

## REFERENCES

- Abadzi, H.; Crouch, L.; Echegaray, M.; Pasco, C. and Sampe, J. (2005) “*Monitoring Basic Skills Acquisition through Rapid Learning Assessments: A Case Study from Peru,*” in *Prospects*, Vol. 35, no. 2. June 2005, pp.137-156. In World Bank Independent Evaluation Group. (2006).
- Abagi, O. and Odipo, G. (1997). Efficiency of primary education in Kenya: Situational analysis and implications for educational reform. Kenya: The Institute of Policy Analysis and Research.
- Aggarwal, Y. (2000). Quality Concerns in Primary Education in India. Where is the Problem? In *Education Commission*, (pp.1-17).
- Alberto, A. e Mahumane, G. (2000). *Avaliação do projecto Ligação Escola Comunidade*. Maputo: Ministério da Educação.
- Almeida, A.M. (1973). *Panorama da Educação em Moçambique 1973*. Lourenço Marques: Secretário Provincial de Educação. Imprensa Nacional de Moçambique.
- Anderson, L.W. (1991). *Increasing teacher effectiveness, fundamentals of educational planning*. Paris: International Institute for Educational Planning - UNESCO.
- Arnold, 1998 in Howie, 2002
- Bacchus, M. (1991). *Improving the quality of basic education through curriculum development and reform. Commonwealth Policy Paper on curriculum reform*. London: Commonwealth Secretariat.
- Balói, O. e Palme, M. (1995). *Vocação ou Exclusão: Um estudo sobre o professor primário recém formado. Caderno de Pesquisa Nº 11*. Maputo: INDE - Ministério da Educação.
- Barnett, R. (1994). *The limits of competence: knowledge, higher education and society Buckingham*. UK: Open University Press.
- Beaton E., Mullis, I., Martin, M., Gonzalez, E., Kelly, D. and Smith T. (1996). *Mathematics achievement in the middle school years: IEA'S Third International Mathematics and Science Study (TIMSS)*. Boston: TIMSS International Study Center Boston College.
- Becker, G.S. (1981). *A treatise on the family*. Cambridge: Harvard University Press.

- Ben-Peretz, M. (1994). Teacher preparation, conception of teaching, evaluation: alternative policies. In Husén, T. and Postlethwaite, T.N. (eds). *The International Encyclopaedia of Education* 2<sup>nd</sup> Edition. Vol. 10 (pp. 6035-6092). Oxford: Pergamon.
- Ben-Peretz, M. (1995). *Curriculum of teacher education programs*. In L. W. Anderson (Ed.), *International encyclopedia of teaching and teacher education* (pp.543–547). Oxford: Elsevier Science/Pergamon.
- Bloom, B.S.; Engelhardt, M.D; Frurst, E.J.; Hill, W.H and Krathworl, D.R. (1956). *Taxonomy of Educational Objectives The classification of educational goals: Handbook I: Cognitive Domain* New York: David McKay.
- Bloom, B.S., Krathwohl, D.R. and Masia, B.B. (1964). *Taxonomy of educational objectives. In The classification of educational goals Handbook II Affective Domain*. New York: David McKay.
- Boehme, D., Chiau, S., Matevele, C. and Otto, H. (1991). *O desperdício Escolar no 1º Grau do Ensino Primário na Cidade de Maputo*. Maputo: INDE - Ministério da Educação.
- Bond, T. and Fox, C. (2007). *Applying the Rasch model: Fundamental Measurement in the human science*. Mahwah, New Jersey: Lawrence Erlbaum.
- Boone, W.J. and Rogan, J.M. (2005). Rigour in quantitative analysis: The promise of Rasch analysis techniques. In *African Journal of Research in SMT Education*, 9(1), (pp.25-38).
- Botha, R. J. and Hite, S. J. (2000). Outcomes-based education and quality: cursory remarks about a possible relationship. In *Educare* 1(29), (pp.129-141).
- Byamugisha, A. and Ssenabulya, F. (2005). *The SACMEQ II project in Uganda: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Carr, M. (2006). Policy report – The determination of student achievements in Ohio's public schools. Education Policy Director. Ohio: Buckeye Institute for Public Policy Solutions.
- Chapman, D.W. and Mählck, L.O. (1997). Changing what happens in schools: Central level initiatives to improve school practice. In Chapman, D.W., Mählck, L.O. and Smulders, A. (eds) *From Planning to Action: Government Initiatives for Improving School Level Practice*. Paris: International Institute for Educational Planning-UNESCO.
- Chatterjee, S., and Hadi, A.S. (2006). *Regression analysis by example*. 4<sup>th</sup> Edition. New Jersey: Wiley and Sons.

- Châu, G. (1996). *The quality of primary schools in different development contexts*. UNESCO: International Institute for Educational Planning.
- Cheng Yin C. and Tsui Kwok T. (1996). Total teacher effectiveness: new conception and improvement in *International Journal of Educational Management* 10(6), (pp.7-17).
- Cheng Yin C. and Tsui Kwok T. (1998). Research on total teacher effectiveness: conception and strategies. In *International Journal of Educational Management* 12(1), (pp.39-47).
- Chimombo, J., Kunje, D., Chimuzu, T., and Mchikoma, C. (2005). *The SACMEQ II Project in Malawi: A Study of the Conditions of Schooling and the Quality of Education*. Harare: SACMEQ.
- Chowdhury, K. (1995). *Literacy and Primary Education*. Available at <http://www.worldbank.org.innopac.up.ac.za/html/extdr/hnp/hddflash/workp/docs/wp00050> (accessed on 19.04.07).
- Christensen, S. L., Rounds, T., and Gorney, D. (1992). Family factors and student achievement: An avenue to increase student success. In *School Psychology Quarterly*. 7, (pp.178-206).
- Cockburn, A.D. (2000). Elementary teachers' needs: issues of retention and recruitment. In *Teaching and Teacher Education*. 16, (pp.223-238). Available at [www.elsevier.com/locate/tate](http://www.elsevier.com/locate/tate) (accessed 07.05.08).
- Creighton, D. C. (1997). Critical literacy in the elementary classroom. In *Language Arts*. 74, (pp.438-448).
- Creswell, J.W. (2002). *Educational research: planning, conducting and evaluating quantitative and qualitative research*. Upper Saddle River, NJ: Pearson.
- Creswell, J.W. (2003). *Research design: Qualitative, quantitative and mixed methods approaches*. 2<sup>nd</sup> Edition. Thousand Oaks: Sage.
- Darling-Hammond, I. (1999). Teacher quality and student achievement: A review of state policy evidence. In *Education policy analysis archives*, 8(1), (pp.1-40).
- Department of Education. (1996). Committee on Teacher Education Policy (COTEP). *Norms and Standards and for Teacher Education*, 3<sup>rd</sup> Edition. Pretoria: Department of Education.
- DoE (1996). See Department of Education (1996).
- Dewey, J. (1938). *Logic: The Theory of Inquiry*. New York: Hold Rinehart and Winston.

- Dimmock, C. (1990). Managing for quality and accountability in Western Australian Education. In *Educational Review*. 42 (2), (pp.197-206).
- Direcção do Ensino Básico. (1996). *Curriculo para os Institutos do Magistério Primário*. Maputo: Ministério da Educação.
- Direcção de Planificação. (2001). *Estatística da Educação Aproveitamento Escolar 2002*. Maputo: Ministério da Educação.
- Dolata, S., Ikeda, M. and Murimba, S. (2004). Different pathways to EFA for different school systems. In *IIEP newsletter*, 22(1), (pp. 8-9).  
<http://www.sacmeq.org/SACMEQ%20II/F/NleJan2004pp8-9.pdf> (accessed 12.05.08).
- Dolata, S. (2003). Different ways of looking at SACMEQ II Pupil Test Scores. Part 1: test score means and variations in test scores. In Murimba, S. and Nzomo, J. *Cross-national results from the SACMEQ II project*. Paris: International Institute for Educational Planning - UNESCO.
- Donaldson, G. (2005). *Improving achievement in mathematics in primary and secondary schools*. HMIE Improving series. Available: <http://www.hmie.gov.uk/documents/publication/iampss.html> (accessed 15.05.09).
- Dunkin, M.J. (1997). *Assessing teacher's effectiveness*. In *Educational Research*. 7(1), (pp.37-51).
- Dustmann, C., Rajah, N. and Soest, A. (1998). *School quality, exam performance, and career choice*. Available <http://arno.ovt.nl/show>. (accessed 09.05.08).
- Dzvimbo, K. P. and Lima, J. C. (1994). *Teacher education and education For All. A study of the middle pedagogical institutes and their potential role in in-service teacher education*. Maputo: Ministry of Education.
- Ehiametalor, E. (1985). Primary school principals' performance in critical administrative task areas. In *The Journal of Negro Education*. 54(4) (Autumn), (pp.566-574).
- Elley, W. B. (1992). *IEA study of reading literacy: How in the World do Students Read?* The Netherlands: The International Association for the Evaluation of Educational Achievement.
- Eraut, M. (1994). *Developing Professional Knowledge and Competence*. Washington D.C.: Falmer Press.

- Etsey, K. (2005). *Causes of Low Academic Performance of Primary School Pupils in the Shama Sub-Metro of Shama Ahanta East Metropolitan Assembly (SAEMA).Ghana*. Regional Conference on Education in West Africa Dakar, Senegal. (pp.1-34). University of Cape Coast, Ghana: Department of Educational Foundations.
- Evans, L. (1997). Understanding teacher morale and job satisfaction. In *Teaching and Teacher Education*. 13(8), (pp.831-845).
- Farrell, J. P. (1989). International Lessons for School Effectiveness: The view from the developing world. In Holmes, M. et al. (Eds.) *Educational Policy for Effective Schools*. Toronto, Ontario: Institute for Studies in Education.
- Fehrler, S., Michaelowa, K., and Wechtler, A. (2006). *The cost-effectiveness of inputs in primary education: insights from recent student surveys for Sub-Saharan Africa*. Available: <http://www.ifw-kiel> (accessed 12.05.08).
- Fraser, H., Draper, J., and Taylor, W. (1998). The quality of teachers' professional lives: Teachers and job satisfaction - Evaluation and research. In *Education*. 12(2), (pp.61-71).
- Fraser, W. J. (2000). Let's revisit competence-based teacher education. In *EDUCARE* 29 (1&2), (pp.50-71).
- Fuentes, L.C. and Nieto, J.M.S. (2005). *Evaluation model for pre-primary education Ministry of Education and Science*. Madrid: National Institute for Evaluation and Quality of the Education System.
- Fuhrman, S.H. (1991). *Designing coherent education policy: Improving the system*. New York: MacMillan.
- Fullan, M. (2001). *The New Meaning of Educational Change* 3<sup>rd</sup> Edition. New York: Teacher College, Columbia University.
- Fullan, M. and Watson N. (1999). *School-based management: Reconceptualizing to improve learning outcomes*. (Final Paper prepared for The World Bank) Ontario Institute for Studies in Education: University of Toronto.
- Fuller, B. and Clarke, P. (1994). Raising school effects while ignoring culture? Local conditions and the influence of classroom tools, rules, and pedagogy. In *Review of Educational Research*. 64(1), (pp.119-157).

- Fuller, B. (1987). What school factors raise achievement in the third world? In *Review of Educational Research*. 57(3), (pp.255-292).
- Fwu, B. and Wang H. (2002). From uniformity to diversification: transformation of teacher education in pursuit of teacher quality in Taiwan from 1949 to 2000. In *International Journal of Education Development*. 22(2), (pp.155-167).
- Garden, R. (ed.) (1997). *Mathematics and Science performance in middle primary school*. Wellington, New Zealand: Research and international Section Ministry of Education.
- Glasman N.S. and Heck R.H. (2003). Principal Evaluation in the United States Academic Publishers. In Kellaghan, T.E. and Stufflebeam, D. L. (eds.) *International handbook of educational evaluation* (pp.643-670). Dordrecht: Kluwer Academi Publishers.
- Gold, B.A. and Miles, M.B. (1981). The Parent and The Community. Whose school is it, anyway? In M. Fullan. *The New Meaning of Educational Change* 3rd Edition. New York: Teacher College, Columbia University.
- Goldstein, H. (1995). *Interpreting international comparisons of student achievement*. Paris: UNESCO.
- Goldstein, H. (2001). Using Pupil Performance Data for Judging Schools and Teachers: Scope and Limitations. In *British Educational Research Journal*. 27(4), (pp.433-442).
- Golias, M. (1991). *Formação de Professores Primários: Balanços e Perspectivas*. Documento apresentado no 1º Seminário das Instituições de Formação de Professores. CRDS – Maputo de 8-13 de Abril. Maputo: Ministério da Educação.
- Gorard, S. and Smit, E. (2004). *An international comparison of equity in education systems*. In *Comparative Education*. 40(1), (pp.15-28).
- Grauwe, A. D. and Varghese, N. V. (2000). Improving School Efficiency issues and priorities Seminar Report. In *Improving School Efficiency: the Asia Experience*. Paris: International Institute for Educational Planning - UNESCO.
- Greaney, V. and Kellaghan, T. (2008). *Assessing National Achievement Levels in Education*. Washington: World Bank.
- Grift, W. and Houtveen, A. (1999). Educational leadership and pupil achievement in primary education. In *School effectiveness and school improvement*. Vol. 4, (pp.373-389).

- Grisay, A., and Griffin, P. (2004). *What's behind the acronyms (IEA, PISA, SACMEQ, TIMSS, etc.)?* IIEP-InWent Policy Forum on "Cross National Studies of Quality of Education: Planning their Results and Managing their Impact" 17-18 June 2004. Paris: International Institute for Educational Planning - UNESCO.
- Gronlund, N.E. (2000). *How to write and use instructional objectives*. (6th edition). New Jersey. Saddle River.
- Grossman, P. L. (1995). *A psychological view of teacher - teachers' knowledge*. In *The International Encyclopaedia of Teaching and Teacher Education*. 2nd Edition. (pp.20-24). Columbia, SC: University of South Carolina.
- Guro, M.Z. (1997). *Os Estudantes dos Centros de Formação dos Professores Primários em Moçambique. Cadernos de Pesquisa n° 29*. Maputo: Ministério da Educação.
- Haegeland, T; Raaum, O; and Salvanes, K. (2005). Pupil achievement, school resources and family background. IZA Discussion Paper No. 1459. Available at SSRN: <http://ssrn.com/abstract=648059> (accessed 15.05.09).
- Hargreaves, A. and Fullan, M. (eds). (1992). *Teacher instruction in Britain and Australia and teacher education in USA and Canada*. New York: Teacher College Press, Columbia University.
- Hargreaves, A. and Fullan, M. (eds). (1992). *Understanding teacher development*. New York: Teacher College Press, Columbia University.
- Hauenstein, A.D. (1998). *A conceptual framework for educational objectives: A holistic approach to traditional taxonomies*. Lanham, MD: University Press of America.
- Heyneman, S.P. and Loxley, W. A. (1983). *The effect of primary-school quality on academic achievement across twenty-nine high-and low-income countries*. In *The American Journal of Sociology*, 88(6) (pp.1162-1194).
- Howie S. (2002). *English language proficiency and contextual factors influencing mathematics achievement of secondary school pupils in South Africa*. Doctoral Thesis: University of Twente, Enschede.
- Howie, S. and Plomp, T. (eds). (2005). Evaluating students' achievements within different contexts. In *Prospects*. XXXV(1). Paris: International Bureau of Education. UNESCO.

- Hughes, P., Chapman, J.A. and Williamson, J.C. (2001). Competencies in the classroom: deconstructing teacher experiences. In *Education Research and Perspectives*. 28(1), (pp.1-24).
- INE (1996) see Instituto Nacional de Estatística. (1996).
- INE (2008) see Instituto Nacional de Estatística. (2008).
- Instituto Nacional de Estatística. (1996). *Projeções actualizadas (1997-2015)*. Maputo: Ministério do Plano.
- Instituto Nacional de Estatística. (2005). *Inquérito à Força do Trabalho (IFTRAB 2004-2005)*. Maputo: Ministério do Plano.
- Instituto Nacional de Estatística. (2008). *Resultados Preliminares do Senso de 2007*. Maputo: Ministério do Plano.
- Kanu, Y. (1996). Educating teachers for the improvement of the quality of basic education in developing countries. In *International Journal of Educational Development*. 16(2), (pp.173-184).
- Keitheile, M. and Mokubung, M. (2005). *The SACMEQ II Project in Botswana: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Kibler, R. J., Cegala, D.J., Barker, L.L. and Miles, D. (1974). *Objectives for instruction and evaluation*. Boston. Allyn and Bacon, Incorporated.
- Kline, P. (2003). *Personality and individual differences*. The handbook of psychological testing. London: Routledge.
- Kotte, D., Lietz, P. and Lopez, M.M. (2005). Factors influencing reading achievement in Germany and Spain: Evidence from PISA 2000. In *International Education Journal*. 6(1), (pp.113-124).
- Kulpoo, D. (1998). *The quality of education: Some policy suggestions based on a survey of schools. SACMEQ Policy Research No.1. Mauritius*. Paris: IIEP.
- Kulpoo, D. and Soonarane, M. (2005). *The SACMEQ II Project in Mauritius: A Study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Langer, J.A. (1995). *Envisioning literature*. Newark, DE: International Reading Association.



- Lee, V., Zuze, T. and Ross, K. (2005). School effectiveness in 14 sub-Saharan African Countries: Links with 6th Graders' Reading Achievement. In *Studies in Educational Evaluation* 31, (pp.207-246).
- Leste, A., Valentin, J. and Hoareau, F. (2005). *The SACMEQ II Project in Seychelles: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Lundberg, I. and Linnakyla, P. (1993). *Teaching Reading Around the World*. Hamburg: The International Association for the Evaluation of Educational Achievement.
- MacDonald, D. (1999). Teacher Attrition: A Review of Literature. In *Teaching and Teacher Education*. 15, (pp.835-848).
- Macnab, D. (2000). *Raising standards in mathematics education: values, vision, and TIMMS*. In *Educational Studies in Mathematics* 42, (pp.61-80).
- Makuwa, D. (2005). *The SACMEQ II Project in Namibia: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Malaty, G. (2006). *What are the reasons behind the success of Finland in PISA? Gazette des Mathématiciens*, 108, (pp.59-66).
- Martin, M., Mullis, I. and Kennedy, A. (2007). PIRLS 2006 Technical report November 2007 Kennedy (Eds.) PIRLS, 2006. [timss.bc.edu/isc/publications.html](http://timss.bc.edu/isc/publications.html)
- Martins, Z. (1992). *Aproveitamento Escolar no Sistema Nacional de Educação - Contribuições para um estudo das disparidades regionais e de sexo com referência ao EPI Cadernos de Pesquisa nº 1*. Maputo: INDE Ministério da Educação.
- MEC (1980) see Ministério da Educação e Cultura. (1980).
- MEC (2006) see Ministério da Educação e Cultura - Direcção de Planificação. (2006).
- Medley, D.M. and Shannon D.M. (1994). Teacher Evaluation In Husén, T. and Postlethwaite, T.N. (eds). *The International Encyclopedia of Education*, 2<sup>nd</sup> Edition. Vol.10, (pp.6015-6020). Oxford: Pergamon.
- Medley, D.M. (1982). Teacher Effectiveness. In Mitzel, H.E. (ed.) *Encyclopaedia of Educational Research*, 5<sup>th</sup> Edition. New York, NY: The Free Press.
- Mendenhall, W. and Sincich, T. (1996). *A second course in statistics regression analysis*, 5<sup>th</sup> Edition. Upper Saddle River, NJ: Prentice-Hall.

- Mendes, M.L.S., Neves, M.M. and Guedes, M. (2000). *The Early Childhood Education and Care Policy in Portugal*. Portugal: Ministry of Education.
- Miguel, M.M. and Barsaga, B.E. (1997). Multi-grade schooling in the Philippines: a strategy for improving access to and quality of primary education – From Planning to Action: Government initiatives for improving school-level practice. Paris: International Institute for Educational Planning - UNESCO.
- MINED, (1998) see Ministry of Education (1998).
- MINED, (2001) see Ministério da Educação - Direcção de Planificação (2001).
- Mingat, A. (2003). Options for a cost-effective allocation for resources. In Verspoor, A. M. (ed.). *The Challenge of Learning: Improving the Quality of Basic Education I Sub-Saharan Africa* (pp.107-137). Document presented at the 2003 ADEA Biennial Meeting Grand Baie, Mauritius, December 3-6, 2003.
- Ministério da Educação e Cultura. (1980). *Projecto de Ligação Escola Comunidade*. Maputo: Ministério da Educação e Cultura.
- Ministério da Educação e Cultura - Direcção de Planificação. (2006). *Estatística da Educação – Levantamento Escolar 2005*. Maputo: Ministério da Educação e Cultura.
- Ministério da Educação - Direcção de Planificação. (2001). *Estatística da Educação – Levantamento Escolar 2000*. Maputo: Ministério da Educação.
- Ministério da Educação - Direcção de Planificação. (2003). *Estatística da Educação – Aproveitamento Escolar 2002*. Maputo: Ministério da Educação.
- Ministério do Plano e Finanças e Direcção Nacional de Estatística Gabinete Central do Recenseamento. (1995). *Moçambique: Panorama Demográfico e Sócio-Económico Série: Inquérito Demográfico Nacional Documento nº 5*. Maputo: Ministério do Plano e Finanças.
- Ministry of Education. (1998). *Education sector strategic plan 1999-2003. “Reviving schools and expanding opportunities”* Maputo: Ministry of Education.
- Ministry of Education. (1996). *Educating our future*. Lusaka, Zambia: Ministry of Education.
- Ministry of Education and Culture. (1993). *Toward Education for All: A development brief for education, culture and training*. Windhoek: Gamsberg Macmillan.

- Ministry of High Education. (2003). Learning-centred education in the Namibian context. A conceptual framework. Namibia: NIED - Ministry of High Education.
- Ministry of High Education, Vocational Training, Science and Technology and Ministry of Basic Education and Culture NIED (1998). *The Basic Education Teacher Diploma (BETD). Broad Curriculum*. Namibia:NIED
- Moloi, M. and Strauss, J. (2005). *The SACMEQ II Project in South Africa: A study of the Conditions of schooling and the quality of education*. Harare: SACMEQ.
- Monk, D.H. and Ibrahim, M.A. (1984). Patterns of Absence and Pupil Achievement. In *American Educational Research Journal*. 21(2) Summer, (pp.295-310).
- Mothibeli, A. and Maema, M. (2005). *The SACMEQ II Project in Lesotho: A study of the Conditions of schooling and the quality of education*. Harare: SACMEQ.
- Mrutu, A., Ponera, G., and Nkumbi, E. (2005). *The SACMEQ II Project in Tanzania: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Mullis, I., Martin, M., Beaton, A., Gonzalez, E., Kelly, D. and Smith, T. (1997). *Mathematics achievement in the primary school years: IEA's Third International Mathematics and Science Study (TIMSS)* .Chestnut Hill, MA: Boston College.
- Mullis, I., Martin, M., Gonzalez, E. and Kennedy, A. (2003). *PIRLS 2001 International Report: IEA's Study of Reading Literacy Achievement in Primary Schools in 35 Countries*. Chestnut Hill, MA: Boston College.
- Mullis, I., Kennedy, A., Martin, M. and Sainsbury, M. (2004). *PIRLS 2006 Assessment Framework and Specifications*. Chestnut Hill, MA: Boston College.
- Murimba, S. (2005). The Southern and Eastern Africa Consortium for Monitoring Educational Quality (SACMEQ): Mission, Approach and Prospects. In *Prospects* 35 (1), (pp.75-89).
- Murimba, S. and Nzomo, J. (2003). *Cross-national results from the SACMEQ II project*. Paris: International Institute for Educational Planning - UNESCO.
- Murphy J. (1993).What's in? What's out? American education in the nineties. In *Phi Delta Kappa*. April, (pp.641-647).
- Myint, S. (1999). Japanese beginning teacher, perception of their preparation and professional development. In *Journal of Education for Teaching*, 25(1), (pp.17-29).

- Nassor, S., Abdallah, M., Said Ali, O. and Salim, M. (2005). *The SACMEQ II Project in Zanzibar: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Norris, N. (1991), *The Trouble with competence*. In *Cambridge Journal of Education* 21 (3), (pp.331-341).
- Onsumu, E., Nzomo, J. and Obiero, C. (2005). *The SACMEQ II Project in Kenya: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Otto, H., Boehme, D. and Schafer, B. (1993). *A prática do processo de ensino-aprendizagem na formação de professores do EPI*. Maputo: INDE - Ministério da Educação.
- Papanastasiou, C. (2000). Internal and external factors affecting achievement in mathematics: some findings from TIMSS. In *Studies in Educational Evaluation*. Pergamon University of Cyprus: Pergamon. Available at [www.elsevier.nl/stueduc](http://www.elsevier.nl/stueduc) (accessed 08.03.08)
- Passos, A. (1995). *Pre-conditions for learning to read and write: a Mozambican case study*. Stockholm University: Institute of International Education.
- Passos, A. (2007). Teacher competence and its effect on pupil performance in Mozambique and other SACMEQ countries – preliminary results Presentation to SACMEQ Assembly of the Ministers International Institute for Educational Planning – UNESCO, Paris
- Passos, A. and Cabral, Z. (1989). *A formação dos professores do Ensino Primário do 1º grau e a sua actuação na escola e na comunidade em Moçambique*. Maputo: INDE - Ministério da Educação.
- Passos, A., Nahara, T., Magaia, F. and Lauchande, C. (2005). *The SACMEQ II Project in Mozambique: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Passos, A., Navesse, A. and Chiau, S. (2000). *Avaliação Magistério Primário*. Maputo: INDE Ministério da Educação.
- Passos, A. and Otto, H. (1992). *As Dificuldades de Aprendizagem de Leitura e Escrita*. Maputo: INDE- Ministério da Educação.
- Pearlman, M.A. and Tannenbaun, R. (2000). *Teacher evaluation practices in the accountability era*. In Kellaghan, T., Stufflebeam, D. L. and Wingate, L.A. (Eds.), *International handbook of educational evaluation* (pp.609-641). Dordrecht: Kluwer Academi Publishers.

- Popham, W.J. (1986). Teacher competency testing: The devil's dilemma. In *Journal of Negro Education*, 55 (3) (pp.379-385).
- Popham, W.J. (1997). What's wrong – what's right – with rubrics. In *Educational Leadership*. 55(2), (pp.72-75).
- Postlethwaite, T.N. and Ross, K. (1992). *Effective schools in reading: implications for educational planners*. Hamburg, Germany: IEA.
- Raudenbush, S., Eamsukkawat, S., Di-Ibor, I., Kamali, M. and Taoklam, W. (1993). On-the-job improvements in teacher competence: policy options and their effects on teaching and learning in Thailand. In *Educational Evaluation and Policy Analysis*. 15(3) Fall, (pp.279-297).
- Raudenbush, S. W. and Willms, J.D. (1995) The estimation of school effects. *Journal of Educational and Behavioral Statistics*, 20 (4), (pp.307-335).
- Reimers, F. (1997). Changing schools through participatory knowledge management in El Salvador: Can education systems learn? *From Planning to Action: Government initiatives for improving school-level practice*. Paris: International Institute for Educational Planning - UNESCO.
- República de Moçambique. (1992). *Boletim da República I Série nº 19*. Maputo: República de Moçambique.
- República Popular de Moçambique. (1985). *Sistema Nacional de Educação Lei*. Maputo: República Popular de Moçambique.
- República Popular de Moçambique. (1983). *Boletim da República. I Série nº 12*. Maputo: República Popular de Moçambique.
- Ross, K., Saito, M., Dolata, S., Ikeda, M. and Zuze, L. (2004). *Data Archive for the SACMEQ I and SACMEQ II Projects*. Paris: International Institute for Educational Planning - UNESCO.
- SACMEQ (2004), see Ross, K., Saito, M., Dolata, S., Ikeda, M. and Zuze, L. (2004). *Data Archive for the SACMEQ I and SACMEQ II Projcets*. Paris: International Institute for Educational Planning – UNESCO.
- Sambo, A. (1999). *O Estado, os Missionários e formação de professores em Moçambique. Um estudo de caso da Escola de Habilitações de Professores de Posto do Alvor, 1960-1976 Cadernos de Pesquisa nº 32*. Maputo: INDE-Ministério da Educação.

- Sander, W.L. and Horn, S.P. (1998). Research findings from the Tennessee Value-Added Assessment System (TVASS) database: Implications for educational evaluation and research. In *Journal of Personnel Evaluation in Education*, 12, (pp.247-256).
- Sedel, C. (2003). Setting the scene. In Verspoor, A. M. (ed.) *The Challenge of Learning: Improving the Quality of Basic Education I Sub-Saharan Africa* (31-51). Document presented at the 2003 ADEA Biennial Meeting Grand Baie, Mauritius, December 3-6, 2003.
- Shabalala, J. (2005). *The SACMEQ II Project in Swaziland: A study of the conditions of schooling and the quality of education*. Harare: SACMEQ.
- Shah, S. (1995). Organization and Curriculum Planning. The International Encyclopaedia of Teaching and Teacher Education -Second Edition (1995) Edited by Lorin W. Anderson - University of South Carolina, Columbia, SC, USA (pp.540-543).
- Short, E.C. (1985). The concept of competence: Its use and misuse in education. In *Journal of Teacher Education*, 36 (2), (pp.2-6).
- Shulman, L.S. (1986). Those Who Understand: Knowledge Growth in Teaching. In *Educational Researcher*, 15(2), (pp.4-14).
- Shuttleworth, I. (1995). The Relationship between Social Deprivation, as Measured by Individual Free School Meal Eligibility, and Educational Attainment at GCSE in Northern Ireland: a Preliminary Investigation. In *British Educational Research Journal*. 21(4), (pp.487-504).
- Sitoe, B. and Ngunga, A. (2000). *Relatório do II Seminário sobre a padronização da ortografia de Línguas Moçambicanas*. Maputo: Nelimo - Centro de Estudos das Línguas Moçambicanas Universidade Eduardo Mondlane.
- Smith, L.I. (2002). A Tutorial on Principal Components Analysis. Available on <http://www.cs.otgo.ac.nz> (accessed on 08.04.08).
- Smith, N.M. (1979). Allocation of time and achievement in elementary social studies. In *Journal of Educational Research*. 72(4), (pp.231-236).
- SNE, (1985) see República Popular de Moçambique. (1985).
- Steyn, G.M. (1999). Professional development: a key to school improvement. In *South Africa Journal of Education*. 19(1), (pp.206-213).

- Stiorer, B. and Maybin, J. (eds). (1994). *Language, literacy and learning in educational practice*. Buckingham, England: Open University Press.
- Stufflebeam, D. (2003). Personnel Evaluation. In *International Handbook of Educational Evaluation*. Part Two: Vol. 9, (pp.603-607). Dordrecht: Kluwer Academic.
- Swarts, P. (2002). *The Policy Formation Process in Namibia from 1990-2002: The Case of Teacher Education*. Namibia: NIED.
- Summers, A. and Wolfe, B. (1977). Do schools make a difference? In *American Economic Review*, 67(4), (pp.639-652).
- Tauber, R.T. (1992). Recognizing Teacher Expertise. In *NASSP Bulletin* 76(540), (pp.96-102).
- Teaching and Educational Development Institute (2002). TEDI conference: *How to Assess Graduate Attributes?* The University of Queensland Australia. available at [www.tedi.uq.edu.au/conferences/teach](http://www.tedi.uq.edu.au/conferences/teach) accessed (09.05.09).
- Thorndike, R. (1973). *Reading comprehension education in fifteen countries*. New York: Halsted Press.
- Tomlinson, P. (1995). Can Competence Profiling Work for Effective Teacher Preparation? Part I: general issues – *Oxford Review of Education*, Vol. 21 N° 2, (pp.179-194).
- Tomlinson, P. (1995). Can Competence Profiling Work for Effective Teacher Preparation? Part II: pitfalls and principles. In *Oxford Review of Education*, 21(2), (pp.299-325).
- UNESCO (1973). *O Ensino de Leitura vol.I* Editora Estampa Lta. Lisboa Portugal. Vol.I 224.
- UNESCO (1989). Convention on the right of the child <http://portal.unesco.org/> accessed 09.05.08).
- UNESCO - *Education for All (EFA) (2005). Global Monitoring Report*. Paris: UNESCO Available at <http://portal.unesco.org> (accessed 09.05.08).
- UNESCO Institute for Statistics (2008). *A View Inside Primary Schools. A World Education Indicator (WEI) cross-national study*. Montreal: UNESCO Institute for Statistics.
- Verspoor, A. M. (ed.) (2003). *The Challenge of Learning: Improving the Quality of Basic Education I Sub-Saharan Africa*. Document presented at the 2003 ADEA Biennial Meeting Grand Baie, Mauritius, December 3-6, 2003.

- Vlaardingerbroek, B. and Taylor, T.G.N. (2003). Teacher education variables as correlates of primary science ratings in thirteen TIMSS systems. In *International Journal of Educational Development*. 23 (pp.429-438).
- Warham, S. (1993). Reflections on Hegemony: Towards a model of teacher competence. In *Educational Studies*. 19(2), (pp.205-217).
- Westera, W. (2001). Competences in Education: a confusion of tongues. In *Journal of Curriculum Studies*. 33(1), (pp.75-88).
- Windham, J.P. (1997). Incentives for student learning achievement: incentives analysis and individual decision making in the planning of education. Paris: International Institute for Educational Planning - UNESCO.
- Woodhouse, G. and Goldstein, H. (1988). Educational performance indicators and LEA League tables. In *Oxford Review of Education*. 14(3), (pp.301-320).
- World Bank Independent Evaluation Group. (2006). *From Schooling Access to Learning Outcomes: An Unfinished Agenda. An Evaluation of World Bank Support to Primary Education*. Available at [www.worldbank.org/ieg/education](http://www.worldbank.org/ieg/education) (accessed on 09.05.08)
- Wyk, N. (2001). Preparing South African educators for school-family-community partnerships. In *Educare* 30 (1&2), (pp.115-139).
- Wylie, C. (1997). At the centre of the web: The Role of the New Zealand primary school principal within a decentralized education system. Wellington: New Zealand. Available on [www.nzcer.org.nz](http://www.nzcer.org.nz) (accessed on 03.12.2008).
- Zhang, Y. (2006). Urban-rural literacy gaps in Sub-Saharan Africa: The roles of socioeconomic status and school quality. In *Comparative Education Review*. 50(4), (pp.581-602).



## APPENDIX 1

### SPECIFIC RESEARCH QUESTIONS AND DUMMY TABLES

#### PUPILS

##### Cognitive (Content knowledge) Tests (Mathematic and Reading)

##### Pre-existing Students Characteristics (Antecedents)

**What were the personal characteristics (for example, age and gender) and home background characteristics (for example, parent education, regularity of meals, home language, etc.) of Grade 6 pupils that might have implications for monitoring equity, and/or that might impact upon teaching and learning?**

##### Specific Research Questions

- What was the age distribution of pupils?  
Questionnaire: SI: P2; SII: P2  
Dummy Table: 3.1(a), 3.1(b)
- What was the gender distribution of pupils?  
Questionnaire: SI: P3 ; SII: P3  
Dummy Table: 3.1(a), 3.1(b)
- What was the level of the parents' education?  
Questionnaire: SI: P9, P10; SII: P11, P12  
Dummy Table: 3.1(a), 3.1(b), 11.17(a), 11.17(b)
- How regularly did pupils eat meals?  
Questionnaire: SI: P18; SII: P10  
Dummy Table: 3.1(a), 3.1(b)
- How many books were there in pupils' homes?  
Questionnaire: SI: P6; SII: P6  
Dummy Table: 3.1(a), 3.1(b)
- What other reading materials and electronic media did pupils have at home?  
Questionnaire: SI: P8.01, P8.02, P8.03, P8.04, P8.05, P8.06, P8.07 ; SII: P7.01, P7.02, P7.03, P7.04, P7.05, P07.06, P7.07  
Dummy Table: 3.1(a), 3.1(b)

## APPENDIX 47

### PERCENTAGE OF PUPILS, MEANS SCORES AND ATTAINED MATHEMATICS ON THE COMBINED CATEGORY COMPETENCE LEVELS BY GENDER, SES AND SCHOOL LOCATION OF MOZAMBICAN MATHEMATICS PUPILS

Category level										
Sub-groups	Mean		1		2		3		4	
	Mean	SE	%		%		%		%	
<b>Gender</b>										
Boys	537.0	2.09	50.2		47.6		2.4		0.0	
Girls	519.5	2.80	61.5		37.6		1		0.0	
<b>Socio Economic Status</b>										
Low SES	527.5	2.25	56.8		41.6		1.5		0.0	
Higher SES	532.6	2.66	52.5		45.5		2		0.0	
<b>School Location</b>										
Isolated /Rural	524.0	6.32	60.6		37.3		2.1		0.0	
Small Town	527.5	2.70	56.7		41.8		1.6		0.0	
Large City	536.7	3.26	48.3		50.1		1.5		0.0	
<b>Mozambique</b>	<b>530.0</b>	<b>2.08</b>	<b>54.7</b>		<b>43.0</b>		<b>1.8</b>		<b>0.0</b>	

Source: SACMEQ database, 2004.

**APPENDIX 48**

**MEANS AND SAMPLING ERROR OF PUPIL PERFORMANCE IN  
MATHEMATICS OF REGIONAL PUPILS BY GENDER**

School System	Gender			
	Mathematics			
	Boys		Girls	
	Mean	SE	Mean	SE
<b>BOT</b>	508.2	3.30	517.4	3.51
<b>KEN</b>	574.2	5.50	552.4	4.81
<b>LES</b>	445.7	3.55	448.3	3.44
<b>MAL</b>	437.7	2.85	427.7	2.35
<b>MAU</b>	579.3	6.83	590.2	6.82
<b>MOZ</b>	537.0	2.09	519.5	2.80
<b>NAM</b>	433.3	3.46	428.6	2.93
<b>SEY</b>	535.5	3.75	573.1	3.85
<b>SOU</b>	482.1	6.74	489.8	8.03
<b>SWA</b>	518.9	3.31	514.3	3.97
<b>TAN</b>	539.6	5.65	506.7	3.98
<b>UGA</b>	508.1	7.62	504.0	11.46
<b>ZAM</b>	440.2	4.21	430.0	3.49
<b>ZAN</b>	485.3	2.04	471.4	1.86
<b>SAC</b>	<b>501.7</b>		<b>498.1</b>	

Source: SACMEQ database, 2004.

## APPENDIX 49

### PERCENTAGE OF MATHEMATICS PUPILS RESULTS BY GENDER ON THE COMBINED MATHEMATICS COMPETENCE LEVEL

Sch.	Category level Gender															
	Boys								Girls							
	1		2		3		4		1		2		3		4	
Syst.	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	66.3		28.6		4.9		0.1		66.3		31		5.2		0.3	
<b>KEN</b>	37.4		44.1		16.6		1.8		45.2		43.3		10.8		0.7	
<b>LES</b>	92.8		6.7		0.4		0		92.5		7		0.6		0	
<b>MAL</b>	97.1		3		0		0		98.5		1.4		0		0	
<b>MAU</b>	45.2		26.6		20.8		7.3		39.4		31.4		22.6		6.7	
<b>MOZ</b>	50.2		47.6		2.4		0		61.5		37.6		1		0	
<b>NAM</b>	90.6		6		3.3		0.1		92.2		5.2		2.4		0.2	
<b>SEY</b>	56.1		29		13.6		1.4		37.4		38		23.1		1.6	
<b>SOU</b>	77.9		13.4		7.6		1.1		74.5		16.1		8		1.4	
<b>SWA</b>	65.6		31		3.1		0.2		67.1		29.7		2.9		0.3	
<b>TAN</b>	52.5		34.9		11.9		0.7		67.7		28.1		4.1		0.1	
<b>UGA</b>	70.4		19.8		9		0.8		70.5		16.5		12.7		0.3	
<b>ZAM</b>	91.2		8.4		0.4		0		94.1		5.1		0.6		0.1	
<b>ZAN</b>	82		16.8		1.1		0		88.1		10.8		1.1		0	
<b>SAC</b>	<b>69.6</b>		<b>22.5</b>		<b>6.7</b>		<b>0.9</b>		<b>71.0</b>		<b>21.5</b>		<b>6.7</b>		<b>0.8</b>	

Source: SACMEQ database, 2004.

## APPENDIX 50

### MEANS AND SAMPLING ERROR OF PUPIL PERFORMANCE IN MATHEMATICS BY SOCIO-ECONOMIC STATUS

School System	Socio Economic Status			
	Mathematics			
	Low SES		High SES	
	Mean	SE	Mean	SE
<b>BOT</b>	498.9	2.83	529.8	5.09
<b>KEN</b>	546.9	4.35	587.1	6.79
<b>LES</b>	448.6	3.83	444.9	3.65
<b>MAL</b>	428.2	2.64	442.2	2.97
<b>MAU</b>	550.0	5.66	607.7	7.83
<b>MOZ</b>	527.5	2.25	532.6	2.66
<b>NAM</b>	408.7	1.62	461.3	5.94
<b>SEY</b>	532.4	4.16	567.8	3.46
<b>SOU</b>	446.8	3.97	524.3	11.03
<b>SWA</b>	511.3	3.03	522.2	5.16
<b>TAN</b>	509.0	3.96	545.5	6.77
<b>UGA</b>	496.3	9.21	519.2	10.52
<b>ZAM</b>	425.5	4.51	444.8	4.80
<b>ZAN</b>	474.0	1.58	483.9	2.31
<b>SAC</b>	<b>486.0</b>		<b>515.2</b>	

Source: SACMEQ database, 2004.

**APPENDIX 51**

**PERCENTAGE OF MATHEMATICS PUPILS RESULTS BY SOCIO-ECONOMIC STATUS ON THE COMBINED MATHEMATICS COMPETENCE LEVEL**

Sch. Syst.	Mathematics Socio Economic Status															
	Low SES								Higher SES							
	1		2		3		4		1		2		3		4	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	70.5		27		2.4		0		58.3		33.1		8.1		0.5	
<b>KEN</b>	48		42.6		9		0.4		31.7		45.4		20.5		2.5	
<b>LES</b>	92.4		7.2		0.4		0		93		6.4		0.6		0	
<b>MAL</b>	98.4		1.6		0		0		96.5		3.6		0		0	
<b>MAU</b>	51		30.6		14.8		3.6		36.7		27.7		26.2		9.4	
<b>MOZ</b>	56.8		41.6		1.5		0		52.5		45.5		2		0	
<b>NAM</b>	98.4		1.4		0.1		0		82		11.3		6.4		0.3	
<b>SEY</b>	53.1		34.2		12		0.7		42.7		33		22.3		2	
<b>SOU</b>	91.1		7.7		1.2		0		61.3		21.8		14.3		2.5	
<b>SWA</b>	69.2		28.5		2.3		0		63.2		32.5		3.9		0.5	
<b>TAN</b>	66.4		27.9		5.5		0.2		50.2		37.3		11.8		0.7	
<b>UGA</b>	74.5		16.3		8.4		0.7		65.2		20.9		13.4		0.5	
<b>ZAM</b>	95.5		4.4		0.1		0		90		9.1		0.9		0.1	
<b>ZAN</b>	86.4		12.3		1.2		0		83.3		15.6		0.9		0	
<b>SAC</b>	<b>75.1</b>		<b>20.2</b>		<b>4.2</b>		<b>0.4</b>		<b>64.7</b>		<b>24.5</b>		<b>9.3</b>		<b>1.3</b>	

Source: SACMEQ database, 2004.

**APPENDIX 52**

**MEANS AND SAMPLING ERROR OF PUPILS' PERFORMANCE IN READING  
AND MATHEMATICS BY SCHOOL LOCATION**

Sch Syst	School location					
	Isolated/Rural		Mathematics		Large Town	
	Mean	SE	Mean	SE	Mean	SE
<b>BOT</b>	500.5	3.77	517.4	6.23	530.6	7.32
<b>KEN</b>	552.5	5.46	572.3	9.21	603.0	15.19
<b>LES</b>	436.8	2.95	456.7	4.85	482.2	15.39
<b>MAL</b>	429.1	2.83	434.0	4.95	451.2	6.02
<b>MAU</b>	577.6	6.83	584.2	20.83	593.5	12.40
<b>MOZ</b>	524.0	6.32	527.5	2.70	536.7	3.26
<b>NAM</b>	404.7	1.75	448.7	9.13	507.6	11.89
<b>SEY</b>	549.2	6.78	547.0	4.05	566.1	4.16
<b>SOU</b>	436.6	4.20	472.4	10.61	571.3	15.47
<b>SWA</b>	510.9	3.43	528.3	6.79	531.1	13.29
<b>TAN</b>	508.7	3.74	554.0	9.84	559.4	12.41
<b>UGA</b>	498.5	8.70	544.4	26.15	508.6	21.90
<b>ZAM</b>	418.3	2.84	439.2	4.26	456.7	7.29
<b>ZAN</b>	477.3	1.39	482.5	3.88	477.0	2.89
<b>SAC</b>	<b>487.4</b>		<b>507.7</b>		<b>526.7</b>	



**APPENDIX 53**

**PERCENTAGE OF MATHEMATICS PUPILS RESULTS BY SCHOOL  
LOCATION ON THE COMBINED MATHEMATICS COMPETENCE LEVEL**

Sch. Syst.	Mathematics School location															
	Isolated/Rural								Large Town							
	1		2		3		4		1		2		3		4	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	70.3		26.5		3.2		0		57.8		34		7.6		0.6	
<b>KEN</b>	46.3		42.1		10.9		0.8		26.3		45		23.5		5.2	
<b>LES</b>	96		3.7		0.4		0		77		21.3		1.9		0	
<b>MAL</b>	98.4		1.6		0		0		94		6		0		0	
<b>MAU</b>	43.2		31.2		20.5		5		40.7		26.7		23.6		9.1	
<b>MOZ</b>	60.6		37.3		2.1		0		48.3		50.1		1.5		0	
<b>NAM</b>	99.1		0.8		0		0		68.2		19.4		11.9		0.6	
<b>SEY</b>	49.2		33.3		15.1		2.4		40.4		37.5		20.7		1.5	
<b>SOU</b>	94.1		5.6		0.4		0		43.5		29.7		22.8		4	
<b>SWA</b>	69.7		27.9		2.3		0		58.3		34.6		5.9		1.3	
<b>TAN</b>	66.9		27.3		5.5		0.3		39.8		44.5		14.7		1	
<b>UGA</b>	72.9		16.9		9.8		0.4		62.9		31.7		5.4		0	
<b>ZAM</b>	97.1		2.7		0.1		0		87		11.8		1.1		0.1	
<b>ZAN</b>	84.6		13.7		1.6		0		86.6		12.8		0.6		0	
<b>SAC</b>	<b>74.8</b>		<b>19.3</b>		<b>5.1</b>		<b>0.6</b>		<b>59.3</b>		<b>28.9</b>		<b>10.0</b>		<b>1.6</b>	

Source: SACMEQ database, 2004



## APPENDIX 54

### READING AND MATHEMATICS NUMBER OF ITEMS

READING NUMBER OF ITEMS (Overview)								
	DOMAINS	LEVELS	PUPILS		LAYERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	TEACHERS		School heads competence	School heads performance
					Teacher competence	Teacher performance		
Research Questions 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Provincial National Regional		RATOTP	RATOTT 4, 35	4,16	3	
	<b>Affective</b> (Attitude, self concept, motivation)	Provincial National Regional			25.10 25.13 25.16	25. 1 - 9 25. 11 - 12 25. 14 - 15 26		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Provincial National Regional	16,17	4,	6, 16,17,37	18,31,32,33,36,38,	6,9,10,	28,30,33
	<b>Constructs</b>							
	<b>Teacher training</b> (Pre- and in service training)	Provincial National Regional			5,9	17	4,5,	
	<b>Teacher characteristics</b> (Sex, age, social status and professional training)	Provincial National Regional				1,2,3,27,29,30		1,2
	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Provincial National Regional	31,32,					13,18,20,21,22,36,37,38,39
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Provincial National Regional	20, 21,22,23,33,34,35			1,10,11,12,13,14,15		7,8
	<b>Pre-existing pupils characteristics</b> (Sex, age, socio-economic status, background)	Provincial National Regional	2,3,5,6,10,11,12 18,19					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Provincial National Regional	24,25,26,28,30			34		40,41

## READING

READING NUMBER OF ITEMS								
	DOMAINS	LE-VELS	LAYERS					
			PUPILS		TEACHERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance
R.Q 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Prov. Nat. Reg.		ratotp	ratott  4-xqacad 35 – trgoal 01 ...trgoal 07	16 - stchprim/ stchseco/ stchtert  4 - zstchaca	3 - sqacadem	
	<b>Affective</b> (Attitude, self concept, motiv)	Prov. Nat. Reg.			25- zxsatis 10 25-zxsatis13 25-zxsatis16	25- zxsatis01.. zxsatis 09 25- zxsatis11. .. zxsatis12 25- zxsatis14. .. zxsatis15		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Prov. Nat. Reg.	16-pabsent 17- zpabwhy1,3,6. ....zpabwhy4	4 zpenglis	6 - xexper 16 - xoutwork 17 - zxmeetpar 37 - trappr 01 . . . trappr 06	18 – xmeeusua 31 - ztrepeng 32 - tract 01...tract08 33 - tractmos 36 - (35) trgoalmo 38 -ztestre	6 - sexptch 9 - sexpthis 10 - sexpall	28- zsacthd 01.. zsacthd 06 30 - zsschac01 ..sschact 05 33 – slost
<b>CONSTRUCTS</b>								
	<b>Teacher training</b> (Pre- and in service training)	Prov. Nat. Reg.			5-zxqprof 9-zxinserve	17 - stchnott/ stchshor/ stch1yr/ stch2yr/ stch3yr/ stchmore	4 - sqtt 5 - sqspec/ sqspecwk	
	<b>Teacher characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.				1- xclass 2-zxsex 3-zxagelvl 27 - zxhpos 13 29- zxlight 30- zxcondli		1 - zsex 2 - zsagelvl

		Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance	
R.Q 1&2	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Prov. Nat. Reg.	31-pexteng/ pextoth 32-pextpay					13 - zdist 14 – zsloc (0) zslocati (1) zspratri bigshift (z) 18 - spuggir 20- sclass 21 - sclass6 22 - zssessnu 36 - zsbldgco 37 - zstoitot 38 - zsrto2 22 39 – sborrow
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Prov. Nat. Reg.	20-zpborrow 21- zpmat01.....zpmat07 22-zpsit 23-zpwrite 33- zphmwkr 34-zphmwkrc 35-zptextr			1-xclsize 10-zxycbks 11- zxcifurn 12-zxcclres 8 13-zxaccess 1..z.xaccess 5 14-xperiods 15-xminutes		7 - speriods 8 - sminutes
R.Q 1&2	<b>Pre-existing pupils characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.	1-pclass 2-zpagemon 3-zpsex 5-pstay 6-zpbooksh 10- pmeal1...pmeal3 11 - pzses 18-zprepeat 19-prepeat6					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Prov Nat. Reg.	24- zphmwkdn 25-phmwkhlp 26-pread 28-pquestr 30-plookwk			34 – ztsigneng		40 –zscomm 01 ..... zscomm 14  41 – sprocom

## MATHEMATICS

READING and MATHEMATICS								
NUMBER OF ITEMS (Overview)								
	DOMAINS	LEVELS	LAYERS					
			PUPILS		TEACHERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance
Research Questions 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Provincial National Regional		MATOTP	MATOTT 4, 43		3	
	<b>Affective</b> (Attitude, self concept, motivation)	Provincial National Regional			25.10 25.13 25.16	25. 1 - 9 25. 11 - 12 25. 14 - 15 26		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Provincial National Regional	16,17	4,	6, 16,17,37, 45,	18, 39,40,41,44, 46	6,9,10,	28,29,30,33
	<b>Teacher training</b> (Pre- and in service training)	Provincial National Regional			5,7,8,9		4,5,	
	<b>Teacher characteristics</b> (Sex, age, social status and professional training)	Provincial National Regional				1,2,3,27,28,29,30		1,2
	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Provincial National Regional	31,32,					,13,14,18,19,20,21,22 ,36, 37,38,39
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Provincial National Regional	20, 21,22,23, 36, 37,38			1,10,11,12,13,14, 15		7,8
	<b>Pre-existing pupils characteristics</b> (Sex, age, socio-economic status, background)	Provincial National Regional	1,2,3,5,6,7,8,9, 10,11,12,13,14, 15,18,19					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Provincial National Regional	24,25,27,29,30			34, 42		40,41

## MATHEMATICS

MATHEMATICS NUMBER OF ITEMS								
	DOMAINS	LE-VELS	LAYERS					
			PUPILS		TEACHERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance
R.Q 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Prov. Nat. Reg.		matotp	matott  4- yqacad 43 – tmgoal 01... tmgoal 07	16 - stchprim/ stchseco/ stchtert  4 - zstchaca	3 - sqacadem	
	<b>Affective</b> (Attitude, self concept, motivation)	Prov. Nat. Reg.			25- zysatis10 25- zysatis13 25- zysatis16	25- zysatis 01.. zysatis 09 25- zysatis11...zysatis12 25-/ zysatis14. .. zysatis15		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Prov. Nat. Reg.	16-pabsent 17- zpabwhy1,3,6. ....zpabwhy4	4 penglish	6 - yexper 16 - youtwork 17 - zymeetpar 45 - tmappr 01.. .. tmappr10	18 – xmeeusua 39 - ztrepmath 40 - tmact 01..tmact 08 41 - tmactmos 44 - (43) tmgoalmo 46 - zttestmat	6 - sexptch 9 - sexpthis 10 - sexpall	28- zsacthd 01..zsacthd 06 30 - zsschact01 .. zsschact 05 33 – slost
	<b>Constructs</b>							
	<b>Teacher training</b> (Pre- and in service training)	Prov. Nat. Reg.			5- zyqprof 9- zyinserve	stchnott/ stchshor/ stch1yr/ stch2yr/ stch3yr/ stchmore	4 - sqtt 5 - sqspec/ sqspecwk	
	<b>Teacher characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.				1- yclass 2- zysex 3- zyagelvl 27- zyhpos 13 29- zylight 30-zycondli		1 - zssex 2 – zsagelvl

		Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance	
R.Q 1&2	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Prov. Nat. Reg.	31- pextmat/ pextoth 32-pextpay					13 - zdist 14 – sloc zslocati zsprati bigshift 18 - spugir 20 - sclass 21 - sclass6 22 - zssessnu 36 - zsldgco 37 - zstoitot 38 – zsrtot 22 39 - sborrow
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Prov. Nat. Reg.	20-zpborrow 21- zpmat01.....pmat0 8 22-zpsit 23-zpwrite 36-zphmwkm 37-zphmwkmc 38-zptextm			1- yclsize 10- zyclbks 11- zyclfurn 12- zyclres 13-yaccess1...yaccess 5 14- yperiods 15- yminutes		7 - speriods 8 - sminutes
R.Q 1&2	<b>Pre-existing pupils characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.	1-pclass 2-zpagemon 3-zpsex 5-pstay 6-zpbooksh 10-pmeal1 ... pmeal3 11 - pses 18 - zprepeat 19-prepeat6					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Prov Nat. Reg.	24 -zphmwkdn 25-phmwkhlp 27-pcalc 29-pquestm 30-plookwk			42 - tsignmat		40 – zscomm 01 ..... zscomm 14  41 - sprocom



APPENDIX 55

MOZAMBIQUE OVERVIEW CORRELATION - READING

Variables	Domain/ construct	Description	Pearson Cor	Sig
zxsat01	A	R:/ reading teacher satisfaction-distance	0.097	0.203930
zxsat03	A	R:/ reading teacher satisfaction-school building quality	-0.004	0.957
zxsat04	A	R:/ reading teacher satisfaction-teacher house availability	0.135	0.077
zxsat05	A	R:/ reading teacher satisfaction-teacher house quality	0.081	0.287
zxsat07	A	R:/ reading teacher satisfaction-classroom furniture quality	0.043	0.575
zxsat08	A	R:/ reading teacher satisfaction-level of salary	0.083	0.278
zxsat10	A	R:/ reading teacher satisfaction-pupil learn	-0.001	0.992
zxsat12	A	R:/ reading teacher satisfaction-school management quality	0.067	0.378
zxsat13	A	R:/ reading teacher satisfaction-staff relationship	0.083	0.280
zxsat14	A	R:/ reading teacher satisfaction-community relationship	-0.027	0.729
zxsat15	A	R:/ reading teacher satisfaction-promotion opportunity	0.105	0.171
zxsat16	A	R:/ reading teacher satisfaction-further study	0.035	0.648
fxtrappr	B	Teacher reading approach	-0.142	0.062
fxzsacthd	B	School head activities (factor)	0.219	<b>0.004</b>
fxtrac	B	Reading teacher activities (factor)	0.025	0.741
fxzsschac	B	School activities (factor)	-0.080	0.300
pabsent	B	P/Days absent	-0.076	0.317
sexpall	B	S/Sh Altogether	0.006	0.942
sexptch	B	S/Years teaching	0.154	<b>0.046</b>
sexpthis	B	S/Sh this school	0.076	0.325
slost	B	S/Lost days	0.019	0.808
xexper	B	T/Years of Teaching	0.085	0.268
xmeeusua	B	T/Pup's parents meet/year	0.082	0.283
xoutwork	B	T/Hours outside	-0.031	0.690
zpbwhy2	B	R:/ reason absent-ill	-0.143	0.058
zpbwhy3	B	R:/ reason absent-family	0.034	0.652
zpbwhy4	B	R:/ reason absent-work	-0.326	<b>0.000</b>
zpbwhy6	B	R:/ reason absent-fee not paid	-0.127	0.094
zpenglis	B	R:/ speaking English at home	0.428	<b>0.000</b>
ztrepeng	B	R:/ reading teacher reporting comments on English	-0.153	<b>0.045</b>
zxmeet	B	R:/ reading teacher frequency meeting parents	0.021	0.780
fxtrgoal	C	Reading goals (factor)	-0.114	0.135
matotp	C	SCR:/ Pupil math-all total raw score	0.778	<b>0.000</b>
ratott	C	SCR:/ teacher reading-all total raw score	0.201	<b>0.008</b>
sborrow	C	S/Pupils Can Borrow Books	-0.011	0.891
sqacadem	C	S/Qualification-academic	0.175	<b>0.023</b>
stchprim	C	S/Teachers (primary only)	0.143	0.064
stchseco	C	S/Teachers (secondary)	0.168	<b>0.029</b>
stchtert	C	S/Teachers (tertiary)	0.139	0.072
zstchaca	C	D:/ ratio teachers having tertiary academic education	-0.171	<b>0.027</b>
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.273	<b>0.000</b>
pexteng	ETC	P/Extra tuition-subject	-0.321	<b>0.000</b>
pextoth	ETC	P/Extra tuition-subject	-0.213	<b>0.005</b>
sclass	ETC	S/# of classes	0.307	<b>0.000</b>
sclass6	ETC	S/# of classes G6	0.239	<b>0.002</b>
zpextpay	ETC	R:/ paying for extra tuitions	-0.158	<b>0.037</b>
zsbldgco	ETC	R:/ school building condition	-0.085	0.275
zslocati	ETC	R:/ school location	0.279	<b>0.000</b>
zsprati	ETC	D:/ pupils-teacher ratio	-0.032	0.683
zspupgir	ETC	D:/ ratio girls	0.233	<b>0.002</b>
zsrrot22	ETC	D:/ total school resources [max=22]	0.185	<b>0.017</b>
zssessnu	ETC	D:/ the number of shifts	0.131	0.091
zstoitot	ETC	D:/ the number of toilets	0.065	0.405
fx1zpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.241	<b>0.001</b>
fx1zxaccess	ITC	Teachers' access to material	-0.075	0.330
fx2zpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.072	0.342
fx2zxaccess	ITC	Teachers' access to material	-0.095	0.213
sminutes	ITC	S/Minutes/periods	-0.266	<b>0.001</b>
speriods	ITC	S/# Periods	-0.253	<b>0.001</b>
xclsizs	ITC	D:/Reading class size	-0.072	0.342
xminutes	ITC	T/Minutes/lesson	-0.099	0.193



xperiods	ITC	T/Periods/week	0.013	0.861
zpborrow	ITC	R:/ borrow books	-0.166	<b>0.033</b>
zphmwkr	ITC	R:/ being given reading homework	-0.021	0.780
zphmwkrc	ITC	R:/ being corrected reading homework	0.005	0.947
zpsit	ITC	R:/ sitting place	0.116	0.126
zptextr	ITC	R:/ sharing/owning reading textbooks	0.154	<b>0.041</b>
zpwite	ITC	R:/ writing place	0.157	<b>0.038</b>
zxclfum	ITC	D:/ reading teacher total class furniture [max=5]	-0.019	0.811
zxclres8	ITC	D:/ reading teacher total class resources [max=8]	-0.054	0.486
zxclybks	ITC	D:/ the number of classroom books	-0.125	0.110
pmeal1	PEPC	P/Morning meal	-0.065	0.388
pmeal2	PEPC	P/Lunch	-0.031	0.681
pmeal3	PEPC	P/Evening meal	0.129	0.089
prepeat6	PEPC	P/Repeating G6	0.099	0.192
pstay	PEPC	P/Place to stay	-0.247	<b>0.001</b>
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.270	<b>0.000</b>
zpboksh	PEPC	D:/ the number of books at home	0.051	0.504
zprepeat	PEPC	R:/ grade repetition	0.259	<b>0.001</b>
zpses	PEPC	D:/ pupil's SES	0.368	<b>0.000</b>
zpssex	PEPC	R:/ pupil sex	0.200	<b>0.008</b>
fx2zscmm	PSI	Community involvment	-0.099	0.201
phmwkhlp	PSI	P/Homework-help	-0.044	0.558
sprobcom	PSI	S/Community problems	-0.144	0.062
zphmwkdn	PSI	R:/ homework-make sure	0.044	0.565
zplookwk	PSI	R:/ being looked at the school work	-0.076	0.313
zquestr	PSI	R:/ being asked questions about any subject	-0.264	<b>0.000</b>
zpread	PSI	R:/ being asked to read	-0.186	<b>0.014</b>
ztsignen	PSI	R:/ reading teacher asking parents to sign	-0.008	0.916
zsagelvl	TC	R:/ school head age level	0.133	0.088
zssex	TC	R:/ school head sex	0.168	<b>0.031</b>
zxagelvl	TC	D:/ reading teacher age level	0.141	0.064
zxcondli	TC	R:/ reading teacher home condition	-0.098	0.200
zxhpos13	TC	D:/ reading teacher total possessions at home [max=13]	0.181	<b>0.017</b>
zxlight	TC	R:/ reading teacher source of lighting	0.322	<b>0.000</b>
zxsex	TC	R:/ reading teacher sex	0.133	0.082
sqssec	TT	S/Qualification-Special T	0.170	<b>0.028</b>
sqssecwk	TT	S/# Weeks special Trg	0.028	0.832
stch1yr	TT	S/Teachers (1 Yr)	0.141	0.068
stch2yr	TT	S/Teachers (2 Yr)	0.237	<b>0.002</b>
stch3yr	TT	S/Teachers (3 Yr)	0.148	0.056
stchmore	TT	S/Teachers (more)	0.183	<b>0.017</b>
stchnott	TT	S/Teachers (no Tt)	-0.194	<b>0.012</b>
stchshor	TT	S/Teachers (short)	0.220	<b>0.004</b>
zsqtt	TT	R:/ school head teacher training	-0.056	0.468
zxinserv	TT	R:/ reading teacher inservice training effectiveness	0.105	0.347
zxqprof	TT	D:/ reading teacher teacher training	0.124	0.103





APPENDIX 55

MOZAMBIQUE OVERVIEW CORRELATION - MATHEMATICS

Variables	Domain/ construct	Description	Pearson Cor	Sig.
zysat01	A	R:/ math teacher satisfaction-distance	-0.070	0.364
zysat03	A	R:/ math teacher satisfaction-school building quality	-0.218	<b>0.004</b>
zysat04	A	R:/ math teacher satisfaction-teacher house availability	-0.035	0.654
zysat05	A	R:/ math teacher satisfaction-teacher house quality	-0.124	0.106
zysat07	A	R:/ math teacher satisfaction-classroom furniture quality	0.023	0.769
zysat08	A	R:/ math teacher satisfaction-level of salary	0.002	0.977
zysat10	A	R:/ math teacher satisfaction-pupil learn	-0.031	0.692
zysat12	A	R:/ math teacher satisfaction-school management quality	-0.140	0.067
zysat13	A	R:/ math teacher satisfaction-staff relationship	-0.147	0.056
zysat14	A	R:/ math teacher satisfaction-community relationship	-0.051	0.505
zysat15	A	R:/ math teacher satisfaction-promotion opportunity	-0.039	0.616
zysat16	A	R:/ math teacher satisfaction-further study	0.001	0.985
fy1tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.054	0.483
fy1tmappr	B	Teacher math approach	0.066	0.389
fy1zsacthd	B	School head activities	0.255	<b>0.001</b>
fy2tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.047	0.539
fy2tmappr	B	Teacher math approach	-0.126	0.100
fy2zsacthd	B	School head activities	0.024	0.759
pabsent	B	P/Days Absent	-0.035	0.642
penglish	B	P/Speak Eng at home	0.135	0.075
sexpall	B	S/Sh Altogether	0.009	0.905
slost	B	S/Lost days	0.000	0.995
tmactmos	B	T/Most Important math activity	-0.090	0.241
tmgoalmo	B	T/Most Important math goal	0.055	0.473
yexper	B	D:/Mathematics class size	0.078	0.308
youtwork	B	T/Hours outside	-0.126	0.100
zpabwhy2	B	R:/ reason absent-ill	-0.130	0.087
zpabwhy3	B	R:/ reason absent-family	0.103	0.174
zpabwhy4	B	R:/ reason absent-fee not paid	-0.292	<b>0.000</b>
zpabwhy6	B	R:/ reason absent-work	-0.069	0.362
ztrepmat	B	R:/ math teacher reporting comments on Mathematics	-0.048	0.536
ztestma	B	R:/ math teacher frequency giving written math test	-0.160	<b>0.037</b>
zmeet	B	R:/ math teacher frequency meeting parents	0.197	<b>0.010</b>
fytmgoal	C	T/maths goal-numeracy, goal-problem solve, goal-thinking, goal-confidence, goal-satisfaction, goal-career, goal-life skill:	-0.017	0.829
matott	C	SCR:/ teacher math-all total raw score	0.117	0.132
ratotp	C	SCR:/ pupil reading-all total raw score	0.778	<b>0.000</b>
sqacadem	C	S/Qualification-Academic	0.055	0.479
stchprim	C	S/Teachers (primary only)	0.079	0.309
stchseco	C	S/Teachers (secondary)	0.147	0.057
stchtert	C	S/Teachers (tertiary)	-0.022	0.778
yqacad	C	T/Qualif-academic	-0.029	0.707
zstchaca	C	D:/ ratio teachers having tertiary academic education	-0.229	<b>0.003</b>
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.151	0.051
pextmat	ETC	P/Extra tuition-subject	-0.142	0.061
pextoth	ETC	P/Extra tuition-subject	-0.158	<b>0.037</b>
pextpay	ETC	P/Extra tuition-payment	-0.216	<b>0.004</b>
sborrow	ETC	S/Pupils can borrow books	-0.097	0.209
sclass	ETC	S/# of classes	0.196	<b>0.011</b>
sclass6	ETC	S/# of classes G6	0.090	0.246
zsbldgco	ETC	R:/ school building condition	-0.045	0.566
zslocati	ETC	R:/ school location	0.161	<b>0.037</b>
zsprati	ETC	D:/ pupils-teacher ratio	0.063	0.415
zsrto22	ETC	D:/ total school resources [max=22]	0.032	0.677
zssessnu	ETC	D:/ the number of shifts	0.127	0.101
zstoitot	ETC	D:/ the number of toilets	0.044	0.567
fy1pmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.193	<b>0.010</b>
fy1zpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.292	<b>0.000</b>
fyaccess	ITC	Math teacher access (factor)	-0.070	0.361
sminutes	ITC	S/Minutes/periods	-0.215	<b>0.005</b>
speriods	ITC	School haed number of periods	-0.235	<b>0.002</b>



yclsiz	ITC	D:/Mathematics class size	-0.122	0.107
yminutes	ITC	T/Minutes/lesson	-0.106	0.168
yperiods	ITC	T/Periods/week	-0.043	0.576
zpborrow	ITC	R:/ borrow books	-0.150	0.053
zphmwkm	ITC	R:/ being given mathematics homework	0.042	0.582
zphmwkmc	ITC	R:/ being corrected mathematics homework	0.120	0.113
zpsit	ITC	R:/ sitting place	0.020	0.797
zptextm	ITC	R:/ sharing/owning mathematics textbooks	0.081	0.283
zpwite	ITC	R:/ writing place	0.059	0.438
zyclbks	ITC	D:/ the number of classroom books	-0.143	0.067
zyclfum	ITC	D:/ math teacher total class furniture [max=5]	-0.038	0.633
zylres8	ITC	D:/ math teacher total class resources [max=8]	-0.036	0.645
zphmwkm	ITC	P/Math homework-given	0.042	0.582
zphmwkmc	ITC	P/Math homework-correct	0.120	0.113
pmeal1	PEPC	P/Morning meal	0.026	0.728
pmeal2	PEPC	P/Lunch	0.050	0.512
pmeal3	PEPC	P/Evening meal	0.225	<b>0.003</b>
prepeat6	PEPC	P/Repeating G6	0.089	0.238
pstay	PEPC	P/Place to stay	-0.175	<b>0.020</b>
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.155	<b>0.040</b>
zpboksh	PEPC	D:/ the number of books at home	-0.031	0.680
zprepeat	PEPC	R:/ grade repetition	0.179	<b>0.017</b>
zpses	PEPC	D:/ pupil's SES	0.216	<b>0.004</b>
zpssex	PEPC	R:/ pupil sex	0.095	0.211
fy1zscmm	PSI	Community involviment	-0.149	0.053
sprobcom	PSI	S/Community problem	-0.148	0.056
tsignmat	PSI	T/Parents sign-math	0.012	0.880
zpcalc	PSI	R:/ being asked to calculate	-0.158	<b>0.036</b>
zphmwkdn	PSI	R:/ homework-make sure	0.093	0.221
zplookwk	PSI	R:/ being looked at the school work	-0.088	0.244
zquestm	PSI	R:/ being asked questions about mathematics	-0.185	<b>0.014</b>
ztsignma	PSI	R:/ math teacher asking parents to sign	0.012	0.880
zsagelvl	TC	R:/ school head age level	0.202	<b>0.009</b>
zssex	TC	R:/ school head sex	0.184	<b>0.017</b>
zyagelvl	TC	D:/ math teacher age level	0.033	0.669
zycondli	TC	R:/ math teacher home condition	-0.029	0.709
zyhpos13	TC	D:/ math teacher total possessions at home [max=13]	0.176	<b>0.021</b>
zylight	TC	R:/ math teacher source of lighting	0.239	<b>0.002</b>
zysex	TC	R:/ math teacher sex	0.163	<b>0.034</b>
sqspec	TT	S/Qualification-special training	0.167	<b>0.031</b>
sqspecwk	TT	S/# Weeks special training	-0.088	0.500
stch1yr	TT	S/Teachers (1 Yr)	0.175	<b>0.024</b>
stch2yr	TT	S/Teachers (2 Yr)	0.098	0.204
stch3yr	TT	S/Teachers (3 Yr)	0.015	0.842
stchmore	TT	S/Teachers (More)	0.140	0.071
stchnott	TT	S/Teachers (No Tt)	-0.183	<b>0.018</b>
stchshor	TT	S/Teachers (Short)	0.127	0.101
zsqt	TT	R:/ school head teacher training	-0.094	0.223
zyinserv	TT	R:/ math teacher inservice training effectiveness	-0.090	0.419
zyqprof	TT	D:/ math teacher teacher training	0.182	0.017



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APPENDIX 56

SACMEQ OVERVIEW - READING

Variables	Domain/ construct	Description	Corr	Sig	N
zxsat01	A	R:/ reading teacher satisfaction-distance	0.057	<b>0.006</b>	2255
zxsat03	A	R:/ reading teacher satisfaction-school building quality	-0.018	0.402	2255
zxsat04	A	R:/ reading teacher satisfaction-teacher house availability	-0.100	<b>0.000</b>	2255
zxsat05	A	R:/ reading teacher satisfaction-teacher house quality	-0.018	0.385	2255
zxsat07	A	R:/ reading teacher satisfaction-classroom furniture quality	0.077	<b>0.000</b>	2255
zxsat08	A	R:/ reading teacher satisfaction-level of salary	0.119	<b>0.000</b>	2255
zxsat10	A	R:/ reading teacher satisfaction-pupil learn	0.093	<b>0.000</b>	2255
zxsat12	A	R:/ reading teacher satisfaction-school management quality	0.070	<b>0.001</b>	2255
zxsat13	A	R:/ reading teacher satisfaction-staff relationship	0.079	<b>0.000</b>	2255
zxsat14	A	R:/ reading teacher satisfaction-community relationship	0.021	0.330	2255
zxsat15	A	R:/ reading teacher satisfaction-promotion opportunity	0.088	<b>0.000</b>	2255
zxsat16	A	R:/ reading teacher satisfaction-further study	-0.005	0.801	2255
fx1tract	B	Reading Teacher activities (factor)	0.128	<b>0.000</b>	2255
fx1trappr	B	Teacher reading approach	0.171	<b>0.000</b>	2255
fx1zsacthd	B	School head activities (factor)	0.055	<b>0.009</b>	2279
fxzsschac	B	School activities (factor)	0.060	<b>0.004</b>	2279
pabsent	B	P/days absent	-0.196	<b>0.000</b>	2294
sexpall	B	S/sh altogether	-0.109	<b>0.000</b>	2279
sexptch	B	S/years teaching	0.070	<b>0.001</b>	2279
sexpthis	B	S/sh this school	-0.167	<b>0.000</b>	2279
slost	B	S/lost days	0.022	0.295	2279
tractmos	B	T/most important math activity	0.018	0.384	2255
trgoalmo	B	T/most important math goal	0.077	<b>0.000</b>	2255
xexper	B	T/years of teaching	0.137	<b>0.000</b>	2255
xmeeusua	B	T/pup's parents meet/year	0.252	<b>0.000</b>	2255
xoutwork	B	T/hours outside	-0.053	<b>0.011</b>	2255
zpabwhy2	B	R:/ reason absent-ill	0.061	<b>0.004</b>	2236
zpabwhy3	B	R:/ reason absent-family	-0.072	<b>0.001</b>	2236
zpabwhy4	B	R:/ reason absent-work	-0.264	<b>0.000</b>	2236
zpabwhy6	B	R:/ reason absent-fee not paid	0.092	<b>0.000</b>	2236
zpenglis	B	R:/ speaking English at home	0.351	<b>0.000</b>	2294
ztrepeng	B	R:/ reading teacher reporting comments on English	0.002	0.931	2255
zttestre	B	R:/ reading teacher frequency giving written reading test	0.027	0.199	2255
zxmeet	B	R:/ reading teacher frequency meeting parents	0.053	<b>0.012</b>	2255
fx1trgoal	C	Reading goals (factor)	0.175	<b>0.000</b>	2255
matotp	C	SCR:/ pupil math-all total raw score	0.874	<b>0.000</b>	2294
matott	C	SCR:/ teacher math-all total raw score	0.379	<b>0.000</b>	1869
ratotp	C	SCR:/ pupil reading-all total raw score	1.000		2294
ratott	C	SCR:/ teacher reading-all total raw score	0.232	<b>0.000</b>	1928
sqacadem	C	S/Qualification-academic	0.191	<b>0.000</b>	2279
stchprim	C	S/Teachers (primary only)	0.009	0.663	2279
stchseco	C	S/Teachers (secondary)	0.107	<b>0.000</b>	2279
stchtert	C	S/Teachers (tertiary)	0.167	<b>0.000</b>	2279
zstchaca	C	D:/ ratio teachers having tertiary academic education	0.087	<b>0.000</b>	2279
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.078	<b>0.000</b>	2279
pexteng	ETC	P/extra tuition-subject	-0.046	<b>0.026</b>	2294
pextoth	ETC	P/extra tuition-subject	0.228	<b>0.000</b>	2294
sborrow	ETC	S/pupils can borrow books	0.114	<b>0.000</b>	2279
sclass	ETC	S/# of classes	0.190	<b>0.000</b>	2279
sclass6	ETC	S/# of classes G6	0.178	<b>0.000</b>	2279
zpextpay	ETC	R:/ paying for extra tuitions	-0.316	<b>0.000</b>	2057
zsbldgco	ETC	R:/ school building condition	-0.227	<b>0.000</b>	2279
zslocati	ETC	R:/ school location	0.371	<b>0.000</b>	2279
zsptrati	ETC	D:/ pupils-teacher ratio	-0.248	<b>0.000</b>	2279
zspupgir	ETC	D:/ ratio girls	0.015	0.473	2279



zsrto22	ETC	D:/ total school resources [max=22]	0.425	<b>0.000</b>	2279
zssessnu	ETC	D:/ the number of shifts	-0.084	<b>0.000</b>	2279
zstoitot	ETC	D:/ the number of toilets	0.277	<b>0.000</b>	2279
fxaccess	ITC	Teachers' access to material (factor)	0.133	<b>0.000</b>	2255
fxzpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.299	<b>0.000</b>	2294
sminutes	ITC	S/Minutes/periods	-0.127	<b>0.000</b>	2277
speriods	ITC	S/# Periods	-0.259	<b>0.000</b>	2279
xclsize	ITC	D:/Reading Class Size	-0.047	<b>0.026</b>	2294
xminutes	ITC	T/Minuts/lesson	0.015	0.477	2255
xperiods	ITC	T/Periods/week	-0.057	<b>0.007</b>	2255
zpborrow	ITC	R:/ borrow books	0.103	<b>0.000</b>	1850
zphmwkr	ITC	R:/ being given reading homework	0.192	<b>0.000</b>	2294
zphmwkrc	ITC	R:/ being corrected reading homework	0.092	<b>0.000</b>	2219
zpsit	ITC	R:/ sitting place	0.156	<b>0.000</b>	2294
zptextr	ITC	R:/ sharing/owning reading textbooks	0.119	<b>0.000</b>	2294
zpwite	ITC	R:/ writing place	0.173	<b>0.000</b>	2294
zxclfurn	ITC	D:/ reading teacher total class furniture [max=5]	0.154	<b>0.000</b>	2242
zxcres8	ITC	D:/ reading teacher total class resources [max=8]	0.154	<b>0.000</b>	2242
zxyclbks	ITC	D:/ the number of classroom books	-0.064	<b>0.003</b>	2179
pmeal1	PEPC	P/morning meal	0.175	<b>0.000</b>	2294
pmeal2	PEPC	P/lunch	0.150	<b>0.000</b>	2294
pmeal3	PEPC	P/evening meal	0.177	<b>0.000</b>	2294
prepeat6	PEPC	P/repeating G6	-0.206	<b>0.000</b>	2294
pstay	PEPC	P/place to stay	-0.125	<b>0.000</b>	2294
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.292	<b>0.000</b>	2294
zpboksh	PEPC	D:/ the number of books at home	0.333	<b>0.000</b>	2294
zprepeat	PEPC	R:/ grade repetition	-0.328	<b>0.000</b>	2294
zpses	PEPC	D:/ pupil's SES	0.497	<b>0.000</b>	2294
zpssex	PEPC	R:/ pupil sex	0.034	0.101	2294
fx1zscmm	PSI	Community involvement	0.302	<b>0.000</b>	2279
fx2zscmm	PSI	Community involvement	-0.106	<b>0.000</b>	2279
phmwkhlp	PSI	P/Homework-help	0.226	<b>0.000</b>	2294
sprobcom	PSI	S/Community problems	-0.072	<b>0.001</b>	2279
zphmwkdn	PSI	R:/ homework-make sure	0.299	<b>0.000</b>	2289
zplookwk	PSI	R:/ being looked at the school work	0.244	<b>0.000</b>	2294
zpquestr	PSI	R:/ being asked questions about any subject	0.097	<b>0.000</b>	2294
zpread	PSI	R:/ being asked to read	0.003	0.881	2294
zsignen	PSI	R:/ reading teacher asking parents to sign	0.083	<b>0.000</b>	2255
zsagelvl	TC	R:/ school head age level	0.006	0.765	2278
zssex	TC	R:/ school head sex	0.076	<b>0.000</b>	2276
zxagelvl	TC	D:/ reading teacher age level	0.092	<b>0.000</b>	2255
zxcondli	TC	R:/ reading teacher home condition	0.179	<b>0.000</b>	2255
zxhpos13	TC	D:/ reading teacher total possessions at home [max=13]	0.250	<b>0.000</b>	2255
zxlght	TC	R:/ reading teacher source of lighting	0.267	<b>0.000</b>	2255
zxsex	TC	R:/ reading teacher sex	0.164	<b>0.000</b>	2239
sqspecc	TT	S/qualification-special t	0.070	<b>0.001</b>	2269
sqspeccwk	TT	S/# weeks special trg	0.024	0.315	1791
stch1yr	TT	S/teachers (1 yr)	-0.028	0.180	2279
stch2yr	TT	S/teachers (2 yr)	0.215	<b>0.000</b>	2279
stch3yr	TT	S/teachers (3 yr)	0.037	0.081	2279
stchmore	TT	S/teachers (more)	0.179	<b>0.000</b>	2279
stchnott	TT	S/teachers (no tt)	-0.049	<b>0.020</b>	2249
stchshor	TT	S/teachers (short)	-0.051	<b>0.016</b>	2279
zsqt	TT	R:/ school head teacher training	-0.010	0.623	2279
zxinserv	TT	R:/ reading teacher inservice training effectiveness	-0.078	<b>0.004</b>	1383
zxqprof	TT	D:/ reading teacher teacher training	0.101	<b>0.000</b>	2255

## APPENDIX 56

### SACMEQ OVERVIEW - MATHEMATICS





Variables	Domain/ construct	Description	Corr	Sig	N
zysat01	A	R:/ math teacher satisfaction-distance	0.061	<b>0.004</b>	2218
zysat03	A	R:/ math teacher satisfaction-school building quality	-0.019	0.367	2218
zysat04	A	R:/ math teacher satisfaction-teacher house availability	-0.164	<b>0.000</b>	2218
zysat05	A	R:/ math teacher satisfaction-teacher house quality	-0.086	<b>0.000</b>	2218
zysat07	A	R:/ math teacher satisfaction-classroom furniture quality	0.049	<b>0.020</b>	2218
zysat08	A	R:/ math teacher satisfaction-level of salary	0.115	<b>0.000</b>	2218
zysat10	A	R:/ math teacher satisfaction-pupil learn	0.072	<b>0.001</b>	2218
zysat12	A	R:/ math teacher satisfaction-school management quality	0.052	<b>0.015</b>	2218
zysat13	A	R:/ math teacher satisfaction-staff relationship	0.046	<b>0.030</b>	2218
zysat14	A	R:/ math teacher satisfaction-community relationship	-0.002	0.915	2218
zysat15	A	R:/ math teacher satisfaction-promotion opportunity	0.111	<b>0.000</b>	2218
zysat16	A	R:/ math teacher satisfaction-further study	-0.024	0.255	2218
fy1mappr	B	Teacher math approach	0.137	<b>0.000</b>	2177
fy1tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.053	<b>0.014</b>	2202
fy1zsacthd	B	School head activities	0.024	0.245	2279
fy2mappr	B	Teacher math approach	0.055	<b>0.011</b>	2177
fy2tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.072	<b>0.001</b>	2202
fy2zsacthd	B	School head activities	0.001	0.963	2279
fyzsschac	B	School activities	0.044	<b>0.036</b>	2279
pabsent	B	P/days absent	-0.134	<b>0.000</b>	2294
sexpall	B	S/sh altogether	-0.146	<b>0.000</b>	2279
sexptch	B	S/years teaching	0.083	<b>0.000</b>	2279
sexpthis	B	S/sh this school	-0.217	<b>0.000</b>	2279
slost	B	S/lost days	0.054	<b>0.009</b>	2279
tmactmos	B	T/most important math activity	0.043	<b>0.046</b>	2199
tmgoalmo	B	T/most important math goal	-0.021	0.323	2200
yexper	B	D:/Mathematics Class Size	0.128	<b>0.000</b>	2218
youtwork	B	T/HOURS OUTSIDE	-0.102	<b>0.000</b>	2218
zpabwhy2	B	R:/ reason absent-ill	0.019	0.381	2236
zpabwhy3	B	R:/ reason absent-family	-0.070	<b>0.001</b>	2236
zpabwhy4	B	R:/ reason absent-fee not paid	-0.251	<b>0.000</b>	2236
zpabwhy6	B	R:/ reason absent-work	0.104	<b>0.000</b>	2236
zpenglis	B	R:/ speaking English at home	0.274	<b>0.000</b>	2294
ztrepmat	B	R:/ math teacher reporting comments on Mathematics	0.017	0.429	2218
ztestma	B	R:/ math teacher frequency giving written math test	-0.053	<b>0.014</b>	2200
zymeet	B	R:/ math teacher frequency meeting parents	0.075	<b>0.000</b>	2218
fy1tmgoal	C	Math goals (factor)	0.050	<b>0.021</b>	2142
fy2tmgoal	C	Math goals (factor)	0.092	<b>0.000</b>	2142
matott	C	SCR:/ teacher math-all total raw score	0.421	<b>0.000</b>	1869
ratotp	C	SCR:/ pupil reading-all total raw score	0.874	<b>0.000</b>	2294
ratott	C	SCR:/ teacher reading-all total raw score	0.223	<b>0.000</b>	1928
sqacadem	C	S/qualification-academic	0.179	<b>0.000</b>	2279
stchprim	C	S/teachers (primary only)	-0.044	<b>0.038</b>	2279
stchseco	C	S/teachers (secondary)	0.121	<b>0.000</b>	2279
stchtert	C	S/teachers (tertiary)	0.101	<b>0.000</b>	2279
yqacad	C	T/qualif-academic	0.217	<b>0.000</b>	2218
zstchaca	C	D:/ ratio teachers having tertiary academic education	0.042	<b>0.047</b>	2279
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.044	<b>0.037</b>	2279
pexteng	ETC	P/extra tuition-subject	0.059	<b>0.005</b>	2294
pextoth	ETC	P/extra tuition-subject	0.330	<b>0.000</b>	2294
sclass	ETC	S/# of classes	0.139	<b>0.000</b>	2279
sclass6	ETC	S/# of classes G6	0.160	<b>0.000</b>	2279
zpextpay	ETC	R:/ paying for extra tuitions	-0.382	<b>0.000</b>	2057
zsbldgco	ETC	R:/ school building condition	-0.231	<b>0.000</b>	2279
zslocati	ETC	R:/ school location	0.286	<b>0.000</b>	2279
zsprati	ETC	D:/ pupils-teacher ratio	-0.218	<b>0.000</b>	2279
zspupgir	ETC	D:/ ratio girls	-0.043	<b>0.041</b>	2279
zsrrot22	ETC	D:/ total school resources [max=22]	0.390	<b>0.000</b>	2279



zssessnu	ETC	D:/ the number of shifts	-0.103	<b>0.000</b>	2279
zstoitot	ETC	D:/ the number of toilets	0.243	<b>0.000</b>	2279
fy1access	ITC	fy1access	0.181	<b>0.000</b>	2218
fy2access	ITC	fy2access	-0.071	<b>0.001</b>	2218
fyzpmat	ITC	fyzpmat	-0.288	<b>0.000</b>	2294
sminutes	ITC	S/Minutes/Periods	-0.138	<b>0.000</b>	2277
speriods	ITC	S/# Periods	-0.252	<b>0.000</b>	2279
yclsiz	ITC	D:/Mathematics Class Size	-0.054	<b>0.010</b>	2294
yminutes	ITC	T/Minutes/lesson	0.084	<b>0.000</b>	2218
yperiods	ITC	T/Periods/week	-0.081	<b>0.000</b>	2218
zpborrow	ITC	R:/ borrow books	0.118	<b>0.000</b>	1850
zpsit	ITC	R:/ sitting place	0.104	<b>0.000</b>	2294
zptextm	ITC	R:/ sharing/owning mathematics textbooks	0.172	<b>0.000</b>	2294
zpwrit	ITC	R:/ writing place	0.115	<b>0.000</b>	2294
zxcylibks	ITC	D:/ the number of classroom books	-0.083	<b>0.000</b>	2179
zycfurn	ITC	D:/ math teacher total class furniture [max=5]	0.123	<b>0.000</b>	2206
zycres8	ITC	D:/ math teacher total class resources [max=8]	0.117	<b>0.000</b>	2206
zphmwkm	ITC	P/math homework-given	0.310	<b>0.000</b>	2294
zphmwkmc	ITC	P/math homework-correct	0.110	<b>0.000</b>	2276
pmeal1	PEPC	P/morning meal	0.189	<b>0.000</b>	2294
pmeal2	PEPC	P/lunch	0.169	<b>0.000</b>	2294
pmeal3	PEPC	P/evening meal	0.198	<b>0.000</b>	2294
prepeat6	PEPC	P/repeating G6	-0.134	<b>0.000</b>	2294
pstay	PEPC	P/place to stay	-0.120	<b>0.000</b>	2294
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.318	<b>0.000</b>	2294
zpboksh	PEPC	D:/ the number of books at home	0.331	<b>0.000</b>	2294
zprepeat	PEPC	R:/ grade repetition	-0.303	<b>0.000</b>	2294
zpses	PEPC	D:/ pupil's SES	0.450	<b>0.000</b>	2294
zpssex	PEPC	R:/ pupil sex	-0.047	<b>0.025</b>	2294
fy1zscmm	PSI	Community involvement	0.255	<b>0.000</b>	2279
fy2zscmm	PSI	Community involvement	-0.108	<b>0.000</b>	2279
phmwkhlp	PSI	P/Homework-help	0.146	<b>0.000</b>	2294
sprobcom	PSI	S/Community problem	-0.107	<b>0.000</b>	2279
zpcalc	PSI	R:/ being asked to calculate	0.101	<b>0.000</b>	2294
zphmwkdn	PSI	R:/ homework-make sure	0.251	<b>0.000</b>	2289
zplookwk	PSI	R:/ being looked at the school work	0.187	<b>0.000</b>	2294
zpqestm	PSI	R:/ being asked questions about mathematics	0.069	<b>0.001</b>	2294
ztsigma	PSI	R:/ math teacher asking parents to sign	-0.003	0.901	2218
zsagelvl	TC	R:/ school head age level	0.010	0.635	2278
zssex	TC	R:/ school head sex	0.025	0.225	2276
zyagelvl	TC	D:/ math teacher age level	0.075	<b>0.000</b>	2218
zycondli	TC	R:/ math teacher home condition	0.196	<b>0.000</b>	2218
zyhpos13	TC	D:/ math teacher total possessions at home [max=13]	0.237	<b>0.000</b>	2218
zylight	TC	R:/ math teacher source of lighting	0.226	<b>0.000</b>	2218
zysex	TC	R:/ math teacher sex	-0.044	<b>0.039</b>	2198
sqspec	TT	S/qualification-special t	0.081	<b>0.000</b>	2269
sqspecwk	TT	S/# weeks special trg	0.073	<b>0.002</b>	1791
stch1yr	TT	S/teachers (1 yr)	-0.019	0.362	2279
stch2yr	TT	S/teachers (2 yr)	0.180	<b>0.000</b>	2279
stch3yr	TT	S/teachers (3 yr)	-0.027	0.197	2279
stchmore	TT	S/teachers (more)	0.173	<b>0.000</b>	2279
stchnott	TT	S/teachers (no tt)	-0.040	0.059	2249
stchshor	TT	S/teachers (short)	-0.053	<b>0.012</b>	2279
zsqt	TT	R:/ school head teacher training	-0.024	0.243	2279
zyinserv	TT	R:/ math teacher inservice training effectiveness	-0.073	0.007	1352
zyqprof	TT	D:/ math teacher teacher training	0.055	0.010	2218
sborrow		S/Pupils can borrow books	0.158	0.000	2279



**APPENDIX 57**  
**MOZAMBIQUE COGNITIVE DOMAIN - READING**

Prov	Variable	Description	Pearson Cor	Sig	N
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	14
	matotp	SCR:/ teacher math-all total raw score	0.874	0.000	14
	ratott	SCR:/ teacher reading-all total raw score	-0.138	0.638	14
	xqacad	S/qualification-academic	0.170	0.561	14
	fxtrgoal	Reading goals (factor)	-0.189	0.518	14
	stchprim	S/Teachers (primary only)	0.123	0.675	14
	stchseco	S/Teachers (secondary)	-0.416	0.139	14
	stchtert	S/Teachers (tertiary)	-0.204	0.484	14
	zstchaca	D:/ ratio teachers having tertiary academic education	0.280	0.332	14
	sqacadem	School head qualification-academic	-0.141	0.631	14
GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	15
	matotp	SCR:/ teacher math-all total raw score	0.832	0.000	15
	ratott	SCR:/ teacher reading-all total raw score	0.214	0.462	14
	xqacad	S/qualification-academic	-0.067	0.820	14
	fxtrgoal	Reading goals (factor)	-0.011	0.971	14
	stchprim	S/Teachers (primary only)	0.437	0.104	15
	stchseco	S/Teachers (secondary)	-0.160	0.569	15
	stchtert	S/Teachers (tertiary)	-0.204	0.467	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.230	0.410	15
	sqacadem	School head qualification-academic	-0.016	0.955	15
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	14
	matotp	SCR:/ teacher math-all total raw score	0.712	0.004	14
	ratott	SCR:/ teacher reading-all total raw score	-0.164	0.576	14
	xqacad	S/qualification-academic	0.370	0.192	14
	fxtrgoal	Reading goals (factor)	0.271	0.348	14
	stchprim	S/Teachers (primary only)	0.408	0.166	13
	stchseco	S/Teachers (secondary)	0.026	0.933	13
	stchtert	S/Teachers (tertiary)	0.136	0.659	13
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.046	0.881	13
	sqacadem	School head qualification-academic	0.314	0.297	13
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	20
	matotp	SCR:/ teacher math-all total raw score	0.584	0.007	20
	ratott	SCR:/ teacher reading-all total raw score	0.027	0.911	20
	xqacad	S/qualification-academic	-0.233	0.324	20
	fxtrgoal	Reading goals (factor)	0.074	0.757	20
	stchprim	S/Teachers (primary only)	0.223	0.374	18
	stchseco	S/Teachers (secondary)	0.102	0.686	18
	stchtert	S/Teachers (tertiary)	-0.104	0.680	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.355	0.149	18
	sqacadem	School head qualification-academic	0.470	0.049	18
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	15
	matotp	SCR:/ teacher math-all total raw score	0.786	0.001	15
	ratott	SCR:/ teacher reading-all total raw score	0.010	0.973	14
	xqacad	S/qualification-academic	0.093	0.751	14
	stchprim	S/Teachers (primary only)	-0.377	0.252	11



	stchseco	S/Teachers (secondary)	0.273	0.417	11
	stchtert	S/Teachers (tertiary)	0.380	0.250	11
	zstchaca	D:/ ratio teachers having tertiary academic education	0.233	0.491	11
	sqacadem	School head qualification-academic	0.201	0.554	11
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.667	0.007	15
	ratott	SCR:/ teacher reading-all total raw score	0.297	0.283	15
	xqacad	S/qualification-academic	0.022	0.937	15
	fxtrgoal	Reading goals (factor)	0.098	0.728	15
	stchprim	S/Teachers (primary only)	-0.285	0.303	15
	stchseco	S/Teachers (secondary)	0.337	0.219	15
	stchtert	S/Teachers (tertiary)	0.150	0.594	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.014	0.959	15
	sqacadem	School head qualification-academic	0.381	0.161	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	matotp	SCR:/ teacher math-all total raw score	0.608	0.004	20
	ratott	SCR:/ teacher reading-all total raw score	0.074	0.758	20
	xqacad	S/qualification-academic	0.079	0.740	20
	fxtrgoal	Reading goals (factor)	-0.026	0.913	20
	stchprim	S/Teachers (primary only)	-0.306	0.190	20
	stchseco	S/Teachers (secondary)	0.232	0.325	20
	stchtert	S/Teachers (tertiary)	0.011	0.965	20
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.055	0.818	20
	sqacadem	School head qualification-academic	0.184	0.438	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.572	0.026	15
	ratott	SCR:/ teacher reading-all total raw score	0.232	0.406	15
	xqacad	S/qualification-academic	-0.337	0.220	15
	fxtrgoal	Reading goals (factor)	0.242	0.385	15
	stchprim	S/Teachers (primary only)	0.029	0.923	14
	stchseco	S/Teachers (secondary)	-0.433	0.122	14
	stchtert	S/Teachers (tertiary)	-0.384	0.175	14
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.185	0.527	14
	sqacadem	School head qualification-academic	-0.080	0.786	14
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.783	0.001	15
	ratott	SCR:/ teacher reading-all total raw score	0.137	0.640	14
	xqacad	S/qualification-academic	-0.067	0.821	14
	fxtrgoal	Reading goals (factor)	0.051	0.861	14
	stchprim	S/Teachers (primary only)	-0.028	0.920	15
	stchseco	S/Teachers (secondary)	0.130	0.643	15
	stchtert	S/Teachers (tertiary)	0.100	0.724	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.078	0.781	15
	sqacadem	School head qualification-academic	0.088	0.756	15
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.597	0.019	15
	ratott	SCR:/ teacher reading-all total raw score	0.616	0.015	15
	xqacad	S/qualification-academic	-0.120	0.670	15
	fxtrgoal	Reading goals (factor)	-0.266	0.338	15
	stchprim	S/Teachers (primary only)	-0.171	0.543	15



	stchseco	S/Teachers (secondary)	0.055	0.845	15
	stchtert	S/Teachers (tertiary)	0.075	0.790	15
	zstchaca	D:/ ratio teachers having tertiary academic education	0.054	0.847	15
	sqacadem	School head qualification-academic	-0.118	0.675	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	matotp	SCR:/ teacher math-all total raw score	0.764	0.000	18
	ratott	SCR:/ teacher reading-all total raw score	-0.045	0.865	17
	xqacad	S/qualification-academic	0.167	0.507	18
	fxtrgoal	Reading goals (factor)	0.075	0.767	18
	stchprim	S/Teachers (primary only)	-0.011	0.966	18
	stchseco	S/Teachers (secondary)	-0.052	0.836	18
	stchtert	S/Teachers (tertiary)	0.335	0.174	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.070	0.784	18
	sqacadem	School head qualification-academic	0.274	0.271	18
**	Correlation is significant at the 0.01 level (2-tailed)				
*	Correlation is significant at the 0.05 level (2-tailed)				

## APPENDIX 57

### MOZAMBIQUE COGNITIVE DOMAIN - MATHEMATICS

Prov	CAB	Variable	Description	Pearson Cor	Sig	N
		matotp	SCR:/ Pupils math-all total raw score	1.000		14
		matott	SCR:/ teacher math-all total raw score	0.095	0.746	14
		yqacad	T/Qualif-academic	-0.478	0.084	14
		fytmgoal	T/maths goal (factor)	-0.502	0.067	14
		stchprim	S/Teachers (primary only)	0.264	0.361	14
		stchseco	S/Teachers (secondary)	-0.337	0.239	14
		stchtert	S/Teachers (tertiary)	-0.250	0.388	14
		zstchaca	D:/ ratio teachers having tertiary academic education	0.133	0.651	14
GAZ		sqacadem	School head qualification-Academic	-0.311	0.279	14
		matotp	SCR:/ Pupils math-all total raw score	1.000		15
		matott	SCR:/ teacher math-all total raw score	-0.237	0.415	14
		yqacad	T/Qualif-academic	0.204	0.485	14
		fytmgoal	T/maths goal (factor)	-0.194	0.505	14
		stchprim	S/Teachers (primary only)	0.396	0.144	15
		stchseco	S/Teachers (secondary)	-0.150	0.594	15
		stchtert	S/Teachers (tertiary)	-0.305	0.269	15
		zstchaca	D:/ ratio teachers having tertiary academic education	-0.096	0.733	15
INH		sqacadem	School head qualification-Academic	-0.193	0.491	15
		matotp	SCR:/ Pupils math-all total raw score	1.000		14
		matott	SCR:/ teacher math-all total raw score	-0.588	0.044	12
		yqacad	T/Qualif-academic	-0.350	0.242	13
		fytmgoal	T/maths goal (factor)	0.023	0.939	13
		stchprim	S/Teachers (primary only)	0.595	0.032	13
		stchseco	S/Teachers (secondary)	0.187	0.540	13
		stchtert	S/Teachers (tertiary)	-0.159	0.604	13
		zstchaca	D:/ ratio teachers having tertiary academic education	-0.414	0.160	13
MAC		sqacadem	School head qualification-Academic	0.167	0.586	13
		matotp	SCR:/ Pupils math-all total raw score	1.000		20
		matott	SCR:/ teacher math-all total raw score	-0.248	0.291	20



	yqacad	T/Qualif-academic	-0.251	0.286	20
	fytmgoal	T/maths goal (factor)	0.230	0.344	19
	stchprim	S/Teachers (primary only)	0.050	0.843	18
	stchseco	S/Teachers (secondary)	0.265	0.289	18
	stchtert	S/Teachers (tertiary)	0.018	0.945	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.271	0.277	18
MAN	sqacadem	School head qualification-Academi	0.442	0.066	18
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	-0.114	0.697	14
	yqacad	T/Qualif-academic	-0.692	0.006	14
	fytmgoal	T/maths goal (factor)	-0.516	0.059	14
	stchprim	S/Teachers (primary only)	-0.199	0.557	11
	stchseco	S/Teachers (secondary)	-0.028	0.935	11
	stchtert	S/Teachers (tertiary)	-0.060	0.861	11
	zstchaca	D:/ ratio teachers having tertiary academic education	0.019	0.956	11
MAP	sqacadem	School head qualification-Academi	-0.066	0.847	11
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.274	0.324	15
	yqacad	T/Qualif-academic	0.064	0.820	15
	fytmgoal	T/maths goal (factor)	0.553	0.032	15
	stchprim	S/Teachers (primary only)	-0.399	0.140	15
	stchseco	S/Teachers (secondary)	-0.027	0.923	15
	stchtert	S/Teachers (tertiary)	-0.039	0.891	15
	zstchaca	D:/ ratio teachers having tertiary academic education	0.239	0.391	15
NAM	sqacadem	School head qualification-Academi	0.259	0.351	15
	matotp	SCR:/ Pupils math-all total raw score	1.000		20
	matott	SCR:/ teacher math-all total raw score	0.065	0.785	20
	yqacad	T/Qualif-academic	-0.227	0.336	20
	fytmgoal	T/maths goal (factor)	-0.235	0.319	20
	stchprim	S/Teachers (primary only)	-0.598	0.005	20
	stchseco	S/Teachers (secondary)	0.467	0.038	20
	stchtert	S/Teachers (tertiary)	0.041	0.863	20
	zstchaca	D:/ ratio teachers having tertiary academic education	0.149	0.531	20
NIA	sqacadem	School head qualification-Academi	0.255	0.278	20
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.064	0.827	14
	yqacad	T/Qualif-academic	0.147	0.616	14
	fytmgoal	T/maths goal (factor)	0.248	0.392	14
	stchprim	S/Teachers (primary only)	0.438	0.117	14
	stchseco	S/Teachers (secondary)	-0.166	0.570	14
	stchtert	S/Teachers (tertiary)	-0.453	0.104	14
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.717	0.004	14
SOF	sqacadem	School head qualification-Academi	-0.424	0.131	14
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.089	0.772	13
	yqacad	T/Qualif-academic	0.567	0.035	14
	fytmgoal	T/maths goal (factor)	-0.186	0.525	14
	stchprim	S/Teachers (primary only)	-0.128	0.650	15
	stchseco	S/Teachers (secondary)	0.009	0.976	15
	stchtert	S/Teachers (tertiary)	-0.319	0.247	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.278	0.316	15



TET	sqacadem	School head qualification-Academi	-0.233	0.404	15
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.146	0.604	15
	yqacad	T/Qualif-academic	0.136	0.628	15
	fytmgoal	T/maths goal (factor)	0.110	0.697	15
	stchprim	S/Teachers (primary only)	-0.183	0.514	15
	stchseco	S/Teachers (secondary)	-0.223	0.425	15
	stchtert	S/Teachers (tertiary)	-0.406	0.133	15
	zstchaca	D:/ ratio teachers having tertiary academic education	0.069	0.807	15
ZAM	sqacadem	School head qualification-Academi	-0.158	0.574	15
	matotp	SCR:/ Pupils math-all total raw score	1.000		18
	matott	SCR:/ teacher math-all total raw score	0.218	0.400	17
	yqacad	T/Qualif-academic	-0.107	0.672	18
	fytmgoal	T/maths goal (factor)	-0.341	0.181	17
	stchprim	S/Teachers (primary only)	-0.039	0.877	18
	stchseco	S/Teachers (secondary)	0.036	0.886	18
	stchtert	S/Teachers (tertiary)	-0.016	0.949	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.208	0.407	18
*	sqacadem	School head qualification-Academi	0.114	0.654	18

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)



**APPENDIX 58**  
**MOZAMBIQUE AFFECTIVE DOMAIN - READING**

Prov	Variables	Description	Corr	Sig	N	
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14	
	zxsat01	R:/ reading teacher satisfaction-distance	0.619	0.018	14	
	zxsat03	R:/ reading teacher satisfaction-school building quality	-0.040	0.892	14	
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	-0.078	0.791	14	
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	-0.524	0.055	14	
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	0.258	0.372	14	
	zxsat08	R:/ reading teacher satisfaction-level of salary	-0.467	0.092	14	
	zxsat10	R:/ reading teacher satisfaction-pupil learn	-0.016	0.958	14	
	zxsat12	R:/ reading teacher satisfaction-school management quality	-0.389	0.170	14	
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.217	0.457	14	
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.191	0.514	14	
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.071	0.809	14	
	zxsat16	R:/ reading teacher satisfaction-further study	0.074	0.802	14	
	GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
		zxsat01	R:/ reading teacher satisfaction-distance	0.375	0.187	14
		zxsat03	R:/ reading teacher satisfaction-school building quality	0.464	0.095	14
		zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.349	0.221	14
zxsat05		R:/ reading teacher satisfaction-teacher house quality	0.557	0.038	14	
zxsat07		R:/ reading teacher satisfaction-classroom furniture quality	0.410	0.145	14	
zxsat08		R:/ reading teacher satisfaction-level of salary	0.154	0.600	14	
zxsat10		R:/ reading teacher satisfaction-pupil learn	-0.227	0.436	14	
zxsat12		R:/ reading teacher satisfaction-school management quality	0.137	0.639	14	
zxsat13		R:/ reading teacher satisfaction-staff relationship	0.452	0.105	14	
zxsat14		R:/ reading teacher satisfaction-community relationship	0.234	0.420	14	
zxsat15		R:/ reading teacher satisfaction-promotion opportunity	0.003	0.992	14	
zxsat16		R:/ reading teacher satisfaction-further study	0.009	0.976	14	
INH		ratotp	SCR:/ pupil reading-all total raw score	1.000		14
		zxsat01	R:/ reading teacher satisfaction-distance	-0.156	0.593	14
		zxsat03	R:/ reading teacher satisfaction-school building quality	0.368	0.196	14
		zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.020	0.947	14
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	0.075	0.799	14	
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	0.287	0.321	14	
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.247	0.394	14	
	zxsat10	R:/ reading teacher satisfaction-pupil learn	-0.393	0.165	14	
	zxsat12	R:/ reading teacher satisfaction-school management quality	-0.383	0.176	14	
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.188	0.520	14	
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.338	0.237	14	
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.008	0.979	14	
	zxsat16	R:/ reading teacher satisfaction-further study	0.295	0.305	14	
	MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
		zxsat01	R:/ reading teacher satisfaction-distance	0.428	0.060	20
		zxsat03	R:/ reading teacher satisfaction-school building quality	0.066	0.783	20
		zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.277	0.237	20
zxsat05		R:/ reading teacher satisfaction-teacher house quality	-0.142	0.550	20	
zxsat07		R:/ reading teacher satisfaction-classroom furniture quality	0.085	0.723	20	
zxsat08		R:/ reading teacher satisfaction-level of salary	0.105	0.659	20	





	zxsat10	R:/ reading teacher satisfaction-pupil learr	.(a)	.	20
	zxsat12	R:/ reading teacher satisfaction-school management qualit	0.375	0.104	20
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.212	0.370	20
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.291	0.214	20
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	0.043	0.859	20
	zxsat16	R:/ reading teacher satisfaction-further study	0.037	0.877	20
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	-0.283	0.327	14
	zxsat03	R:/ reading teacher satisfaction-school building qualit	-0.156	0.595	14
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.419	0.135	14
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	0.377	0.184	14
	zxsat07	R:/ reading teacher satisfaction-classroom furniture qualit	0.163	0.577	14
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.391	0.167	14
	zxsat10	R:/ reading teacher satisfaction-pupil learr	.(a)	.	14
	zxsat12	R:/ reading teacher satisfaction-school management qualit	0.212	0.467	14
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.381	0.179	14
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.381	0.179	14
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	0.361	0.205	14
	zxsat16	R:/ reading teacher satisfaction-further study	-0.054	0.854	14
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	0.593	0.020	15
	zxsat03	R:/ reading teacher satisfaction-school building qualit	0.054	0.848	15
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.337	0.220	15
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	0.019	0.945	15
	zxsat07	R:/ reading teacher satisfaction-classroom furniture qualit	-0.284	0.304	15
	zxsat08	R:/ reading teacher satisfaction-level of salary	.(a)	.	15
	zxsat10	R:/ reading teacher satisfaction-pupil learr	.(a)	.	15
	zxsat12	R:/ reading teacher satisfaction-school management qualit	-0.122	0.666	15
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.253	0.364	15
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.291	0.292	15
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	0.593	0.020	15
	zxsat16	R:/ reading teacher satisfaction-further study	-0.132	0.639	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zxsat01	R:/ reading teacher satisfaction-distance	0.243	0.303	20
	zxsat03	R:/ reading teacher satisfaction-school building qualit	-0.289	0.216	20
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.251	0.285	20
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	-0.215	0.362	20
	zxsat07	R:/ reading teacher satisfaction-classroom furniture qualit	0.069	0.773	20
	zxsat08	R:/ reading teacher satisfaction-level of salary	-0.245	0.298	20
	zxsat10	R:/ reading teacher satisfaction-pupil learr	0.189	0.424	20
	zxsat12	R:/ reading teacher satisfaction-school management qualit	-0.387	0.092	20
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.335	0.149	20
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.031	0.896	20
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	-0.429	0.059	20
	zxsat16	R:/ reading teacher satisfaction-further study	-0.264	0.261	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	-0.299	0.278	15
	zxsat03	R:/ reading teacher satisfaction-school building qualit	-0.086	0.760	15
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.155	0.580	15
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	-0.220	0.431	15



	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	-0.439	0.102	15
	zxsat08	R:/ reading teacher satisfaction-level of salary	-0.216	0.439	15
	zxsat10	R:/ reading teacher satisfaction-pupil learn	0.219	0.433	15
	zxsat12	R:/ reading teacher satisfaction-school management quality	0.255	0.360	15
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.190	0.497	15
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.118	0.675	15
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	-0.261	0.348	15
	zxsat16	R:/ reading teacher satisfaction-further study	-0.004	0.989	15
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	-0.153	0.600	14
	zxsat03	R:/ reading teacher satisfaction-school building quality	-0.028	0.925	14
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.334	0.244	14
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	0.025	0.932	14
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	-0.117	0.689	14
	zxsat08	R:/ reading teacher satisfaction-level of salary	.(a)	.	14
	zxsat10	R:/ reading teacher satisfaction-pupil learn	.(a)	.	14
	zxsat12	R:/ reading teacher satisfaction-school management quality	-0.230	0.428	14
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.101	0.732	14
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.217	0.455	14
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	-0.033	0.910	14
	zxsat16	R:/ reading teacher satisfaction-further study	0.074	0.801	14
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	0.506	0.054	15
	zxsat03	R:/ reading teacher satisfaction-school building quality	0.307	0.266	15
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.024	0.932	15
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	-0.053	0.852	15
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	0.116	0.682	15
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.389	0.152	15
	zxsat10	R:/ reading teacher satisfaction-pupil learn	-0.134	0.634	15
	zxsat12	R:/ reading teacher satisfaction-school management quality	0.403	0.136	15
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.243	0.382	15
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.476	0.073	15
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.427	0.113	15
	zxsat16	R:/ reading teacher satisfaction-further study	0.228	0.414	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	zxsat01	R:/ reading teacher satisfaction-distance	-0.361	0.141	18
	zxsat03	R:/ reading teacher satisfaction-school building quality	0.082	0.746	18
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.341	0.166	18
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	0.342	0.165	18
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	-0.036	0.887	18
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.288	0.246	18
	zxsat10	R:/ reading teacher satisfaction-pupil learn	-0.051	0.840	18
	zxsat12	R:/ reading teacher satisfaction-school management quality	0.328	0.185	18
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.026	0.919	18
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.188	0.456	18
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.261	0.295	18
	zxsat16	R:/ reading teacher satisfaction-further study	0.216	0.390	18

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)

a Cannot be computed because at least one of the variables is constant



**APPENDIX 58**  
**MOZAMBIQUE AFFECTIVE DOMAIN - MATHEMATICS**

Prov	variables	Description	Pearson	Sig	N	
CAB	matotp	SCR:/ Pupil math-all total raw score	1.000		14	
	zysat01	R:/ math teacher satisfaction-distance	-0.035	0.904	14	
	zysat03	R:/ math teacher satisfaction-school building quality	-0.350	0.219	14	
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.350	0.219	14	
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.414	0.142	14	
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.277	0.338	14	
	zysat08	R:/ math teacher satisfaction-level of salary	-0.455	0.102	14	
	zysat10	R:/ math teacher satisfaction-pupil learn	-0.610	0.020	14	
	zysat12	R:/ math teacher satisfaction-school management quality	-0.372	0.190	14	
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.610	0.020	14	
	zysat14	R:/ math teacher satisfaction-community relationship	-0.382	0.177	14	
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.430	0.125	14	
	zysat16	R:/ math teacher satisfaction-further study	-0.434	0.121	14	
	GAZ	matotp	SCR:/ Pupil math-all total raw score	1.000		15
		zysat01	R:/ math teacher satisfaction-distance	-0.167	0.567	14
		zysat03	R:/ math teacher satisfaction-school building quality	-0.375	0.186	14
		zysat04	R:/ math teacher satisfaction-teacher house availability	-0.092	0.755	14
zysat05		R:/ math teacher satisfaction-teacher house quality	-0.069	0.814	14	
zysat07		R:/ math teacher satisfaction-classroom furniture quality	0.355	0.213	14	
zysat08		R:/ math teacher satisfaction-level of salary	-0.097	0.741	14	
zysat10		R:/ math teacher satisfaction-pupil learn	0.169	0.563	14	
zysat12		R:/ math teacher satisfaction-school management quality	-0.250	0.389	14	
zysat13		R:/ math teacher satisfaction-staff relationship	-0.353	0.216	14	
zysat14		R:/ math teacher satisfaction-community relationship	-0.148	0.614	14	
zysat15		R:/ math teacher satisfaction-promotion opportunity	-0.029	0.923	14	
zysat16		R:/ math teacher satisfaction-further study	0.110	0.709	14	
INH		matotp	SCR:/ Pupil math-all total raw score	1.000		14
		zysat01	R:/ math teacher satisfaction-distance	-0.172	0.573	13
		zysat03	R:/ math teacher satisfaction-school building quality	-0.020	0.949	13
		zysat04	R:/ math teacher satisfaction-teacher house availability	-0.145	0.637	13
	zysat05	R:/ math teacher satisfaction-teacher house quality	0.416	0.157	13	
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	0.548	0.053	13	
	zysat08	R:/ math teacher satisfaction-level of salary	0.256	0.399	13	
	zysat10	R:/ math teacher satisfaction-pupil learn	.(a)	.	13	
	zysat12	R:/ math teacher satisfaction-school management quality	-0.627	0.022	13	
	zysat13	R:/ math teacher satisfaction-staff relationship	0.154	0.616	13	
	zysat14	R:/ math teacher satisfaction-community relationship	-0.409	0.165	13	
	zysat15	R:/ math teacher satisfaction-promotion opportunity	0.308	0.306	13	
	zysat16	R:/ math teacher satisfaction-further study	0.437	0.136	13	
	MAC	matotp	SCR:/ Pupil math-all total raw score	1.000		20
		zysat01	R:/ math teacher satisfaction-distance	-0.414	0.069	20
		zysat03	R:/ math teacher satisfaction-school building quality	-0.150	0.529	20
		zysat04	R:/ math teacher satisfaction-teacher house availability	-0.224	0.342	20
zysat05		R:/ math teacher satisfaction-teacher house quality	0.151	0.526	20	
zysat07		R:/ math teacher satisfaction-classroom furniture quality	-0.098	0.681	20	



	zysat08	R:/ math teacher satisfaction-level of salary	-0.334	0.150	20
	zysat10	R:/ math teacher satisfaction-pupil learr	0.158	0.505	20
	zysat12	R:/ math teacher satisfaction-school management qualit	-0.307	0.188	20
	zysat13	R:/ math teacher satisfaction-staff relationship	0.021	0.932	20
	zysat14	R:/ math teacher satisfaction-community relationship	0.118	0.621	20
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.045	0.849	20
	zysat16	R:/ math teacher satisfaction-further study	-0.231	0.327	20
MAN	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	-0.606	0.022	14
	zysat03	R:/ math teacher satisfaction-school building qualit	0.228	0.433	14
	zysat04	R:/ math teacher satisfaction-teacher house availability	-0.011	0.971	14
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.466	0.093	14
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.312	0.278	14
	zysat08	R:/ math teacher satisfaction-level of salary	-0.320	0.264	14
	zysat10	R:/ math teacher satisfaction-pupil learr	.(a)	.	14
	zysat12	R:/ math teacher satisfaction-school management qualit	-0.268	0.355	14
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.332	0.247	14
	zysat14	R:/ math teacher satisfaction-community relationship	.(a)	.	14
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.361	0.205	14
	zysat16	R:/ math teacher satisfaction-further study	-0.379	0.182	14
MAP	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	0.369	0.176	15
	zysat03	R:/ math teacher satisfaction-school building qualit	-0.175	0.533	15
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.471	0.076	15
	zysat05	R:/ math teacher satisfaction-teacher house quality	0.067	0.813	15
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.145	0.605	15
	zysat08	R:/ math teacher satisfaction-level of salary	-0.248	0.373	15
	zysat10	R:/ math teacher satisfaction-pupil learr	.(a)	.	15
	zysat12	R:/ math teacher satisfaction-school management qualit	0.334	0.223	15
	zysat13	R:/ math teacher satisfaction-staff relationship	0.074	0.792	15
	zysat14	R:/ math teacher satisfaction-community relationship	0.009	0.974	15
	zysat15	R:/ math teacher satisfaction-promotion opportunity	0.151	0.591	15
	zysat16	R:/ math teacher satisfaction-further study	0.389	0.152	15
NAM	matotp	SCR:/ Pupil math-all total raw score	1.000		20
	zysat01	R:/ math teacher satisfaction-distance	0.207	0.382	20
	zysat03	R:/ math teacher satisfaction-school building qualit	-0.120	0.615	20
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.156	0.512	20
	zysat05	R:/ math teacher satisfaction-teacher house quality	0.041	0.865	20
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	0.023	0.923	20
	zysat08	R:/ math teacher satisfaction-level of salary	0.153	0.521	20
	zysat10	R:/ math teacher satisfaction-pupil learr	0.008	0.973	20
	zysat12	R:/ math teacher satisfaction-school management qualit	0.145	0.542	20
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.148	0.532	20
	zysat14	R:/ math teacher satisfaction-community relationship	-0.006	0.979	20
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.163	0.491	20
	zysat16	R:/ math teacher satisfaction-further study	0.022	0.927	20
NIA	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	0.062	0.834	14
	zysat03	R:/ math teacher satisfaction-school building qualit	0.227	0.434	14
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.276	0.339	14



	zysat05	R:/ math teacher satisfaction-teacher house quality	0.173	0.555	14
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.027	0.928	14
	zysat08	R:/ math teacher satisfaction-level of salary	0.369	0.195	14
	zysat10	R:/ math teacher satisfaction-pupil learn	0.107	0.716	14
	zysat12	R:/ math teacher satisfaction-school management quality	0.321	0.264	14
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.176	0.548	14
	zysat14	R:/ math teacher satisfaction-community relationship	0.279	0.334	14
	zysat15	R:/ math teacher satisfaction-promotion opportunity	0.111	0.706	14
	zysat16	R:/ math teacher satisfaction-further study	0.397	0.160	14
SOF	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	-0.370	0.193	14
	zysat03	R:/ math teacher satisfaction-school building quality	0.119	0.686	14
	zysat04	R:/ math teacher satisfaction-teacher house availability	-0.104	0.723	14
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.123	0.675	14
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.242	0.405	14
	zysat08	R:/ math teacher satisfaction-level of salary	0.135	0.647	14
	zysat10	R:/ math teacher satisfaction-pupil learn	-0.424	0.131	14
	zysat12	R:/ math teacher satisfaction-school management quality	-0.088	0.764	14
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.001	0.998	14
	zysat14	R:/ math teacher satisfaction-community relationship	.(a)	.	14
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.015	0.959	14
	zysat16	R:/ math teacher satisfaction-further study	-0.066	0.822	14
TET	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	0.329	0.231	15
	zysat03	R:/ math teacher satisfaction-school building quality	0.173	0.536	15
	zysat04	R:/ math teacher satisfaction-teacher house availability	-0.267	0.335	15
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.506	0.054	15
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.305	0.268	15
	zysat08	R:/ math teacher satisfaction-level of salary	-0.248	0.372	15
	zysat10	R:/ math teacher satisfaction-pupil learn	0.172	0.540	15
	zysat12	R:/ math teacher satisfaction-school management quality	-0.263	0.344	15
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.142	0.613	15
	zysat14	R:/ math teacher satisfaction-community relationship	0.057	0.839	15
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.395	0.145	15
	zysat16	R:/ math teacher satisfaction-further study	-0.231	0.407	15
ZAM	matotp	SCR:/ Pupil math-all total raw score	1.000		18
	zysat01	R:/ math teacher satisfaction-distance	-0.184	0.464	18
	zysat03	R:/ math teacher satisfaction-school building quality	-0.285	0.252	18
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.232	0.355	18
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.379	0.121	18
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.087	0.730	18
	zysat08	R:/ math teacher satisfaction-level of salary	-0.131	0.605	18
	zysat10	R:/ math teacher satisfaction-pupil learn	.(a)	.	18
	zysat12	R:/ math teacher satisfaction-school management quality	-0.481	0.043	18
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.058	0.820	18
	zysat14	R:/ math teacher satisfaction-community relationship	0.143	0.571	18
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.026	0.918	18
	zysat16	R:/ math teacher satisfaction-further study	.(a)	.	18

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)



a Cannot be computed because at least one of the variables is constant



**APPENDIX 59**  
**MOZAMBIQUE BEHAVIOURAL DOMAIN - READING**

Prov	Variables	Description	Pearson Correlation	Sig. (2-tailed)	N	
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14	
	fx1trac	Reading Teacher activities (factor)	-0.366	0.199	14	
	fx1trappr	Teacher reading approach (factor)	0.384	0.175	14	
	fx1zsacthd	School head activities (factor)	0.438	0.117	14	
	fx1zsschac	School activities (factor)	-0.159	0.588	14	
	fx2trac	Reading Teacher activities (factor)	-0.166	0.570	14	
	fx2trappr	Teacher reading approach (factor)	-0.361	0.205	14	
	fx2zsacthd	School head activities (factor)	0.206	0.481	14	
	fx2zsschac	School activities (factor)	-0.192	0.511	14	
	pabsent	P/days absent	0.117	0.690	14	
	sexpall	School head years of experience - altogether	-0.218	0.455	14	
	sexptch	School head years of teaching	-0.281	0.330	14	
	sexpthis	School head experience in this school	0.250	0.388	14	
	slost	S/lost days	0.088	0.765	14	
	tractmos	T/most important reading activity	0.108	0.713	14	
	trgoalmo	T/most important reading goal	-0.203	0.487	14	
	xmeeusua	T/pup's parents meet/year	-0.568	<u>0.034</u>	14	
	zpabwhy2	R:/ reason absent-ill	0.011	0.969	14	
	zpabwhy3	R:/ reason absent-family	-0.390	0.169	14	
	zpabwhy4	R:/ reason absent-work	-0.359	0.208	14	
	zpabwhy6	R:/ reason absent-fee not paid	-0.230	0.429	14	
	zpenglis	R:/ speaking English at home	0.125	0.670	14	
	ztrepeng	R:/ reading teacher reporting comments on English	-0.002	0.995	14	
	zttestre	R:/ reading teacher frequency giving written reading test	0.104	0.723	14	
	zxmeet	R:/ reading teacher frequency meeting parents	-0.301	0.296	14	
	xexper	T/years of teaching	-0.173	0.553	14	
	xoutwork	T/hours outside	-0.123	0.675	14	
	GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
		fx1trac	Reading Teacher activities (factor)	0.273	0.344	14
		fx1trappr	Teacher reading approach (factor)	0.074	0.800	14
fx1zsacthd		School head activities (factor)	0.465	0.080	15	
fx1zsschac		School activities (factor)	0.064	0.821	15	
fx2trac		Reading Teacher activities (factor)	-0.282	0.329	14	
fx2trappr		Teacher reading approach (factor)	0.222	0.447	14	
fx2zsacthd		School head activities (factor)	0.541	<u>0.037</u>	15	
fx2zsschac		School activities (factor)	0.091	0.747	15	
pabsent		P/days absent	-0.377	0.166	15	
sexpall		School head years of experience - altogether	0.051	0.858	15	
sexptch		School head years of teaching	0.012	0.967	15	
sexpthis		School head experience in this school	0.672	<u>0.006</u>	15	
slost		S/lost days	0.340	0.215	15	
tractmos		T/most important reading activity	0.248	0.393	14	
trgoalmo		T/most important reading goal	0.589	<u>0.027</u>	14	
xmeeusua		T/pup's parents meet/year	0.396	0.161	14	
zpabwhy2		R:/ reason absent-ill	0.379	0.164	15	
zpabwhy3		R:/ reason absent-family	-0.220	0.430	15	
zpabwhy4		R:/ reason absent-work	-0.610	<u>0.016</u>	15	
zpabwhy6	R:/ reason absent-fee not paid	-0.199	0.478	15		
zpenglis	R:/ speaking English at home	0.186	0.508	15		
ztrepeng	R:/ reading teacher reporting comments on English	0.179	0.541	14		
zttestre	R:/ reading teacher frequency giving written reading test	0.589	<u>0.027</u>	14		



	zxmeet	R:/ reading teacher frequency meeting parents	0.547	<u>0.043</u>	14
	xexper	T/years of teaching	0.185	0.527	14
	xoutwork	T/hours outside	-0.077	0.795	14
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	fx1trac	Reading Teacher activities (factor)	-0.381	0.179	14
	fx1trappr	Teacher reading approach (factor)	-0.010	0.974	14
	fx1zsacthd	School head activities (factor)	0.402	0.173	13
	fx1zsschac	School activities (factor)	-0.385	0.193	13
	fx2trac	Reading Teacher activities (factor)	0.166	0.571	14
	fx2trappr	Teacher reading approach (factor)	-0.044	0.882	14
	fx2zsacthd	School head activities (factor)	-0.069	0.823	13
	fx2zsschac	School activities (factor)	-0.313	0.297	13
	pabsent	P/days absent	-0.644	<u>0.013</u>	14
	sexpall	School head years of experience - altogether	-0.449	0.124	13
	sexptch	School head years of teaching	0.056	0.857	13
	sexpthis	School head experience in this school	-0.247	0.417	13
	slost	S/lost days	0.041	0.894	13
	tractmos	T/most important reading activity	-0.193	0.507	14
	trgoalmo	T/most important reading goal	-0.446	0.110	14
	xmeeusua	T/pup's parents meet/year	-0.192	0.511	14
	zpabwhy2	R:/ reason absent-ill	0.124	0.672	14
	zpabwhy3	R:/ reason absent-family	0.126	0.668	14
	zpabwhy4	R:/ reason absent-work	-0.235	0.420	14
	zpabwhy6	R:/ reason absent-fee not paid	-0.268	0.354	14
	zpenglis	R:/ speaking English at home	0.611	<u>0.020</u>	14
	ztrepeng	R:/ reading teacher reporting comments on English	0.180	0.539	14
	zttestre	R:/ reading teacher frequency giving written reading test	0.267	0.356	14
	zxmeet	R:/ reading teacher frequency meeting parents	0.199	0.495	14
	xexper	T/years of teaching	0.447	0.109	14
	xoutwork	T/hours outside	0.367	0.197	14
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	fx1trac	Reading Teacher activities (factor)	0.354	0.126	20
	fx1trappr	Teacher reading approach (factor)	-0.054	0.821	20
	fx1zsacthd	School head activities (factor)	-0.275	0.269	18
	fx1zsschac	School activities (factor)	-0.031	0.904	18
	fx2trac	Reading Teacher activities (factor)	0.458	<u>0.042</u>	20
	fx2trappr	Teacher reading approach (factor)	0.228	0.334	20
	fx2zsacthd	School head activities (factor)	0.394	0.106	18
	fx2zsschac	School activities (factor)	0.098	0.698	18
	pabsent	P/days absent	0.192	0.416	20
	sexpall	School head years of experience - altogether	-0.120	0.634	18
	sexptch	School head years of teaching	0.134	0.596	18
	sexpthis	School head experience in this school	-0.141	0.578	18
	slost	S/lost days	-0.089	0.727	18
	tractmos	T/most important reading activity	-0.130	0.585	20
	trgoalmo	T/most important reading goal	-0.362	0.116	20
	xmeeusua	T/pup's parents meet/year	0.070	0.770	20
	zpabwhy2	R:/ reason absent-ill	-0.101	0.670	20
	zpabwhy3	R:/ reason absent-family	0.290	0.215	20
	zpabwhy4	R:/ reason absent-work	-0.044	0.853	20
	zpabwhy6	R:/ reason absent-fee not paid	-0.174	0.463	20
	zpenglis	R:/ speaking English at home	0.075	0.754	20
	ztrepeng	R:/ reading teacher reporting comments on English	0.218	0.356	20
	zttestre	R:/ reading teacher frequency giving written reading test	-0.130	0.585	20
	zxmeet	R:/ reading teacher frequency meeting parents	-0.091	0.702	20





	xexper	T/years of teaching	0.072	0.761	20
	xoutwork	T/hours outside	-0.546	<u>0.013</u>	20
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.437	0.118	14
	fx1trappr	Teacher reading approach (factor)	-0.250	0.388	14
	fx1zsacthd	School head activities (factor)	-0.077	0.822	11
	fx1zsschac	School activities (factor)	0.387	0.240	11
	fx2trac	Reading Teacher activities (factor)	-0.001	0.996	14
	fx2trappr	Teacher reading approach (factor)	-0.652	<u>0.011</u>	14
	fx2zsacthd	School head activities (factor)	0.240	0.476	11
	fx2zsschac	School activities (factor)	-0.347	0.296	11
	pabsent	P/days absent	0.587	<u>0.021</u>	15
	sexpall	School head years of experience - altogether	-0.596	0.053	11
	sexptch	School head years of teaching	0.075	0.826	11
	sexpthis	School head experience in this school	-0.418	0.201	11
	slost	S/lost days	0.645	<u>0.032</u>	11
	tractmos	T/most important reading activity	0.235	0.418	14
	trgoalmo	T/most important reading goal	-0.032	0.913	14
	xmeeusua	T/pup's parents meet/year	0.173	0.554	14
	zpabwhy2	R:/ reason absent-ill	-0.104	0.712	15
	zpabwhy3	R:/ reason absent-family	-0.120	0.670	15
	zpabwhy4	R:/ reason absent-work	-0.283	0.307	15
	zpabwhy6	R:/ reason absent-fee not paid	0.361	0.186	15
	zpenglis	R:/ speaking English at home	0.387	0.154	15
	ztrepeng	R:/ reading teacher reporting comments on English	0.418	0.137	14
	zttestre	R:/ reading teacher frequency giving written reading test	0.178	0.543	14
	zxmeet	R:/ reading teacher frequency meeting parents	-0.355	0.212	14
	xexper	T/years of teaching	-0.171	0.559	14
	xoutwork	T/hours outside	0.553	<u>0.040</u>	14
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	-0.106	0.708	15
	fx1trappr	Teacher reading approach (factor)	0.404	0.136	15
	fx1zsacthd	School head activities (factor)	0.374	0.169	15
	fx1zsschac	School activities (factor)	-0.084	0.765	15
	fx2trac	Reading Teacher activities (factor)	0.073	0.796	15
	fx2trappr	Teacher reading approach (factor)	-0.070	0.805	15
	fx2zsacthd	School head activities (factor)	-0.392	0.149	15
	fx2zsschac	School activities (factor)	0.445	0.097	15
	pabsent	P/days absent	0.138	0.625	15
	sexpall	School head years of experience - altogether	-0.062	0.825	15
	sexptch	School head years of teaching	0.519	<u>0.048</u>	15
	sexpthis	School head experience in this school	-0.135	0.632	15
	slost	S/lost days	0.155	0.582	15
	tractmos	T/most important reading activity	0.077	0.784	15
	trgoalmo	T/most important reading goal	-0.202	0.469	15
	xmeeusua	T/pup's parents meet/year	-0.065	0.818	15
	zpabwhy2	R:/ reason absent-ill	0.318	0.247	15
	zpabwhy3	R:/ reason absent-family	-0.293	0.289	15
	zpabwhy4	R:/ reason absent-work	-0.116	0.680	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.646	<u>0.009</u>	15
	zpenglis	R:/ speaking English at home	0.057	0.840	15
	ztrepeng	R:/ reading teacher reporting comments on English	0.368	0.177	15
	zttestre	R:/ reading teacher frequency giving written reading test	0.613	<u>0.015</u>	15
	zxmeet	R:/ reading teacher frequency meeting parents	-0.392	0.148	15
	xexper	T/years of teaching	0.183	0.515	15



	xoutwork	T/hours outside	0.310	0.262	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	fx1trac	Reading Teacher activities (factor)	0.082	0.730	20
	fx1trappr	Teacher reading approach (factor)	0.504	<u>0.023</u>	20
	fx1zsacthd	School head activities (factor)	0.164	0.491	20
	fx1zsschac	School activities (factor)	0.162	0.496	20
	fx2trac	Reading Teacher activities (factor)	0.192	0.417	20
	fx2trappr	Teacher reading approach (factor)	-0.101	0.671	20
	fx2zsacthd	School head activities (factor)	-0.246	0.296	20
	fx2zsschac	School activities (factor)	-0.207	0.382	20
	pabsent	P/days absent	-0.037	0.876	20
	sexpall	School head years of experience - altogether	0.043	0.858	20
	sexptch	School head years of teaching	0.143	0.549	20
	sexpthis	School head experience in this school	-0.009	0.969	20
	slost	S/lost days	0.088	0.713	20
	tractmos	T/most important reading activity	0.201	0.395	20
	trgoalmo	T/most important reading goal	-0.031	0.898	20
	xmeeusua	T/pup's parents meet/year	-0.238	0.311	20
	zpabwhy2	R:/ reason absent-ill	-0.130	0.597	19
	zpabwhy3	R:/ reason absent-family	-0.187	0.443	19
	zpabwhy4	R:/ reason absent-work	-0.441	0.058	19
	zpabwhy6	R:/ reason absent-fee not paid	-0.013	0.959	19
	zpenglis	R:/ speaking English at home	0.403	0.078	20
	ztrepeng	R:/ reading teacher reporting comments on English	-0.448	<u>0.048</u>	20
	zttestre	R:/ reading teacher frequency giving written reading test	-0.305	0.192	20
	zxmeet	R:/ reading teacher frequency meeting parents	-0.200	0.398	20
	xexper	T/years of teaching	-0.106	0.656	20
	xoutwork	T/hours outside	0.202	0.394	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.145	0.605	15
	fx1trappr	Teacher reading approach (factor)	-0.073	0.797	15
	fx1zsacthd	School head activities (factor)	0.482	0.081	14
	fx1zsschac	School activities (factor)	-0.063	0.832	14
	fx2trac	Reading Teacher activities (factor)	-0.090	0.749	15
	fx2trappr	Teacher reading approach (factor)	0.152	0.589	15
	fx2zsacthd	School head activities (factor)	-0.286	0.321	14
	fx2zsschac	School activities (factor)	-0.166	0.571	14
	pabsent	P/days absent	-0.331	0.228	15
	sexpall	School head years of experience - altogether	-0.170	0.561	14
	sexptch	School head years of teaching	0.324	0.258	14
	sexpthis	School head experience in this school	-0.121	0.680	14
	slost	S/lost days	-0.520	0.056	14
	tractmos	T/most important reading activity	0.216	0.439	15
	trgoalmo	T/most important reading goal	0.187	0.504	15
	xmeeusua	T/pup's parents meet/year	-0.243	0.383	15
	zpabwhy2	R:/ reason absent-ill	-0.379	0.163	15
	zpabwhy3	R:/ reason absent-family	-0.285	0.304	15
	zpabwhy4	R:/ reason absent-work	-0.040	0.887	15
	zpabwhy6	R:/ reason absent-fee not paid	0.157	0.576	15
	zpenglis	R:/ speaking English at home	0.505	0.055	15
	ztrepeng	R:/ reading teacher reporting comments on English	-0.121	0.667	15
	zttestre	R:/ reading teacher frequency giving written reading test	-0.297	0.283	15
	zxmeet	R:/ reading teacher frequency meeting parents	0.119	0.674	15
	xexper	T/years of teaching	0.368	0.177	15
	xoutwork	T/hours outside	0.019	0.946	15



SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.093	0.752	14
	fx1trappr	Teacher reading approach (factor)	-0.239	0.411	14
	fx1zsacthd	School head activities (factor)	0.495	0.061	15
	fx1zsschac	School activities (factor)	0.251	0.367	15
	fx2trac	Reading Teacher activities (factor)	0.009	0.975	14
	fx2trappr	Teacher reading approach (factor)	-0.159	0.587	14
	fx2zsacthd	School head activities (factor)	-0.257	0.356	15
	fx2zsschac	School activities (factor)	0.087	0.759	15
	pabsent	P/days absent	0.266	0.338	15
	sexpall	S/sh altogether	-0.518	<u>0.048</u>	15
	sexptch	S/years teaching	-0.122	0.665	15
	sexpthis	S/sh this school	-0.403	0.136	15
	slost	S/lost days	0.068	0.810	15
	tractmos	T/most important reading activity	0.096	0.744	14
	trgoalmo	T/most important reading goal	0.032	0.913	14
	xmeeusua	T/pup's parents meet/year	-0.031	0.916	14
	zpabwhy2	R:/ reason absent-ill	-0.367	0.178	15
	zpabwhy3	R:/ reason absent-family	0.238	0.394	15
	zpabwhy4	R:/ reason absent-work	-0.547	<u>0.035</u>	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.147	0.602	15
	zpenglis	R:/ speaking English at home	0.539	<u>0.038</u>	15
	ztrepeng	R:/ reading teacher reporting comments on English	0.031	0.916	14
	zttestre	R:/ reading teacher frequency giving written reading test	0.213	0.464	14
	zxmeet	R:/ reading teacher frequency meeting parents	-0.230	0.428	14
	xexper	T/years of teaching	-0.008	0.979	14
	xoutwork	T/hours outside	0.406	0.149	14
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.231	0.407	15
	fx1trappr	Teacher reading approach (factor)	0.202	0.470	15
	fx1zsacthd	School head activities (factor)	0.594	<u>0.020</u>	15
	fx1zsschac	School activities (factor)	-0.372	0.172	15
	fx2trac	Reading Teacher activities (factor)	0.358	0.190	15
	fx2trappr	Teacher reading approach (factor)	0.109	0.699	15
	fx2zsacthd	School head activities (factor)	-0.021	0.941	15
	fx2zsschac	School activities (factor)	0.269	0.332	15
	pabsent	P/days absent	-0.016	0.955	15
	sexpall	School head years of experience - altogether	-0.008	0.976	15
	sexptch	School head years of teaching	0.036	0.898	15
	sexpthis	School head experience in this school	-0.045	0.874	15
	slost	S/lost days	-0.136	0.629	15
	tractmos	T/most important reading activity	-0.137	0.627	15
	trgoalmo	T/most important reading goal	0.179	0.522	15
	xmeeusua	T/pup's parents meet/year	0.211	0.451	15
	zpabwhy2	R:/ reason absent-ill	-0.461	0.083	15
	zpabwhy3	R:/ reason absent-family	-0.270	0.330	15
	zpabwhy4	R:/ reason absent-work	0.383	0.159	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.556	<u>0.031</u>	15
	zpenglis	R:/ speaking English at home	0.294	0.287	15
	ztrepeng	R:/ reading teacher reporting comments on English	-0.147	0.601	15
	zttestre	R:/ reading teacher frequency giving written reading test	0.573	<u>0.026</u>	15
	zxmeet	R:/ reading teacher frequency meeting parents	-0.391	0.150	15
	xexper	T/years of teaching	0.082	0.770	15
	xoutwork	T/hours outside	0.102	0.718	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18



fx1trac	Reading teacher activities (factor)	0.273	0.272	18
fx1trappr	Teacher reading approach (factor)	0.271	0.277	18
fx1zsacthd	School head activities (factor)	0.613	0.007	18
fx1zsschac	School activities (factor)	0.538	0.021	18
fx2trac	Reading Teacher activities (factor)	-0.235	0.348	18
fx2trappr	Teacher reading approach (factor)	-0.152	0.547	18
fx2zsacthd	School head activities (factor)	0.288	0.246	18
fx2zsschac	School activities (factor)	-0.055	0.827	18
pabsent	P/days absent	-0.148	0.557	18
sexpall	School head years of experience - altogether	-0.294	0.236	18
sexptch	School head years of teaching	0.017	0.948	18
sexpthis	School head experience in this school	-0.410	0.091	18
slost	S/lost days	-0.128	0.613	18
tractmos	T/most important reading activity	-0.118	0.641	18
trgoalmo	T/most important reading goal	0.051	0.841	18
xmeeusua	T/pup's parents meet/year	0.017	0.946	18
zpabwhy2	R:/ reason absent-ill	-0.350	0.154	18
zpabwhy3	R:/ reason absent-family	0.059	0.815	18
zpabwhy4	R:/ reason absent-work	-0.022	0.932	18
zpabwhy6	R:/ reason absent-fee not paid	0.315	0.203	18
zpenglis	R:/ speaking English at home	-0.047	0.854	18
ztrepeng	R:/ reading teacher reporting comments on English	-0.405	0.096	18
zttestre	R:/ reading teacher frequency giving written reading test	0.181	0.473	18
zxmeet	R:/ reading teacher frequency meeting parents	0.135	0.594	18
xexper	T/years of teaching	0.133	0.598	18
xoutwork	T/hours outside	0.268	0.282	18

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

## APPENDIX 59

### MOAMBIQUE BEHAVIOURAL DOMAIN - MATHEMATICS

Prov	Variables	Description	Corr	Sig	N
CAB	matotp	SCR:/ pupil math-all total raw score	1.000		14
	pabsent	P/days absent	0.103	0.725	14
	zpabwhy2	R:/ reason absent-ill	-0.161	0.583	14
	zpabwhy3	R:/ reason absent-family	-0.053	0.857	14
	zpabwhy4	R:/ reason absent-work	-0.236	0.418	14
	zpabwhy6	R:/ reason absent-fee not paid	-0.401	0.156	14
	zpenglis	R:/ speaking English at home	0.183	0.530	14
	yexper	T/years of teaching	0.153	0.602	14
	youtwork	T/hours outside	-0.398	0.159	14
	zymeet	R:/ math teacher frequency meeting parents	-0.283	0.326	14
	fy1tmappr	Teacher math approach (factor)	-0.530	0.051	14
	fyzsacthd	School head activities (factor)	0.157	0.591	14
	fy2tmappr	Teacher math approach (factor)	0.285	0.323	14
	fy2tmact	Math teacher activities (factor)	0.192	0.511	14
	ztrepmat	R:/ math teacher reporting comments on math	-0.059	0.841	14
	tmactmos	T/most important math activity	0.259	0.372	14
	tmgoalmo	T/most important math goal	-0.077	0.793	14
	zttestma	R:/ Math teacher frequency giving written math test	-0.038	0.896	14
	sexpall	School head years of experience - altogether	0.066	0.822	14
	sexptch	School head years of teaching	-0.085	0.772	14
	sexpthis	School head experience in this school	0.316	0.271	14
	slost	S/lost days	0.405	0.151	14
	fy1zsschact	School activities (factor)	-0.210	0.471	14



	fy2zsschac	School activities (factor)	-0.217	0.455	14
GAZ	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	-0.377	0.166	15
	zpabwhy2	R:/ reason absent-ill	0.239	0.391	15
	zpabwhy3	R:/ reason absent-family	-0.087	0.758	15
	zpabwhy4	R:/ reason absent-work	-0.788	<u>0.000</u>	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.141	0.615	15
	zpenglis	R:/ speaking English at home	0.236	0.397	15
	yexper	T/years of teaching	0.249	0.391	14
	youtwork	T/hours outside	-0.155	0.598	14
	zymeet	R:/ Math teacher frequency meeting parents	0.169	0.563	14
	fy1tmappr	Teacher math approach (factor)	-0.240	0.408	14
	fy1zsacthd	School head activities (factor)	0.521	<u>0.046</u>	15
	fy2zsacthd	School head activities (factor)	0.740	<u>0.002</u>	15
	fy2tmact	Math teacher activities (factor)	-0.519	0.057	14
	ztrepmat	R:/ math teacher reporting comments on math	0.418	0.137	14
	tmactmos	T/most important math activity	-0.215	0.461	14
	tmgoalmo	T/most important math goal	-0.338	0.237	14
	ztestma	R:/ math teacher frequency giving written math test	0.377	0.184	14
	sexpall	S/sh altogether	0.324	0.238	15
	sexptch	S/years teaching	0.181	0.519	15
	sexpthis	S/sh this school	0.541	<u>0.037</u>	15
	slost	S/lost days	0.349	0.202	15
	fy1zsschact	School activities (factor)	-0.032	0.910	15
	fy2zsschac	School activities (factor)	0.060	0.832	15
INH	matotp	SCR:/ pupil math-all total raw score	1.000		14
	pabsent	P/days absent	-0.489	0.076	14
	zpabwhy2	R:/ reason absent-ill	0.239	0.410	14
	zpabwhy3	R:/ reason absent-family	-0.010	0.972	14
	zpabwhy4	R:/ reason absent-work	-0.198	0.497	14
	zpabwhy6	R:/ reason absent-fee not paid	0.019	0.949	14
	zpenglis	R:/ speaking English at home	0.455	0.102	14
	yexper	T/years of teaching	0.244	0.421	13
	youtwork	T/hours outside	-0.297	0.325	13
	zymeet	R:/ math teacher frequency meeting parents	0.313	0.298	13
	fy1tmappr	Teacher math approach (factor)	0.490	0.089	13
	fyzsacthd	School head activities (factor)	0.275	0.364	13
	fy2zsacthd	School head activities (factor)	0.210	0.491	13
	fy2tmappr	Teacher math approach (factor)	-0.407	0.167	13
	ztrepmat	R:/ math teacher reporting comments on math	-0.291	0.335	13
	tmactmos	T/most important math activity	-0.016	0.958	13
	tmgoalmo	T/most important math goal	-0.134	0.662	13
	ztestma	R:/ math teacher frequency giving written math test	-0.124	0.687	13
	sexpall	School head years of experience - altogether	-0.138	0.654	13
	sexptch	School head years of teaching	0.214	0.482	13
	sexpthis	School head experience in this school	-0.166	0.589	13
	slost	S/lost days	-0.214	0.482	13
	fyzsschact	School activities (factor)	-0.162	0.598	13
MAC	matotp	SCR:/ pupil math-all total raw score	1.000		20
	pabsent	P/days absent	0.269	0.251	20
	zpabwhy2	R:/ reason absent-ill	0.264	0.261	20
	zpabwhy3	R:/ reason absent-family	-0.001	0.997	20
	zpabwhy4	R:/ reason absent-work	-0.077	0.746	20
	zpabwhy6	R:/ reason absent-fee not paid	-0.145	0.543	20
	zpenglis	R:/ speaking English at home	0.151	0.525	20
	yexper	T/years of teaching	0.038	0.874	20



	youtwork	T/hours outside	0.386	0.093	20
	zymeet	R:/ math teacher frequency meeting parents	.(a)	.	20
	fy1tmappr	Teacher math approach (factor)	0.271	0.248	20
	fy1zsacthd	School head activities (factor)	-0.330	0.181	18
	fy2tmappr	Teacher math approach (factor)	0.046	0.848	20
	fy1tmact	Math teacher activities (factor)	0.147	0.537	20
	fy2tmact	Math teacher activities (factor)	-0.151	0.525	20
	ztrepmat	R:/ math teacher reporting comments on math	0.352	0.129	20
	tmactmos	T/most important math activity	0.256	0.276	20
	tmgoalmo	T/most important math goal	0.043	0.858	20
	zttestma	R:/ Math teacher frequency giving written math test	0.148	0.533	20
	sexpall	School head years of experience - altogether	0.195	0.437	18
	sexptch	School head years of teaching	0.246	0.325	18
	sexpthis	School head experience in this school	-0.265	0.287	18
	slost	S/lost days	0.354	0.149	18
	fy1zsschact	School activities (factor)	-0.045	0.859	18
	fy2zsschac	School activities (factor)	-0.305	0.218	18
MAN	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.624	0.013	15
	zpabwhy2	R:/ reason absent-ill	-0.452	0.091	15
	zpabwhy3	R:/ reason absent-family	0.228	0.413	15
	zpabwhy4	R:/ reason absent-work	-0.259	0.350	15
	zpabwhy6	R:/ reason absent-fee not paid	0.345	0.208	15
	zpenglis	R:/ speaking English at home	0.363	0.184	15
	yexper	T/years of teaching	-0.263	0.364	14
	youtwork	T/hours outside	0.127	0.665	14
	zymeet	R:/ math teacher frequency meeting parents	-0.055	0.851	14
	fy1tmappr	Teacher math approach (factor)	0.261	0.367	14
	fy1zsacthd	School head activities (factor)	0.092	0.788	11
	fy2tmappr	Teacher math approach (factor)	0.294	0.307	14
	fy1tmact	Math teacher activities (factor)	-0.362	0.203	14
	fy2tmact	Math teacher activities (factor)	-0.437	0.119	14
	ztrepmat	R:/ math teacher reporting comments on math	-0.364	0.201	14
	tmactmos	T/most important math activity	-0.144	0.623	14
	tmgoalmo	T/most important math goal	0.459	0.099	14
	zttestma	R:/ math teacher frequency giving written math test	-0.520	0.057	14
	sexpall	School head years of experience - altogether	-0.624	0.040	11
	sexptch	School head years of teaching	-0.187	0.582	11
	sexpthis	School head experience in this school	-0.418	0.200	11
	slost	S/lost days	0.385	0.242	11
	fy1zsschact	School activities (factor)	0.332	0.319	11
	fy2zsschac	School activities (factor)	-0.178	0.602	11
MAP	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	-0.086	0.759	15
	zpabwhy2	R:/ reason absent-ill	0.212	0.449	15
	zpabwhy3	R:/ reason absent-family	-0.120	0.671	15
	zpabwhy4	R:/ reason absent-work	0.119	0.673	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.263	0.345	15
	zpenglis	R:/ speaking English at home	-0.233	0.404	15
	yexper	T/years of teaching	-0.002	0.994	15
	youtwork	T/hours outside	-0.281	0.311	15
	zymeet	R:/ math teacher frequency meeting parents	0.305	0.269	15
	fy1tmappr	Teacher math approach (factor)	0.393	0.147	15
	fy1zsacthd	School head activities (factor)	0.418	0.121	15
	fy2zsacthd	School head activities (factor)	-0.408	0.131	15
	fy2tmappr	Teacher math approach (factor)	-0.314	0.254	15



	fy1tmact	Reading Teacher activities (factor)	0.308	0.263	15
	fy2tmact	Reading Teacher activities (factor)	0.143	0.612	15
	ztrepmat	R:/ math teacher reporting comments on math	0.351	0.200	15
	tmactmos	T/most important math activity	-0.335	0.222	15
	tmgoalmo	T/most important math goal	0.435	0.105	15
	ztestma	R:/ math teacher frequency giving written math test	0.045	0.874	15
	sexpall	School head years of experience - altogether	-0.175	0.533	15
	sexptch	School head years of teaching	0.508	0.053	15
	sexpthis	School head experience in this school	-0.243	0.383	15
	slost	S/lost days	-0.302	0.274	15
	fy1zsschact	School activities (factor)	-0.259	0.352	15
	fy2zsschac	School activities (factor)	0.313	0.256	15
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		20
	pabsent	P/days absent	0.203	0.391	20
	zpabwhy2	R:/ reason absent-ill	-0.212	0.383	19
	zpabwhy3	R:/ reason absent-family	0.199	0.415	19
	zpabwhy4	R:/ reason absent-work	-0.413	0.079	19
	zpabwhy6	R:/ reason absent-fee not paid	-0.291	0.226	19
	zpenglis	R:/ speaking English at home	0.447	0.048	20
	yexper	T/years of teaching	-0.285	0.223	20
	youtwork	T/hours outside	0.068	0.777	20
	zymeet	R:/ math teacher frequency meeting parents	0.038	0.875	20
	fy1tmappr	Teacher math approach (factor)	0.138	0.563	20
	fy1zsacthd	School head activities (factor)	0.363	0.116	20
	fy2zsacthd	School head activities (factor)	-0.433	0.056	20
	fy2tmappr	Teacher math approach (factor)	-0.280	0.231	20
	fy1tmact	Math teacher eacher activities (factor)	-0.153	0.520	20
	fy2tmact	Math teacher activities (factor)	-0.314	0.177	20
	ztrepmat	R:/ math teacher reporting comments on math	0.418	0.066	20
	tmactmos	T/most important math activity	-0.086	0.718	20
	tmgoalmo	T/most important math goal	-0.011	0.963	20
	ztestma	R:/ math teacher frequency giving written math test	-0.366	0.113	20
	sexpall	School head years of experience - altogether	-0.199	0.401	20
	sexptch	School head years of teaching	-0.190	0.422	20
	sexpthis	School head experience in this school	0.050	0.833	20
	slost	S/lost days	0.089	0.709	20
	fy1zsschact	School activities (factor)	0.091	0.702	20
	fy2zsschac	School activities (factor)	0.023	0.924	20
NIA	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.039	0.891	15
	zpabwhy2	R:/ reason absent-ill	-0.497	0.060	15
	zpabwhy3	R:/ reason absent-family	-0.090	0.750	15
	zpabwhy4	R:/ reason absent-work	0.058	0.838	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.016	0.955	15
	zpenglis	R:/ speaking English at home	0.516	0.049	15
	yexper	T/years of teaching	-0.530	0.051	14
	youtwork	T/hours outside	0.258	0.372	14
	zymeet	R:/ math teacher frequency meeting parents	-0.146	0.617	14
	fy1tmappr	Teacher math approach (factor)	0.004	0.990	14
	fy1zsacthd	School head activities (factor)	0.319	0.266	14
	fy2tmappr	Teacher math approach (factor)	-0.098	0.738	14
	fy1tmact	Math teacher activities (factor)	0.494	0.073	14
	fy2tmact	Math teacher activities (factor)	-0.068	0.819	14
	ztrepmat	R:/ math teacher reporting comments on math	0.087	0.769	14
	tmactmos	T/most important math activity	-0.488	0.076	14
	tmgoalmo	T/most important math goal	0.253	0.382	14



	zttestma	R:/ math teacher frequency giving written math test	-0.290	0.314	14
	sexpall	School head years of experience - altogether	-0.127	0.666	14
	sexptch	School head years of teaching	0.091	0.758	14
	sexpthis	School head experience in this school	0.324	0.258	14
	slost	S/lost days	-0.582	<u>0.029</u>	14
	fy1zsschact	School activities (factor)	-0.453	0.103	14
	fy2zsschac	School activities (factor)	-0.042	0.886	14
SOF	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.357	0.191	15
	zpabwhy2	R:/ reason absent-ill	-0.573	<u>0.025</u>	15
	zpabwhy3	R:/ reason absent-family	0.290	0.295	15
	zpabwhy4	R:/ reason absent-work	-0.473	0.075	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.233	0.403	15
	zpenglis	R:/ speaking English at home	0.523	<u>0.045</u>	15
	yexper	T/years of teaching	-0.149	0.612	14
	youtwork	T/hours outside	0.311	0.279	14
	zymeet	R:/ math teacher frequency meeting parents	-0.157	0.592	14
	fy1tmappr	Teacher math approach (factor)	-0.613	<u>0.020</u>	14
	fy1zsacthd	School head activities (factor)	0.298	0.280	15
	fy2zsacthd	School head activities (factor)	-0.203	0.469	15
	fy2tmappr	Teacher math approach (factor)	-0.263	0.363	14
	fy1tmact	Math teacher activities (factor)	-0.538	<u>0.047</u>	14
	ztrepmat	R:/ math teacher reporting comments on math	-0.345	0.227	14
	tmactmos	T/most important math activity	0.070	0.812	14
	tmgoalmo	T/most important math goal	0.366	0.198	14
	zttestma	R:/ math teacher frequency giving written math test	0.154	0.600	14
	sexpall	School head years of experience - altogether	-0.439	0.101	15
	sexptch	School head years of teaching	-0.322	0.242	15
	sexpthis	School head experience in this school	-0.411	0.128	15
	slost	S/lost days	0.146	0.604	15
	fy1zsschact	School activities (factor)	0.232	0.405	15
	fy2zsschac	School activities (factor)	-0.191	0.496	15
TET	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.251	0.366	15
	zpabwhy2	R:/ reason absent-ill	-0.694	<u>0.004</u>	15
	zpabwhy3	R:/ reason absent-family	0.274	0.323	15
	zpabwhy4	R:/ reason absent-work	0.273	0.325	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.245	0.380	15
	zpenglis	R:/ speaking English at home	0.323	0.241	15
	yexper	T/years of teaching	-0.374	0.170	15
	youtwork	T/hours outside	-0.071	0.802	15
	zymeet	R:/ math teacher frequency meeting parents	0.327	0.234	15
	fy1tmappr	Teacher math approach (factor)	0.268	0.333	15
	fy1zsacthd	School head activities (factor)	0.272	0.327	15
	fy2zsacthd	School head activities (factor)	-0.209	0.454	15
	fy2tmappr	Teacher math approach (factor)	-0.034	0.905	15
	fy1tmact	Teacher activities (factor)	0.208	0.457	15
	fy2tmact	Math teacher activities (factor)	-0.352	0.198	15
	ztrepmat	R:/ math teacher reporting comments on math	-0.446	0.095	15
	tmactmos	T/most important math activity	0.321	0.244	15
	tmgoalmo	T/most important math goal	0.425	0.114	15
	zttestma	R:/ math teacher frequency giving written math test	-0.349	0.203	15
	sexpall	School head years of experience - altogether	0.072	0.798	15
	sexptch	School head years of teaching	0.090	0.749	15
	sexpthis	School head experience in this school	-0.092	0.744	15
	slost	S/lost days	-0.189	0.499	15





	fy1zsschact	School activities (factor)	-0.188	0.502	15
	fy2zsschac	School activities (factor)	0.402	0.137	15
ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		18
	pabsent	P/days absent	0.108	0.671	18
	zpabwhy2	R:/ reason absent-ill	-0.171	0.497	18
	zpabwhy3	R:/ reason absent-family	-0.060	0.815	18
	zpabwhy4	R:/ reason absent-work	-0.053	0.836	18
	zpabwhy6	R:/ reason absent-fee not paid	0.188	0.456	18
	zpenglis	R:/ speaking English at home	-0.242	0.334	18
	yexper	T/years of teaching	0.162	0.520	18
	youtwork	T/hours outside	-0.084	0.741	18
	zymeet	R:/ math teacher frequency meeting parents	0.040	0.874	18
	fy1tmappr	Teacher math approach (factor)	0.169	0.503	18
	fy1zsacthd	School head activities (factor)	0.425	0.079	18
	fy2zsacthd	School head activities (factor)	0.254	0.308	18
	fy2tmappr	Teacher math approach (factor)	-0.191	0.448	18
	fy1tmact	Math teacher activities (factor)	-0.288	0.246	18
	fy2tmact	Math teacher activities (factor)	-0.350	0.154	18
	ztrepmat	R:/ math teacher reporting comments on math	-0.255	0.306	18
	tmactmos	T/most important math activity	0.177	0.482	18
	tmgoalmo	T/most important math goal	-0.308	0.214	18
	ztestma	R:/ math teacher frequency giving written math test	-0.210	0.403	18
	sexpall	S/sh altogether	-0.422	0.081	18
	sexptch	S/years teaching	-0.218	0.385	18
	sexpthis	S/sh this school	-0.446	0.064	18
	slost	S/lost days	-0.178	0.480	18
	fy1zsschact	School activities (factor)	0.360	0.142	18

\*\* Correlation is significant at the 0.01 level (2-tailed).  
\* Correlation is significant at the 0.05 level (2-tailed).



**APPENDIX 60**  
**SACMEQ COGNITIVE DOMAIN - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170
	ratott	SCR:/ teacher reading-all total raw score	0.342	<u>0.000</u>	168
	xqacad	S/qualification-academic	0.192	<u>0.012</u>	170
	fx2trgoal	Reading goals (factor)	0.112	0.146	170
	stchprim	S/Teachers (primary only)	-0.153	<u>0.047</u>	170
	stchseco	S/Teachers (secondary)	0.199	<u>0.009</u>	170
	stchtert	S/Teachers (tertiary)	0.291	<u>0.000</u>	170
	zstchaca	D:/ ratio teachers having tertiary academic education	0.207	<u>0.007</u>	170
	sqacadem	School head qualification-academic	0.319	<u>0.000</u>	170
	KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000	
ratott		SCR:/ teacher reading-all total raw score	0.127	0.094	175
xqacad		S/qualification-academic	0.031	0.679	175
fx2trgoal		Reading goals (factor)	0.107	0.160	175
stchprim		S/Teachers (primary only)	-0.127	0.087	184
stchseco		S/Teachers (secondary)	0.210	<u>0.004</u>	184
stchtert		S/Teachers (tertiary)	0.207	<u>0.005</u>	184
zstchaca		D:/ ratio teachers having tertiary academic education	0.141	0.056	184
sqacadem		School head qualification-academic	0.225	<u>0.002</u>	184
LES		ratotp	SCR:/ pupil reading-all total raw score	1.000	
	ratott	SCR:/ teacher reading-all total raw score	0.236	<u>0.002</u>	177
	xqacad	S/qualification-academic	0.050	0.507	177
	fx1trgoal	Reading goals (factor)	0.060	0.426	177
	stchprim	S/Teachers (primary only)	-0.096	0.206	177
	stchseco	S/Teachers (secondary)	0.182	<u>0.015</u>	177
	stchtert	S/Teachers (tertiary)	0.162	<u>0.031</u>	177
	zstchaca	D:/ ratio teachers having tertiary academic education	0.050	0.513	177
	sqacadem	School head qualification-academic	0.104	0.167	177
	MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000	
ratott		SCR:/ teacher reading-all total raw score	-0.113	0.190	137
xqacad		S/qualification-academic	-0.006	0.944	139
fx2trgoal		Reading goals (factor)	0.186	<u>0.028</u>	139
stchprim		S/Teachers (primary only)	0.057	0.507	140
stchseco		S/Teachers (secondary)	0.388	<u>0.000</u>	140
stchtert		S/Teachers (tertiary)	-0.024	0.780	140
zstchaca		D:/ ratio teachers having tertiary academic education	-0.034	0.691	140
sqacadem		School head qualification-academic	0.086	0.312	140
MAU		ratotp	SCR:/ pupil reading-all total raw score	1.000	
	ratott	SCR:/ teacher reading-all total raw score	.(a)	.	0
	xqacad	S/qualification-academic	-0.103	0.204	153
	fx1trgoal	Reading goals (factor)	-0.032	0.690	153
	stchprim	S/Teachers (primary only)	.(a)	.	153
	stchseco	S/Teachers (secondary)	0.461	<u>0.000</u>	153
	stchtert	S/Teachers (tertiary)	-0.009	0.912	153
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.091	0.261	153
	sqacadem	School head qualification-academic	-0.040	0.621	153
	MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000	
ratott		SCR:/ teacher reading-all total raw score	0.201	<u>0.008</u>	172
xqacad		S/qualification-academic	0.107	0.160	173
fx1trgoal		Reading goals (factor)	-0.089	0.247	173
stchprim		S/Teachers (primary only)	0.143	0.064	168



	stchseco	S/Teachers (secondary)	0.168	<u>0.029</u>	168
	stchtert	S/Teachers (tertiary)	0.139	0.072	168
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.171	<u>0.027</u>	168
	sqacadem	School head qualification-academic	0.175	<u>0.023</u>	168
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	ratott	SCR:/ teacher reading-all total raw score	0.482	<u>0.000</u>	269
	xqacad	S/qualification-academic	0.346	<u>0.000</u>	269
	fx1trgoal	Reading goals (factor)	0.151	<u>0.013</u>	269
	stchprim	S/Teachers (primary only)	0.078	0.200	270
	stchseco	S/Teachers (secondary)	0.040	0.517	270
	stchtert	S/Teachers (tertiary)	0.323	<u>0.000</u>	270
	zstchaca	D:/ ratio teachers having tertiary academic education	0.233	<u>0.000</u>	270
	sqacadem	School head qualification-academic	0.394	<u>0.000</u>	270
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	ratott	SCR:/ teacher reading-all total raw score	0.358	0.086	24
	xqacad	S/qualification-academic	0.379	0.068	24
	fx1trgoal	Reading goals (factor)	-0.299	0.156	24
	stchprim	S/Teachers (primary only)	-0.071	0.742	24
	stchseco	S/Teachers (secondary)	0.206	0.335	24
	stchtert	S/Teachers (tertiary)	-0.269	0.204	24
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.407	<u>0.048</u>	24
	sqacadem	School head qualification-academic	-0.198	0.354	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	ratott	SCR:/ teacher reading-all total raw score	.(a)	.	0
	xqacad	S/qualification-academic	0.300	<u>0.000</u>	164
	fx1trgoal	Reading goals (factor)	0.112	0.154	164
	fx2trgoal	Reading goals (factor)	0.115	0.144	164
	stchprim	S/Teachers (primary only)	-0.127	0.103	167
	stchseco	S/Teachers (secondary)	-0.203	<u>0.009</u>	167
	stchtert	S/Teachers (tertiary)	0.436	<u>0.000</u>	167
	zstchaca	D:/ ratio teachers having tertiary academic education	0.330	<u>0.000</u>	167
	sqacadem	School head qualification-academic	0.383	<u>0.000</u>	167
SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168
	ratott	SCR:/ teacher reading-all total raw score	0.092	0.241	164
	xqacad	S/qualification-academic	0.129	0.099	164
	fx1trgoal	Reading goals (factor)	-0.033	0.674	164
	stchprim	S/Teachers (primary only)	-0.019	0.806	168
	stchseco	S/Teachers (secondary)	-0.064	0.410	168
	stchtert	S/Teachers (tertiary)	0.162	<u>0.036</u>	168
	zstchaca	D:/ ratio teachers having tertiary academic education	0.099	0.203	168
	sqacadem	School head qualification-academic	0.113	0.144	168
TAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		181
	ratott	SCR:/ teacher reading-all total raw score	0.235	<u>0.002</u>	179
	xqacad	S/qualification-academic	0.069	0.359	179
	fx1trgoal	Reading goals (factor)	0.091	0.226	179
	stchprim	S/Teachers (primary only)	0.373	<u>0.000</u>	181
	stchseco	S/Teachers (secondary)	0.444	<u>0.000</u>	181
	stchtert	S/Teachers (tertiary)	0.129	0.082	181
	zstchaca	D:/ ratio teachers having tertiary academic education	0.017	0.818	181
	sqacadem	School head qualification-academic	0.171	<u>0.022</u>	181
UGA	ratotp	SCR:/ pupil reading-all total raw score	1.000		163
	ratott	SCR:/ teacher reading-all total raw score	0.067	0.402	159
	xqacad	S/qualification-academic	0.155	0.050	159
	fx1trgoal	Reading goals (factor)	0.135	0.090	159



	stchprim	S/Teachers (primary only)	0.075	0.341	163
	stchseco	S/Teachers (secondary)	0.013	0.873	163
	stchtert	S/Teachers (tertiary)	0.093	0.236	163
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.009	0.908	163
	sqacadem	School head qualification-academic	-0.005	0.946	163
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		173
	ratott	SCR:/ teacher reading-all total raw score	0.018	0.815	169
	xqacad	S/qualification-academic	-0.040	0.608	169
	fx1trgoal	Reading goals (factor)	0.173	<u>0.024</u>	169
	stchprim	S/Teachers (primary only)	0.337	<u>0.000</u>	169
	stchseco	S/Teachers (secondary)	0.323	<u>0.000</u>	169
	stchtert	S/Teachers (tertiary)	0.221	<u>0.004</u>	169
	zstchaca	D:/ ratio teachers having tertiary academic education	0.081	0.297	169
	sqacadem	School head qualification-academic	0.288	<u>0.000</u>	169
ZAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		145
	ratott	SCR:/ teacher reading-all total raw score	0.174	<u>0.043</u>	135
	xqacad	S/qualification-academic	0.078	0.362	140
	fx1trgoal	Reading goals (factor)	0.019	0.828	140
	stchprim	S/Teachers (primary only)	0.009	0.911	145
	stchseco	S/Teachers (secondary)	0.200	<u>0.016</u>	145
	stchtert	S/Teachers (tertiary)	0.074	0.374	145
	zstchaca	D:/ ratio teachers having tertiary academic education	0.053	0.524	145
	sqacadem	School head qualification-academic	-0.054	0.517	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.

## APPENDIX 60

### SACMEQ COGNITIVE DOMAIN - MATHEMATICS

Countries	Variables	Description	Pearson Cor	Sig	N
BOT	matotp	SCR:/ Pupils math-all total raw score	1.000		170
	matott	SCR:/ Teacher math-all total raw score	0.336	<u>0.000</u>	168
	ratotp	SCR:/ Pupil reading-all total raw score	0.880	<u>0.000</u>	170
	yqacad	T/Qualif-academic	0.167	<u>0.030</u>	170
	stchprim	S/Teachers (primary only)	-0.189	<u>0.014</u>	170
	stchseco	S/Teachers (secondary)	0.181	<u>0.018</u>	170
	stchtert	S/Teachers (tertiary)	0.267	<u>0.000</u>	170
	sqacadem	School head qualification-Academic	0.331	<u>0.000</u>	170
	zstchaca	D:/ ratio teachers having tertiary academic education	0.186	<u>0.015</u>	170
KEN	matotp	SCR:/ Pupils math-all total raw score	1.000		185
	matott	SCR:/ teacher math-all total raw score	0.078	0.297	180
	ratotp	SCR:/ pupil reading-all total raw score	0.895	<u>0.000</u>	185
	yqacad	T/Qualif-academic	0.069	0.355	180
	stchprim	S/Teachers (primary only)	-0.114	0.125	184
	stchseco	S/Teachers (secondary)	0.136	0.065	184
	stchtert	S/Teachers (tertiary)	0.178	<u>0.016</u>	184
	sqacadem	School head qualification-Academic	0.182	<u>0.013</u>	184
	zstchaca	D:/ ratio teachers having tertiary academic education	0.148	<u>0.045</u>	184
LES	matotp	SCR:/ Pupils math-all total raw score	1.000		177
	matott	SCR:/ teacher math-all total raw score	0.278	<u>0.000</u>	177
	ratotp	SCR:/ pupil reading-all total raw score	0.745	<u>0.000</u>	177
	yqacad	T/Qualif-academic	0.025	0.738	177
	stchprim	S/Teachers (primary only)	-0.011	0.880	177



	stchseco	S/Teachers (secondary)	0.088	0.247	177
	stchtert	S/Teachers (tertiary)	0.053	0.481	177
	sqacadem	School head qualification-Academic	-0.023	0.765	177
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.024	0.751	177
MAL	matotp	SCR:/ Pupils math-all total raw score	1.000		140
	matott	SCR:/ teacher math-all total raw score	0.034	0.701	129
	ratotp	SCR:/ pupil reading-all total raw score	0.629	<u>0.000</u>	140
	yqacad	T/Qualif-academic	0.025	0.769	136
	stchprim	S/Teachers (primary only)	0.012	0.885	140
	stchseco	S/Teachers (secondary)	0.324	<u>0.000</u>	140
	stchtert	S/Teachers (tertiary)	-0.088	0.304	140
	sqacadem	School head qualification-Academic	0.055	0.516	140
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.108	0.203	140
MAU	matotp	SCR:/ Pupils math-all total raw score	1.000		153
	matott	SCR:/ teacher math-all total raw score	.(a)	.	0
	ratotp	SCR:/ pupil reading-all total raw score	0.906	<u>0.000</u>	153
	yqacad	T/Qualif-academic	-0.094	0.246	153
	stchprim	S/Teachers (primary only)	.(a)	.	153
	stchseco	S/Teachers (secondary)	0.476	<u>0.000</u>	153
	stchtert	S/Teachers (tertiary)	0.035	0.663	153
	sqacadem	School head qualification-Academic	-0.033	0.690	153
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.038	0.637	153
MOZ	matotp	SCR:/ Pupils math-all total raw score	1.000		176
	matott	SCR:/ teacher math-all total raw score	0.117	0.132	168
	ratotp	SCR:/ pupil reading-all total raw score	0.778	<u>0.000</u>	176
	yqacad	T/Qualif-academic	-0.029	0.707	171
	stchprim	S/Teachers (primary only)	0.079	0.309	168
	stchseco	S/Teachers (secondary)	0.147	0.057	168
	stchtert	S/Teachers (tertiary)	-0.022	0.778	168
	sqacadem	School head qualification-Academic	0.055	0.479	168
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.229	<u>0.003</u>	168
NAM	matotp	SCR:/ Pupils math-all total raw score	1.000		270
	matott	SCR:/ teacher math-all total raw score	0.505	<u>0.000</u>	270
	ratotp	SCR:/ pupil reading-all total raw score	0.940	<u>0.000</u>	270
	yqacad	T/Qualif-academic	0.369	<u>0.000</u>	270
	stchprim	S/Teachers (primary only)	0.057	0.353	270
	stchseco	S/Teachers (secondary)	0.047	0.444	270
	stchtert	S/Teachers (tertiary)	0.278	<u>0.000</u>	270
	sqacadem	School head qualification-Academic	0.367	<u>0.000</u>	270
	zstchaca	D:/ ratio teachers having tertiary academic education	0.231	<u>0.000</u>	270
SEY	matotp	SCR:/ Pupils math-all total raw score	1.000		24
	matott	SCR:/ teacher math-all total raw score	0.064	0.768	24
	ratotp	SCR:/ pupil reading-all total raw score	0.890	<u>0.000</u>	24
	yqacad	T/Qualif-academic	0.135	0.529	24
	stchprim	S/Teachers (primary only)	-0.097	0.651	24
	stchseco	S/Teachers (secondary)	0.271	0.200	24
	stchtert	S/Teachers (tertiary)	-0.285	0.178	24
	sqacadem	School head qualification-Academic	-0.111	0.607	24
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.488	<u>0.016</u>	24
SOU	matotp	SCR:/ Pupils math-all total raw score	1.000		169
	matott	SCR:/ teacher math-all total raw score	.(a)	.	0
	ratotp	SCR:/ pupil reading-all total raw score	0.900	<u>0.000</u>	169
	yqacad	T/Qualif-academic	0.379	<u>0.000</u>	163
	stchprim	S/Teachers (primary only)	-0.098	0.207	167



	stchseco	S/Teachers (secondary)	-0.232	<u>0.003</u>	167
	stchtert	S/Teachers (tertiary)	0.385	<u>0.000</u>	167
	sqacadem	School head qualification-Academic	0.354	<u>0.000</u>	167
	zstchaca	D:/ ratio teachers having tertiary academic education	0.310	<u>0.000</u>	167
SWA	matotp	SCR:/ Pupils math-all total raw score	1.000		168
	matott	SCR:/ teacher math-all total raw score	0.322	<u>0.000</u>	164
	ratotp	SCR:/ pupil reading-all total raw score	0.744	<u>0.000</u>	168
	yqacad	T/Qualif-academic	0.035	0.654	166
	stchprim	S/Teachers (primary only)	0.023	0.770	168
	stchseco	S/Teachers (secondary)	0.005	0.953	168
	stchtert	S/Teachers (tertiary)	0.022	0.781	168
	sqacadem	School head qualification-Academic	0.084	0.281	168
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.001	0.985	168
TAN	matotp	SCR:/ Pupils math-all total raw score	1.000		181
	matott	SCR:/ teacher math-all total raw score	0.230	<u>0.003</u>	167
	ratotp	SCR:/ pupil reading-all total raw score	0.819	<u>0.000</u>	181
	yqacad	T/Qualif-academic	-0.026	0.733	178
	stchprim	S/Teachers (primary only)	0.280	<u>0.000</u>	181
	stchseco	S/Teachers (secondary)	0.334	<u>0.000</u>	181
	stchtert	S/Teachers (tertiary)	0.058	0.436	181
	sqacadem	School head qualification-Academic	0.112	0.134	181
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.025	0.742	181
UGA	matotp	SCR:/ Pupils math-all total raw score	1.000		163
	matott	SCR:/ teacher math-all total raw score	-0.027	0.764	122
	ratotp	SCR:/ pupil reading-all total raw score	0.788	<u>0.000</u>	163
	yqacad	T/Qualif-academic	0.138	0.128	122
	stchprim	S/Teachers (primary only)	0.085	0.281	163
	stchseco	S/Teachers (secondary)	-0.099	0.210	163
	stchtert	S/Teachers (tertiary)	0.045	0.567	163
	sqacadem	School head qualification-Academic	-0.049	0.535	163
	zstchaca	D:/ ratio teachers having tertiary academic education	0.014	0.862	163
ZAM	matotp	SCR:/ Pupils math-all total raw score	1.000		173
	matott	SCR:/ teacher math-all total raw score	0.026	0.734	169
	ratotp	SCR:/ pupil reading-all total raw score	0.830	<u>0.000</u>	173
	ratott		0.102	0.188	169
	yqacad	T/Qualif-academic	-0.074	0.337	170
	stchprim	S/Teachers (primary only)	0.261	<u>0.001</u>	169
	stchseco	S/Teachers (secondary)	0.188	<u>0.015</u>	169
	stchtert	S/Teachers (tertiary)	0.174	<u>0.023</u>	169
	sqacadem	School head qualification-Academic	0.183	<u>0.017</u>	169
	zstchaca	D:/ ratio teachers having tertiary academic education	0.084	0.277	169
ZAN	matotp	SCR:/ Pupils math-all total raw score	1.000		145
	matott	SCR:/ teacher math-all total raw score	0.214	<u>0.014</u>	131
	ratotp	SCR:/ pupil reading-all total raw score	0.673	<u>0.000</u>	145
	yqacad	T/Qualif-academic	0.206	<u>0.015</u>	138
	stchprim	S/Teachers (primary only)	0.174	<u>0.037</u>	145
	stchseco	S/Teachers (secondary)	-0.054	0.516	145
	stchtert	S/Teachers (tertiary)	0.047	0.575	145
	sqacadem	School head qualification-Academic	0.016	0.852	145
	zstchaca	D:/ ratio teachers having tertiary academic education	0.053	0.528	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 61**  
**SACMEQ AFFECTIVE DOMAIN - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N	
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170	
	zxsat01	Read teacher satisfaction-distance	0.048	0.538	170	
	zxsat03	Read teacher satisfaction-school building quality	-0.053	0.493	170	
	zxsat04	Read teacher satisfaction-teacher house availability	-0.027	0.724	170	
	zxsat05	Readteacher satisfaction-teacher house quality	0.015	0.844	170	
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.098	0.202	170	
	zxsat08	Read teacher satisfaction-level of salary	0.037	0.632	170	
	zxsat10	Read teacher satisfaction-pupil learn	0.039	0.615	170	
	zxsat12	Read teacher satisfaction-school management quality	0.102	0.185	170	
	zxsat13	Readteacher satisfaction-staff relationship	0.102	0.187	170	
	zxsat14	Readteacher satisfaction-community relationship	0.034	0.661	170	
	zxsat15	Readteacher satisfaction-promotion opportunity	-0.153	<u>0.047</u>	170	
	zxsat16	Readteacher satisfaction-further study	-0.146	0.057	170	
	KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000		185
		zxsat01	Read teacher satisfaction-distance	0.002	0.981	175
		zxsat03	Read teacher satisfaction-school building quality	-0.052	0.491	175
		zxsat04	Read teacher satisfaction-teacher house availability	0.031	0.686	175
zxsat05		Readteacher satisfaction-teacher house quality	-0.028	0.711	175	
zxsat07		Read teacher satisfaction-classroom furniture quality	0.080	0.294	175	
zxsat08		Read teacher satisfaction-level of salary	-0.024	0.751	175	
zxsat10		Read teacher satisfaction-pupil learn	-0.132	0.081	175	
zxsat12		Read teacher satisfaction-school management quality	-0.072	0.341	175	
zxsat13		Read teacher satisfaction-staff relationship	-0.096	0.205	175	
zxsat14		Read teacher satisfaction-community relationship	-0.064	0.397	175	
zxsat15		Read teacher satisfaction-promotion opportunity	-0.010	0.891	175	
zxsat16		Read teacher satisfaction-further study	-0.021	0.781	175	
LES		ratotp	SCR:/ pupil reading-all total raw score	1.000		177
		zxsat01	Read teacher satisfaction-distance	0.137	0.069	177
		zxsat03	Read teacher satisfaction-school building quality	-0.019	0.801	177
		zxsat04	Read teacher satisfaction-teacher house availability	-0.021	0.786	177
	zxsat05	Read teacher satisfaction-teacher house quality	-0.021	0.780	177	
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.075	0.319	177	
	zxsat08	Read teacher satisfaction-level of salary	0.145	0.054	177	
	zxsat10	Read teacher satisfaction-pupil learn	0.067	0.372	177	
	zxsat12	Read teacher satisfaction-school management quality	0.092	0.222	177	
	zxsat13	Read teacher satisfaction-staff relationship	0.086	0.257	177	
	zxsat14	Read teacher satisfaction-community relationship	0.053	0.485	177	
	zxsat15	Read teacher satisfaction-promotion opportunity	0.127	0.092	177	
	zxsat16	Read teacher satisfaction-further study	0.070	0.352	177	
	MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000		140
		zxsat01	Read teacher satisfaction-distance	0.000	0.996	139
		zxsat03	Read teacher satisfaction-school building quality	0.004	0.963	139
		zxsat04	Read teacher satisfaction-teacher house availability	-0.168	<u>0.048</u>	139
zxsat05		Read teacher satisfaction-teacher house quality	-0.047	0.584	139	
zxsat07		Read teacher satisfaction-classroom furniture quality	0.058	0.500	139	
zxsat08		Read teacher satisfaction-level of salary	0.056	0.511	139	
zxsat10		Read teacher satisfaction-pupil learn	0.197	<u>0.020</u>	139	



	zxsat12	Read teacher satisfaction-school management quality	-0.024	0.776	139
	zxsat13	Read teacher satisfaction-staff relationship	-0.174	<u>0.040</u>	139
	zxsat14	Read teacher satisfaction-community relationship	-0.098	0.249	139
	zxsat15	Read teacher satisfaction-promotion opportunity	0.055	0.521	139
	zxsat16	Read teacher satisfaction-further study	0.045	0.595	139
MAU	ratotp	SCR:/ pupil reading-all total raw score	1.000		153
	zxsat01	Read teacher satisfaction-distance	-0.094	0.248	153
	zxsat03	Read teacher satisfaction-school building quality	0.157	0.052	153
	zxsat04	Read teacher satisfaction-teacher house availability	0.050	0.538	153
	zxsat05	Read teacher satisfaction-teacher house quality	0.142	0.080	153
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.100	0.220	153
	zxsat08	Read teacher satisfaction-level of salary	-0.014	0.868	153
	zxsat10	Read teacher satisfaction-pupil learn	0.147	0.071	153
	zxsat12	Read teacher satisfaction-school management quality	0.196	<u>0.015</u>	153
	zxsat13	Read teacher satisfaction-staff relationship	0.154	0.058	153
	zxsat14	Read teacher satisfaction-community relationship	0.044	0.588	153
	zxsat15	Read teacher satisfaction-promotion opportunity	0.187	<u>0.020</u>	153
	zxsat16	Read teacher satisfaction-further study	0.065	0.425	153
MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		176
	zxsat01	Read teacher satisfaction-distance	0.097	0.204	173
	zxsat03	Read teacher satisfaction-school building quality	-0.004	0.957	173
	zxsat04	Read teacher satisfaction-teacher house availability	0.135	0.077	173
	zxsat05	Read teacher satisfaction-teacher house quality	0.081	0.287	173
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.043	0.575	173
	zxsat08	Read teacher satisfaction-level of salary	0.083	0.278	173
	zxsat10	Read teacher satisfaction-pupil learn	-0.001	0.992	173
	zxsat12	Read teacher satisfaction-school management quality	0.067	0.378	173
	zxsat13	Read teacher satisfaction-staff relationship	0.083	0.280	173
	zxsat14	Read teacher satisfaction-community relationship	-0.027	0.729	173
	zxsat15	Read teacher satisfaction-promotion opportunity	0.105	0.171	173
	zxsat16	Read teacher satisfaction-further study	0.035	0.648	173
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	zxsat01	Read teacher satisfaction-distance	-0.075	0.222	269
	zxsat03	Read teacher satisfaction-school building quality	-0.072	0.242	269
	zxsat04	Read teacher satisfaction-teacher house availability	-0.164	<u>0.007</u>	269
	zxsat05	Read teacher satisfaction-teacher house quality	-0.059	0.333	269
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.011	0.855	269
	zxsat08	Read teacher satisfaction-level of salary	0.144	<u>0.018</u>	269
	zxsat10	Read teacher satisfaction-pupil learn	0.124	<u>0.042</u>	269
	zxsat12	Read teacher satisfaction-school management quality	0.123	<u>0.044</u>	269
	zxsat13	Read teacher satisfaction-staff relationship	0.098	0.110	269
	zxsat14	Read teacher satisfaction-community relationship	-0.045	0.463	269
	zxsat15	Read teacher satisfaction-promotion opportunity	0.027	0.656	269
	zxsat16	Read teacher satisfaction-further study	-0.062	0.309	269
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	zxsat01	Read teacher satisfaction-distance	-0.469	<u>0.021</u>	24
	zxsat03	Read teacher satisfaction-school building quality	0.014	0.947	24
	zxsat04	Read teacher satisfaction-teacher house availability	-0.564	<u>0.004</u>	24
	zxsat05	Read teacher satisfaction-teacher house quality	-0.419	<u>0.042</u>	24
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.126	0.558	24
	zxsat08	Read teacher satisfaction-level of salary	-0.068	0.753	24





	zxsat10	Read teacher satisfaction-pupil learn	-0.031	0.886	24
	zxsat12	Read teacher satisfaction-school management quality	0.028	0.898	24
	zxsat13	Read teacher satisfaction-staff relationship	-0.002	0.991	24
	zxsat14	Read teacher satisfaction-community relationship	0.011	0.961	24
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.438	<u>0.032</u>	24
	zxsat16	Read teacher satisfaction-further study	-0.224	0.293	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	zxsat01	Read teacher satisfaction-distance	-0.103	0.188	164
	zxsat03	Read teacher satisfaction-school building quality	-0.063	0.420	164
	zxsat04	Read teacher satisfaction-teacher house availability	-0.180	<u>0.021</u>	164
	zxsat05	Read teacher satisfaction-teacher house quality	-0.163	<u>0.037</u>	164
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.075	0.343	164
	zxsat08	Read teacher satisfaction-level of salary	0.048	0.543	164
	zxsat10	Read teacher satisfaction-pupil learn	0.097	0.219	164
	zxsat12	Read teacher satisfaction-school management quality	0.054	0.491	164
	zxsat13	Read teacher satisfaction-staff relationship	0.098	0.213	164
	zxsat14	Read teacher satisfaction-community relationship	0.039	0.619	164
	zxsat15	Read teacher satisfaction-promotion opportunity	0.168	<u>0.032</u>	164
	zxsat16	Read teacher satisfaction-further study	-0.076	0.333	164
SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168
	zxsat01	Read teacher satisfaction-distance	0.172	<u>0.028</u>	164
	zxsat03	Read teacher satisfaction-school building quality	0.031	0.698	164
	zxsat04	Read teacher satisfaction-teacher house availability	-0.085	0.276	164
	zxsat05	Read teacher satisfaction-teacher house quality	-0.006	0.939	164
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.060	0.443	164
	zxsat08	Read teacher satisfaction-level of salary	0.046	0.561	164
	zxsat10	Read teacher satisfaction-pupil learn	0.089	0.255	164
	zxsat12	Read teacher satisfaction-school management quality	0.069	0.381	164
	zxsat13	Read teacher satisfaction-staff relationship	0.111	0.157	164
	zxsat14	Read teacher satisfaction-community relationship	0.008	0.918	164
	zxsat15	Read teacher satisfaction-promotion opportunity	0.058	0.465	164
	zxsat16	Read teacher satisfaction-further study	0.131	0.096	164
TAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		181
	zxsat01	Read teacher satisfaction-distance	0.112	0.136	179
	zxsat03	Read teacher satisfaction-school building quality	0.014	0.849	179
	zxsat04	Read teacher satisfaction-teacher house availability	-0.016	0.835	179
	zxsat05	Read teacher satisfaction-teacher house quality	0.067	0.375	179
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.148	<u>0.048</u>	179
	zxsat08	Read teacher satisfaction-level of salary	0.028	0.710	179
	zxsat10	Read teacher satisfaction-pupil learn	-0.033	0.659	179
	zxsat12	Read teacher satisfaction-school management quality	-0.041	0.589	179
	zxsat13	Read teacher satisfaction-staff relationship	-0.010	0.893	179
	zxsat14	Read teacher satisfaction-community relationship	-0.023	0.758	179
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.024	0.748	179
	zxsat16	Read teacher satisfaction-further study	0.059	0.429	179
UGA	ratotp	SCR:/ pupil reading-all total raw score	1.000		163
	zxsat01	Read teacher satisfaction-distance	-0.021	0.792	159
	zxsat03	Read teacher satisfaction-school building quality	-0.039	0.630	159
	zxsat04	Read teacher satisfaction-teacher house availability	-0.079	0.323	159
	zxsat05	Read teacher satisfaction-teacher house quality	0.030	0.707	159
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.013	0.875	159
	zxsat08	Read teacher satisfaction-level of salary	0.011	0.894	159

	zxsat10	Read teacher satisfaction-pupil learn	0.054	0.498	159
	zxsat12	Read teacher satisfaction-school management quality	0.133	0.094	159
	zxsat13	Read teacher satisfaction-staff relationship	-0.003	0.974	159
	zxsat14	Read teacher satisfaction-community relationship	-0.029	0.716	159
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.053	0.507	159
	zxsat16	Read teacher satisfaction-further study	-0.021	0.790	159
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		173
	zxsat01	Read teacher satisfaction-distance	-0.034	0.660	169
	zxsat03	Read teacher satisfaction-school building quality	-0.007	0.930	169
	zxsat04	Read teacher satisfaction-teacher house availability	0.006	0.935	169
	zxsat05	Read teacher satisfaction-teacher house quality	0.104	0.178	169
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.056	0.469	169
	zxsat08	Read teacher satisfaction-level of salary	0.034	0.658	169
	zxsat10	Read teacher satisfaction-pupil learn	0.087	0.259	169
	zxsat12	Read teacher satisfaction-school management quality	0.056	0.467	169
	zxsat13	Read teacher satisfaction-staff relationship	-0.009	0.910	169
	zxsat14	Read teacher satisfaction-community relationship	-0.006	0.937	169
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.014	0.859	169
	zxsat16	Read teacher satisfaction-further study	0.040	0.606	169
ZAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		145
	zxsat01	Read teacher satisfaction-distance	-0.098	0.250	140
	zxsat03	Read teacher satisfaction-school building quality	0.093	0.272	140
	zxsat04	Read teacher satisfaction-teacher house availability	0.171	<u>0.043</u>	140
	zxsat05	Read teacher satisfaction-teacher house quality	0.097	0.252	140
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.165	0.051	140
	zxsat08	Read teacher satisfaction-level of salary	0.043	0.612	140
	zxsat10	Read teacher satisfaction-pupil learn	0.136	0.109	140
	zxsat12	Read teacher satisfaction-school management quality	0.179	<u>0.035</u>	140
	zxsat13	Read teacher satisfaction-staff relationship	0.069	0.416	140
	zxsat14	Read teacher satisfaction-community relationship	0.045	0.596	140
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.039	0.646	140
	zxsat16	Read teacher satisfaction-further study	0.041	0.628	140

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

## APPENDIX 61

### SACMEQ AFFECTIVE DOMAIN - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig	N
BOT	matotp	SCR:/ pupil math-all total raw score	1.000		170
	zxsat01	Math teacher satisfaction-distance	-0.120	0.120	170
	zxsat03	Math teacher satisfaction-school building quality	-0.014	0.861	170
	zxsat04	Math teacher satisfaction-teacher house availability	0.062	0.425	170
	zxsat05	Math teacher satisfaction-teacher house quality	0.064	0.407	170
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.112	0.144	170
	zxsat08	Math teacher satisfaction-level of salary	0.088	0.252	170
	zxsat10	Math teacher satisfaction-pupil learn	-0.003	0.968	170
	zxsat12	Math teacher satisfaction-school management quality	0.081	0.292	170
	zxsat13	Math teacher satisfaction-staff relationship	0.040	0.600	170
	zxsat14	Math teacher satisfaction-community relationship	-0.088	0.255	170
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.167	<u>0.029</u>	170
	zxsat16	Math teacher satisfaction-further study	-0.132	0.086	170



KEN	matotp	SCR:/ pupil math-all total raw score	1.000		185	
	zxsat01	Math teacher satisfaction-distance	-0.022	0.766	180	
	zxsat03	Math teacher satisfaction-school building quality	0.065	0.385	180	
	zxsat04	Math teacher satisfaction-teacher house availability	-0.034	0.649	180	
	zxsat05	Math teacher satisfaction-teacher house quality	0.018	0.815	180	
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.228	<u>0.002</u>	180	
	zxsat08	Math teacher satisfaction-level of salary	0.161	<u>0.031</u>	180	
	zxsat10	Math teacher satisfaction-pupil learn	0.092	0.222	180	
	zxsat12	Math teacher satisfaction-school management quality	0.026	0.732	180	
	zxsat13	Math teacher satisfaction-staff relationship	0.147	<u>0.049</u>	180	
	zxsat14	Math teacher satisfaction-community relationship	0.085	0.259	180	
	zxsat15	Math teacher satisfaction-promotion opportunity	0.091	0.224	180	
	zxsat16	Math teacher satisfaction-further study	0.101	0.178	180	
	LES	matotp	SCR:/ pupil math-all total raw score	1.000		177
		zxsat01	Math teacher satisfaction-distance	0.023	0.762	177
		zxsat03	Math teacher satisfaction-school building quality	-0.037	0.624	177
		zxsat04	Math teacher satisfaction-teacher house availability	-0.020	0.787	177
zxsat05		Math teacher satisfaction-teacher house quality	-0.039	0.608	177	
zxsat07		Math teacher satisfaction-classroom furniture quality	-0.067	0.372	177	
zxsat08		Math teacher satisfaction-level of salary	0.085	0.261	177	
zxsat10		Math teacher satisfaction-pupil learn	-0.016	0.835	177	
zxsat12		Math teacher satisfaction-school management quality	0.013	0.865	177	
zxsat13		Math teacher satisfaction-staff relationship	0.057	0.454	177	
zxsat14		Math teacher satisfaction-community relationship	0.047	0.532	177	
zxsat15		Math teacher satisfaction-promotion opportunity	0.053	0.480	177	
zxsat16		Math teacher satisfaction-further study	0.009	0.900	177	
MAL		matotp	SCR:/ pupil math-all total raw score	1.000		140
		zxsat01	Math teacher satisfaction-distance	0.082	0.344	136
		zxsat03	Math teacher satisfaction-school building quality	-0.009	0.919	136
		zxsat04	Math teacher satisfaction-teacher house availability	0.041	0.634	136
	zxsat05	Math teacher satisfaction-teacher house quality	-0.036	0.680	136	
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.076	0.381	136	
	zxsat08	Math teacher satisfaction-level of salary	-0.187	<u>0.030</u>	136	
	zxsat10	Math teacher satisfaction-pupil learn	0.113	0.192	136	
	zxsat12	Math teacher satisfaction-school management quality	0.001	0.995	136	
	zxsat13	Math teacher satisfaction-staff relationship	-0.081	0.348	136	
	zxsat14	Math teacher satisfaction-community relationship	0.061	0.479	136	
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.026	0.766	136	
	zxsat16	Math teacher satisfaction-further study	-0.007	0.937	136	
	MAU	matotp	SCR:/ pupil math-all total raw score	1.000		153
		zxsat01	Math teacher satisfaction-distance	-0.030	0.712	153
		zxsat03	Math teacher satisfaction-school building quality	0.119	0.143	153
		zxsat04	Math teacher satisfaction-teacher house availability	0.050	0.536	153
zxsat05		Math teacher satisfaction-teacher house quality	0.170	<u>0.036</u>	153	
zxsat07		Math teacher satisfaction-classroom furniture quality	0.144	0.075	153	
zxsat08		Math teacher satisfaction-level of salary	0.008	0.919	153	
zxsat10		Math teacher satisfaction-pupil learn	0.101	0.213	153	
zxsat12		Math teacher satisfaction-school management quality	0.197	<u>0.014</u>	153	
zxsat13		Math teacher satisfaction-staff relationship	0.102	0.208	153	
zxsat14		Math teacher satisfaction-community relationship	0.077	0.343	153	
zxsat15		Math teacher satisfaction-promotion opportunity	0.196	<u>0.015</u>	153	
zxsat16		Math teacher satisfaction-further study	0.086	0.293	153	



MOZ	matotp	SCR:/ pupil math-all total raw score	1.000		176
	zxsat01	Math teacher satisfaction-distance	-0.070	0.364	171
	zxsat03	Math teacher satisfaction-school building quality	-0.218	<u>0.004</u>	171
	zxsat04	Math teacher satisfaction-teacher house availability	-0.035	0.654	171
	zxsat05	Math teacher satisfaction-teacher house quality	-0.124	0.106	171
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.023	0.769	171
	zxsat08	Math teacher satisfaction-level of salary	0.002	0.977	171
	zxsat10	Math teacher satisfaction-pupil learn	-0.031	0.692	171
	zxsat12	Math teacher satisfaction-school management quality	-0.140	0.067	171
	zxsat13	Math teacher satisfaction-staff relationship	-0.147	0.056	171
	zxsat14	Math teacher satisfaction-community relationship	-0.051	0.505	171
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.039	0.616	171
	zxsat16	Math teacher satisfaction-further study	0.001	0.985	171
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		270
	zxsat01	Math teacher satisfaction-distance	-0.183	<u>0.003</u>	270
	zxsat03	Math teacher satisfaction-school building quality	0.012	0.844	270
	zxsat04	Math teacher satisfaction-teacher house availability	-0.056	0.363	270
	zxsat05	Math teacher satisfaction-teacher house quality	-0.056	0.358	270
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.016	0.792	270
	zxsat08	Math teacher satisfaction-level of salary	0.022	0.720	270
	zxsat10	Math teacher satisfaction-pupil learn	0.061	0.322	270
	zxsat12	Math teacher satisfaction-school management quality	0.100	0.100	270
	zxsat13	Math teacher satisfaction-staff relationship	0.121	<u>0.046</u>	270
	zxsat14	Math teacher satisfaction-community relationship	0.027	0.658	270
	zxsat15	Math teacher satisfaction-promotion opportunity	0.085	0.165	270
	zxsat16	Math teacher satisfaction-further study	-0.192	<u>0.002</u>	270
SEY	matotp	SCR:/ pupil math-all total raw score	1.000		24
	zxsat01	Math teacher satisfaction-distance	-0.303	0.150	24
	zxsat03	Math teacher satisfaction-school building quality	0.289	0.171	24
	zxsat04	Math teacher satisfaction-teacher house availability	-0.483	<u>0.017</u>	24
	zxsat05	Math teacher satisfaction-teacher house quality	-0.384	0.064	24
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.116	0.590	24
	zxsat08	Math teacher satisfaction-level of salary	0.025	0.908	24
	zxsat10	Math teacher satisfaction-pupil learn	.(a)	.	24
	zxsat12	Math teacher satisfaction-school management quality	0.103	0.633	24
	zxsat13	Math teacher satisfaction-staff relationship	0.255	0.230	24
	zxsat14	Math teacher satisfaction-community relationship	-0.575	<u>0.003</u>	24
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.242	0.255	24
	zxsat16	Math teacher satisfaction-further study	0.086	0.689	24
SOU	matotp	SCR:/ pupil math-all total raw score	1.000		169
	zxsat01	Math teacher satisfaction-distance	0.019	0.811	163
	zxsat03	Math teacher satisfaction-school building quality	-0.132	0.094	163
	zxsat04	Math teacher satisfaction-teacher house availability	-0.189	<u>0.016</u>	163
	zxsat05	Math teacher satisfaction-teacher house quality	-0.185	<u>0.018</u>	163
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.055	0.483	163
	zxsat08	Math teacher satisfaction-level of salary	0.074	0.345	163
	zxsat10	Math teacher satisfaction-pupil learn	0.011	0.894	163
	zxsat12	Math teacher satisfaction-school management quality	0.084	0.285	163
	zxsat13	Math teacher satisfaction-staff relationship	0.059	0.451	163
	zxsat14	Math teacher satisfaction-community relationship	0.030	0.708	163
	zxsat15	Math teacher satisfaction-promotion opportunity	0.191	<u>0.015</u>	163
	zxsat16	Math teacher satisfaction-further study	0.056	0.479	163



SWA	matotp	SCR:/ pupil math-all total raw score	1.000		168	
	zxsat01	Math teacher satisfaction-distance	0.076	0.329	166	
	zxsat03	Math teacher satisfaction-school building quality	-0.042	0.587	166	
	zxsat04	Math teacher satisfaction-teacher house availability	-0.045	0.568	166	
	zxsat05	Math teacher satisfaction-teacher house quality	0.057	0.467	166	
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.034	0.660	166	
	zxsat08	Math teacher satisfaction-level of salary	0.112	0.152	166	
	zxsat10	Math teacher satisfaction-pupil learn	-0.008	0.920	166	
	zxsat12	Math teacher satisfaction-school management quality	0.107	0.171	166	
	zxsat13	Math teacher satisfaction-staff relationship	-0.059	0.448	166	
	zxsat14	Math teacher satisfaction-community relationship	0.040	0.605	166	
	zxsat15	Math teacher satisfaction-promotion opportunity	0.043	0.582	166	
	zxsat16	Math teacher satisfaction-further study	-0.084	0.281	166	
	TAN	matotp	SCR:/ pupil math-all total raw score	1.000		181
		zxsat01	Math teacher satisfaction-distance	0.107	0.157	178
		zxsat03	Math teacher satisfaction-school building quality	0.017	0.823	178
		zxsat04	Math teacher satisfaction-teacher house availability	0.027	0.721	178
zxsat05		Math teacher satisfaction-teacher house quality	-0.010	0.898	178	
zxsat07		Math teacher satisfaction-classroom furniture quality	-0.084	0.263	178	
zxsat08		Math teacher satisfaction-level of salary	-0.066	0.380	178	
zxsat10		Math teacher satisfaction-pupil learn	-0.027	0.719	178	
zxsat12		Math teacher satisfaction-school management quality	-0.042	0.578	178	
zxsat13		Math teacher satisfaction-staff relationship	-0.081	0.282	178	
zxsat14		Math teacher satisfaction-community relationship	-0.042	0.574	178	
zxsat15		Math teacher satisfaction-promotion opportunity	-0.033	0.666	178	
zxsat16		Math teacher satisfaction-further study	-0.028	0.713	178	
UGA		matotp	SCR:/ pupil math-all total raw score	1.000		163
		zxsat01	Math teacher satisfaction-distance	0.054	0.557	122
		zxsat03	Math teacher satisfaction-school building quality	0.087	0.338	122
		zxsat04	Math teacher satisfaction-teacher house availability	-0.035	0.704	122
	zxsat05	Math teacher satisfaction-teacher house quality	-0.052	0.568	122	
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.042	0.647	122	
	zxsat08	Math teacher satisfaction-level of salary	0.150	0.100	122	
	zxsat10	Math teacher satisfaction-pupil learn	-0.085	0.354	122	
	zxsat12	Math teacher satisfaction-school management quality	0.078	0.394	122	
	zxsat13	Math teacher satisfaction-staff relationship	-0.028	0.761	122	
	zxsat14	Math teacher satisfaction-community relationship	-0.172	0.058	122	
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.186	0.040	122	
	zxsat16	Math teacher satisfaction-further study	-0.127	0.164	122	
	ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		173
		zxsat01	Math teacher satisfaction-distance	-0.026	0.737	170
		zxsat03	Math teacher satisfaction-school building quality	0.013	0.867	170
		zxsat04	Math teacher satisfaction-teacher house availability	-0.035	0.651	170
zxsat05		Math teacher satisfaction-teacher house quality	0.067	0.384	170	
zxsat07		Math teacher satisfaction-classroom furniture quality	-0.011	0.887	170	
zxsat08		Math teacher satisfaction-level of salary	0.035	0.653	170	
zxsat10		Math teacher satisfaction-pupil learn	0.038	0.627	170	
zxsat12		Math teacher satisfaction-school management quality	0.039	0.612	170	
zxsat13		Math teacher satisfaction-staff relationship	-0.023	0.764	170	
zxsat14		Math teacher satisfaction-community relationship	-0.006	0.943	170	
zxsat15		Math teacher satisfaction-promotion opportunity	-0.028	0.715	170	
zxsat16		Math teacher satisfaction-further study	-0.028	0.713	170	



ZAN	matotp	SCR:/ pupil math-all total raw score	1.000		145
	zxsat01	Math teacher satisfaction-distance	-0.052	0.542	138
	zxsat03	Math teacher satisfaction-school building quality	-0.202	<u>0.018</u>	138
	zxsat04	Math teacher satisfaction-teacher house availability	-0.124	0.147	138
	zxsat05	Math teacher satisfaction-teacher house quality	-0.061	0.474	138
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.027	0.757	138
	zxsat08	Math teacher satisfaction-level of salary	-0.006	0.943	138
	zxsat10	Math teacher satisfaction-pupil learn	-0.014	0.868	138
	zxsat12	Math teacher satisfaction-school management quality	-0.097	0.255	138
	zxsat13	Math teacher satisfaction-staff relationship	0.035	0.687	138
	zxsat14	Math teacher satisfaction-community relationship	-0.068	0.427	138
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.102	0.235	138
	zxsat16	Math teacher satisfaction-further study	-0.023	0.791	138

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 62**  
**SACMEQ BEHAVIOURAL DOMAIN - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N	
BOT	ratotp	SCR:/ pupil read-all total raw score	1.000		170	
	pabsent	P/days absent	-0.088	0.256	170	
	zpabwhy2	R:/ reason absent-ill	-0.117	0.151	153	
	zpabwhy3	R:/ reason absent-family	0.154	0.057	153	
	zpabwhy4	R:/ reason absent-work	-0.071	0.385	153	
	zpabwhy6	R:/ reason absent-fee not paid	0.002	0.981	153	
	zpenglis	R:/ speaking English at home	0.497	<u>0.000</u>	170	
	xexper	T/years of teaching	0.291	<u>0.000</u>	170	
	xoutwork	T/hours outside	-0.194	<u>0.011</u>	170	
	zxmeet	R:/ read teacher frequency meeting parents	0.060	0.439	170	
	fx2trappr	Teacher read approach (factor)	-0.098	0.205	170	
	fx2tract	Reading teacher activities (factor)	-0.165	<u>0.031</u>	170	
	fx1tract	Reading teacher activities (factor)	0.225	<u>0.003</u>	170	
	fx1zsacthd	School head activities (factor)			170	
	fx2zsacthd	School head activities (factor)	-0.035	0.653	170	
	fxzsschac	T/most important math activity	0.206	<u>0.007</u>	170	
	xmeeusua	R:/ math teacher frequency giving written math test	0.414	<u>0.000</u>	170	
	tractmos	T/most important read activity			170	
	trgoalmo	T/most important reading goal	0.047	0.541	170	
	ztreng	R:/ reading teacher reporting comments on English	-0.008	0.922	170	
	zttestre	R:/ reading teacher frequency giving written reading test	0.048	0.531	170	
	sexpall	School head years of experience - altogether	-0.019	0.809	170	
	sexptch	School head years of teaching	0.052	0.500	170	
	sexpthis	School head experience in this school	0.024	0.755	170	
	slost	S/lost days	0.001	0.993	170	
	KEN	ratotp	SCR:/ pupil read-all total raw score	1.000		185
		pabsent	P/days absent	-0.328	<u>0.000</u>	185
zpabwhy2		R:/ reason absent-ill	0.085	0.255	182	
zpabwhy3		R:/ reason absent-family	0.046	0.540	182	
zpabwhy4		R:/ reason absent-work	-0.312	<u>0.000</u>	182	
zpabwhy6		R:/ reason absent-fee not paid	-0.021	0.775	182	
zpenglis		R:/ speaking English at home	0.252	<u>0.001</u>	185	
xexper		T/years of teaching	0.043	0.575	175	
xoutwork		T/hours outside	-0.100	0.188	175	
zxmeet		R:/ read teacher frequency meeting parents	0.076	0.319	175	
fx1trappr		Teacher read approach (factor)	0.059	0.438	175	
fx1tract		Reading teacher activities (factor)	0.074	0.332	175	
fx2tract		Reading teacher activities (factor)	-0.068	0.369	175	
fx1zsacthd		School head activities (factor)	0.112	0.130	184	
fx2zsacthd		School head activities (factor)	0.123	0.098	184	
fxzsschac		T/most important math activity	0.062	0.402	184	
xmeeusua		R:/ math teacher frequency giving written math test	0.287	<u>0.000</u>	175	
tractmos		T/most important read activity	0.128	0.090	175	
trgoalmo		T/most important reading goal	-0.017	0.826	175	
ztreng		R:/ reading teacher reporting comments on English	-0.042	0.582	175	
zttestre		R:/ reading teacher frequency giving written reading test	0.026	0.731	175	
sexpall		School head years of experience - altogether	-0.064	0.387	184	
sexptch		School head years of teaching	0.104	0.160	184	
sexpthis		School head experience in this school	0.107	0.148	184	
slost		S/lost days	-0.105	0.154	184	
LES		ratotp	SCR:/ pupil read-all total raw score	1.000		177
		pabsent	P/days absent	-0.104	0.166	177
	zpabwhy2	R:/ reason absent-ill	-0.044	0.568	169	
	zpabwhy3	R:/ reason absent-family	-0.106	0.169	169	
	zpabwhy4	R:/ reason absent-work	-0.083	0.285	169	



	zpabwhy6	R:/ reason absent-fee not paid	0.040	0.609	169
	zpenglis	R:/ speaking English at home	0.315	<u>0.000</u>	177
	xexper	T/years of teaching	0.057	0.455	177
	xoutwork	T/hours outside	-0.027	0.724	177
	zxmeet	R:/ read teacher frequency meeting parents	-0.072	0.338	177
	fx1trappr	Teacher math approach (factor)	-0.078	0.303	177
	fx2tract	Reading teacher activities (factor)	0.105	0.165	177
	fx1tract	Reading teacher activities (factor)	0.009	0.901	177
	fx1zsacthd	School head activities (factor)	-0.048	0.529	177
	fx2zsacthd	School head activities (factor)	0.138	0.068	177
	fxzsschac	T/most important math activity	0.045	0.553	177
	xmeeusua	R:/ math teacher frequency giving written math test	-0.078	0.300	177
	tractmos	T/most important read activity	-0.111	0.141	177
	trgoalmo	T/most important reading goal	-0.013	0.867	177
	ztrepeng	R:/ reading teacher reporting comments on English	-0.039	0.606	177
	zttestre	R:/ reading teacher frequency giving written reading test	0.008	0.915	177
	sexpall	School head years of experience - altogether	-0.106	0.161	177
	sexptch	School head years of teaching	-0.014	0.855	177
	sexpthis	School head experience in this school	-0.138	0.067	177
	slost	S/lost days	-0.007	0.922	177
MAL	ratotp	SCR:/ pupil read-all total raw score	1.000		140
	pabsent	P/days absent	-0.109	0.200	140
	zpabwhy2	R:/ reason absent-ill	0.044	0.604	140
	zpabwhy3	R:/ reason absent-family	-0.052	0.538	140
	zpabwhy4	R:/ reason absent-work	-0.146	0.086	140
	zpabwhy6	R:/ reason absent-fee not paid	-0.128	0.132	140
	zpenglis	R:/ speaking English at home	0.392	<u>0.000</u>	140
	xexper	T/years of teaching	-0.065	0.448	139
	xoutwork	T/hours outside	-0.012	0.884	139
	zxmeet	R:/ read teacher frequency meeting parents	-0.168	<u>0.048</u>	139
	fx1trappr	Teacher read approach (factor)	-0.112	0.187	139
	fx2trappr	Teacher math approach (factor)	0.042	0.624	139
	fx1tract	Reading teacher activities (factor)	0.127	0.135	139
	fx1zsacthd	School head activities (factor)	-0.069	0.419	140
	fx2zsacthd	School head activities (factor)	0.015	0.862	140
	fxzsschac	T/most important math activity	0.038	0.658	140
	xmeeusua	R:/ math teacher frequency giving written math test	-0.003	0.974	139
	tractmos	T/most important read activity	-0.027	0.750	139
	trgoalmo	T/most important reading goal	-0.028	0.744	139
	ztrepeng	R:/ reading teacher reporting comments on English	0.050	0.561	139
	zttestre	R:/ reading teacher frequency giving written reading test	0.150	0.077	139
	sexpall	School head years of experience - altogether	-0.029	0.732	140
	sexptch	School head years of teaching	0.016	0.854	140
	sexpthis	School head experience in this school	-0.058	0.494	140
	slost	S/lost days	-0.067	0.435	140
MAU	ratotp	SCR:/ pupil read-all total raw score	1.000		153
	pabsent	P/days absent	-0.253	<u>0.002</u>	153
	zpabwhy2	R:/ reason absent-ill	-0.074	0.364	152
	zpabwhy3	R:/ reason absent-family	-0.138	0.089	152
	zpabwhy4	R:/ reason absent-work	0.068	0.407	152
	zpabwhy6	R:/ reason absent-fee not paid	(a)	.	152
	zpenglis	R:/ speaking English at home	0.378	<u>0.000</u>	153
	xexper	T/years of teaching	0.149	0.066	153
	xoutwork	T/hours outside	0.185	<u>0.022</u>	153
	zxmeet	R:/ read teacher frequency meeting parents	0.144	0.076	153
	fx1trappr	Teacher read approach (factor)	0.127	0.117	153
	fx1tract	Reading teacher activities (factor)	0.213	<u>0.008</u>	153
	fx1zsacthd	School head activities (factor)	-0.137	0.092	153





	fx2zsacthd	School head activities (factor)	0.009	0.908	153
	fxzsschac	T/most important math activity	0.049	0.551	153
	xmeeusua	R:/ math teacher frequency giving written math test	0.399	<u>0.000</u>	153
	tractmos	T/most important read activity	-0.089	0.274	153
	trgoalmo	T/most important reading goal	-0.018	0.823	153
	ztreng	R:/ reading teacher reporting comments on English	-0.047	0.567	153
	zttestre	R:/ reading teacher frequency giving written reading test	0.169	<u>0.037</u>	153
	sexpall	School head years of experience - altogether	0.196	<u>0.015</u>	153
	sexptch	School head years of teaching	0.085	0.299	153
	sexpthis	School head experience in this school	0.119	0.144	153
	slost	S/lost days	0.005	0.953	153
MOZ	ratotp	SCR:/ pupil read-all total raw score	1.000		176
	pabsent	P/days absent	-0.076	0.317	176
	zpabwhy2	R:/ reason absent-ill	-0.143	0.058	175
	zpabwhy3	R:/ reason absent-family	0.034	0.652	175
	zpabwhy4	R:/ reason absent-work	-0.326	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	-0.127	0.094	175
	zpenglis	R:/ speaking English at home	0.428	<u>0.000</u>	176
	xexper	T/years of teaching	0.085	0.268	173
	xoutwork	T/hours outside	-0.031	0.690	173
	zxmeet	R:/ read teacher frequency meeting parents	0.021	0.780	173
	fx1trappr	Teacher read approach (factor)	-0.002	0.978	173
	fx2trappr	Teacher math approach (factor)	-0.156	<u>0.041</u>	173
	fx1tract	Reading teacher activities (factor)	0.001	0.987	173
	fx1zsacthd	School head activities (factor)	0.184	<u>0.017</u>	168
	fx2zsacthd	School head activities (factor)	0.075	0.335	168
	fxzsschac	T/most important math activity	-0.056	0.468	168
	xmeeusua	R:/ math teacher frequency giving written math test	0.082	0.283	173
	tractmos	T/most important read activity	0.047	0.540	173
	trgoalmo	T/most important reading goal	0.066	0.385	173
	ztreng	R:/ reading teacher reporting comments on English	-0.153	<u>0.045</u>	173
	zttestre	R:/ reading teacher frequency giving written reading test	-0.075	0.326	173
	sexpall	School head years of experience - altogether	0.006	0.942	168
	sexptch	School head years of teaching	0.154	<u>0.046</u>	168
	sexpthis	School head experience in this school	0.076	0.325	168
	slost	S/lost days	0.019	0.808	168
NAM	ratotp	SCR:/ pupil read-all total raw score	1.000		270
	pabsent	P/days absent	-0.381	<u>0.000</u>	270
	zpabwhy2	R:/ reason absent-ill	0.256	<u>0.000</u>	262
	zpabwhy3	R:/ reason absent-family	-0.199	<u>0.001</u>	262
	zpabwhy4	R:/ reason absent-work	-0.347	<u>0.000</u>	262
	zpabwhy6	R:/ reason absent-fee not paid	-0.174	<u>0.005</u>	262
	zpenglis	R:/ speaking English at home	0.225	<u>0.000</u>	270
	xexper	T/years of teaching	0.257	<u>0.000</u>	269
	xoutwork	T/hours outside	-0.029	0.634	269
	zxmeet	R:/ read teacher frequency meeting parents	0.061	0.321	269
	fx1trappr	Teacher read approach (factor)	0.208	<u>0.001</u>	269
	fx2tract	Reading teacher activities (factor)	0.181	<u>0.003</u>	269
	fx1tract	Reading teacher activities (factor)	0.192	<u>0.002</u>	269
	fx1zsacthd	School head activities (factor)	0.009	0.884	270
	fx2zsacthd	School head activities (factor)	-0.033	0.587	270
	fxzsschac	T/most important math activity	0.164	<u>0.007</u>	270
	xmeeusua	R:/ math teacher frequency giving written math test	0.208	<u>0.001</u>	269
	tractmos	T/most important read activity	0.010	0.868	269
	trgoalmo	T/most important reading goal	0.050	0.415	269
	ztreng	R:/ reading teacher reporting comments on English	-0.096	0.116	269
	zttestre	R:/ reading teacher frequency giving written reading test	-0.009	0.887	269
	sexpall	School head years of experience - altogether	-0.187	<u>0.002</u>	270



	sexptch	School head years of teaching	0.103	0.092	270
	sexpthis	School head experience in this school	-0.245	<u>0.000</u>	270
	slost	S/lost days	-0.044	0.471	270
SEY	ratotp	SCR:/ pupil read-all total raw score	1.000		24
	pabsent	P/days absent	0.635	<u>0.001</u>	24
	zpabwhy2	R:/ reason absent-ill	-0.148	0.491	24
	zpabwhy3	R:/ reason absent-family	-0.291	0.167	24
	zpabwhy4	R:/ reason absent-work	-0.278	0.188	24
	zpabwhy6	R:/ reason absent-fee not paid	-0.257	0.226	24
	zpenglis	R:/ speaking English at home	0.589	<u>0.002</u>	24
	xexper	T/years of teaching	0.204	<u>0.338</u>	24
	xoutwork	T/hours outside	0.341	0.103	24
	zxmeet	R:/ read teacher frequency meeting parents	-0.003	0.988	24
	fx1trappr	Teacher read approach (factor)	-0.093	0.664	24
	fx2trappr	Teacher math approach (factor)	-0.288	0.172	24
	fx2tract	Reading teacher activities (factor)	-0.321	0.126	24
	fx1tract	Reading teacher activities (factor)	0.202	0.344	24
	fx1zsacthd	School head activities (factor)	-0.243	0.252	24
	fx2zsacthd	School head activities (factor)	-0.193	0.365	24
	fxzsschac	T/most important math activity	0.101	0.638	24
	xmeeusua	R:/ math teacher frequency giving written math test	0.308	0.143	24
	tractmos	T/most important read activity	0.218	0.307	24
	trgoalmo	T/most important reading goal	-0.380	0.067	24
	ztrepeng	R:/ reading teacher reporting comments on English	-0.022	0.917	24
	zttestre	R:/ reading teacher frequency giving written reading test	-0.154	0.471	24
	sexpall	School head years of experience - altogether	0.100	0.643	24
	sexptch	School head years of teaching	0.374	0.072	24
	sexpthis	School head experience in this school	0.291	0.168	24
	slost	S/lost days	-0.023	0.917	24
SOU	ratotp	SCR:/ pupil read-all total raw score	1.000		169
	pabsent	P/days absent	-0.169	<u>0.028</u>	169
	zpabwhy2	R:/ reason absent-ill	0.173	<u>0.026</u>	165
	zpabwhy3	R:/ reason absent-family	0.056	0.475	165
	zpabwhy4	R:/ reason absent-work	-0.353	<u>0.000</u>	165
	zpabwhy6	R:/ reason absent-fee not paid	-0.277	<u>0.000</u>	165
	zpenglis	R:/ speaking English at home	0.552	<u>0.000</u>	169
	xexper	T/years of teaching	0.028	0.717	164
	xoutwork	T/hours outside	0.032	0.687	164
	zxmeet	R:/ read teacher frequency meeting parents	0.313	<u>0.000</u>	164
	fx1trappr	Teacher read approach (factor)	0.108	0.170	164
	fx2tract	Reading teacher activities (factor)	0.135	0.086	164
	fx1tract	Reading teacher activities (factor)	0.143	0.067	164
	fx1zsacthd	School head activities (factor)	0.010	0.894	167
	fx2zsacthd	School head activities (factor)	0.134	0.085	167
	fxzsschac	T/most important math activity	0.332	<u>0.000</u>	167
	xmeeusua	R:/ math teacher frequency giving written math test	0.317	<u>0.000</u>	164
	tractmos	T/most important read activity	-0.044	0.576	164
	trgoalmo	T/most important reading goal	0.023	0.772	164
	ztrepeng	R:/ reading teacher reporting comments on English	-0.062	0.429	164
	zttestre	R:/ reading teacher frequency giving written reading test	-0.186	<u>0.017</u>	164
	sexpall	School head years of experience - altogether	-0.194	<u>0.012</u>	167
	sexptch	School head years of teaching	0.027	0.729	167
	sexpthis	School head experience in this school	-0.206	<u>0.008</u>	167
	slost	S/lost days	-0.202	<u>0.009</u>	167
SWA	ratotp	SCR:/ pupil read-all total raw score	1.000		168
	pabsent	P/days absent	-0.117	0.130	168
	zpabwhy2	R:/ reason absent-ill	-0.070	0.374	164
	zpabwhy3	R:/ reason absent-family	-0.050	0.523	164



	zpabwhy4	R:/ reason absent-work	-0.172	<u>0.028</u>	164
	zpabwhy6	R:/ reason absent-fee not paid	-0.043	0.588	164
	zpenglis	R:/ speaking English at home	0.373	<u>0.000</u>	168
	xexper	T/years of teaching	0.133	0.089	164
	xoutwork	T/hours outside	-0.017	0.831	164
	zxmeet	R:/ read teacher frequency meeting parents	0.117	0.134	164
	fx1trappr	Teacher read approach (factor)	0.050	0.526	164
	fx1tract	Reading teacher activities (factor)	0.120	0.126	164
	fx1zsacthd	School head activities (factor)	-0.057	0.464	168
	fx2zsacthd	School head activities (factor)	0.206	<u>0.008</u>	168
	fxzsschac	T/most important math activity	0.244	<u>0.001</u>	168
	xmeeusua	R:/ math teacher frequency giving written math test	0.304	<u>0.000</u>	164
	tractmos	T/most important read activity	0.130	0.098	164
	trgoalmo	T/most important reading goal	0.045	0.567	164
	ztrepeng	R:/ reading teacher reporting comments on English	0.116	0.139	164
	ztestre	R:/ reading teacher frequency giving written reading test	0.028	0.718	164
	sexpall	School head years of experience - altogether	0.023	0.767	168
	sexptch	School head years of teaching	0.232	<u>0.003</u>	168
	sexpthis	School head experience in this school	-0.069	0.377	168
	slost	S/lost days	-0.029	0.713	168
TAN	ratotp	SCR:/ pupil read-all total raw score	1.000		181
	pabsent	P/days absent	-0.241	<u>0.001</u>	181
	zpabwhy2	R:/ reason absent-ill	0.137	0.070	175
	zpabwhy3	R:/ reason absent-family	-0.049	0.524	175
	zpabwhy4	R:/ reason absent-work	-0.328	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	0.108	0.154	175
	zpenglis	R:/ speaking English at home	0.441	<u>0.000</u>	181
	xexper	T/years of teaching	0.000	0.997	179
	xoutwork	T/hours outside	0.073	0.330	179
	zxmeet	R:/ read teacher frequency meeting parents	-0.099	0.185	179
	fx1trappr	Teacher read approach (factor)	0.190	<u>0.011</u>	179
	fx2tract	Reading teacher activities (factor)	0.103	0.171	179
	fx1tract	Reading teacher activities (factor)	0.086	0.252	179
	fx1zsacthd	School head activities (factor)	0.117	0.118	181
	fx2zsacthd	School head activities (factor)	0.105	0.159	181
	fxzsschac	T/most important math activity	-0.052	0.486	181
	xmeeusua	R:/ math teacher frequency giving written math test	0.010	0.896	179
	tractmos	T/most important read activity	-0.265	<u>0.000</u>	179
	trgoalmo	T/most important reading goal	0.117	0.119	179
	ztrepeng	R:/ reading teacher reporting comments on English	0.012	0.878	179
	ztestre	R:/ reading teacher frequency giving written reading test	0.006	0.942	179
	sexpall	School head years of experience - altogether	0.143	0.055	181
	sexptch	School head years of teaching	0.081	0.276	181
	sexpthis	School head experience in this school	0.037	0.616	181
	slost	S/lost days	-0.022	0.767	181
UGA	ratotp	SCR:/ pupil read-all total raw score	1.000		163
	pabsent	P/days absent	-0.226	<u>0.004</u>	163
	zpabwhy2	R:/ reason absent-ill	0.057	0.473	161
	zpabwhy3	R:/ reason absent-family	-0.069	0.386	161
	zpabwhy4	R:/ reason absent-work	-0.131	0.099	161
	zpabwhy6	R:/ reason absent-fee not paid	0.192	<u>0.015</u>	161
	zpenglis	R:/ speaking English at home	0.274	<u>0.000</u>	163
	xexper	T/years of teaching	0.000	0.998	159
	xoutwork	T/hours outside	0.107	0.180	159
	zxmeet	R:/ read teacher frequency meeting parents	0.056	0.480	159
	fx1trappr	Teacher math approach (factor)	-0.048	0.546	159
	fx3tract	Reading teacher activities (factor)	0.074	0.355	159
	fx2tract	Reading teacher activities (factor)	0.103	0.194	159



	fx1zsacthd	School head activities (factor)	0.036	0.648	163
	fx2zsacthd	School head activities (factor)	-0.027	0.732	163
	fxzsschac	T/most important math activity	0.197	<u>0.012</u>	163
	xmeeusua	R:/ math teacher frequency giving written math test	0.155	0.051	159
	tractmos	T/most important read activity	0.014	0.865	159
	trgoalmo	T/most important reading goal	-0.133	0.094	159
	ztrepeng	R:/ reading teacher reporting comments on English	0.038	0.633	159
	zttestre	R:/ reading teacher frequency giving written reading test	0.111	0.164	159
	sexpall	School head years of experience - altogether	-0.067	0.394	163
	sexptch	School head years of teaching	0.069	0.382	163
	sexpthis	School head experience in this school	0.017	0.826	163
	slost	S/lost days	-0.063	0.426	163
ZAM	ratotp	SCR:/ pupil read-all total raw score	1.000		173
	pabsent	P/days absent	-0.298	<u>0.000</u>	173
	zpabwhy2	R:/ reason absent-ill	0.008	0.913	172
	zpabwhy3	R:/ reason absent-family	-0.144	0.059	172
	zpabwhy4	R:/ reason absent-work	-0.005	0.953	172
	zpabwhy6	R:/ reason absent-fee not paid	0.143	0.062	172
	zpenglis	R:/ speaking English at home	0.518	<u>0.000</u>	173
	xexper	T/years of teaching	-0.124	0.107	169
	xoutwork	T/hours outside	-0.115	0.138	169
	zxmeet	R:/ read teacher frequency meeting parents	-0.001	0.994	169
	fx1trappr	Reading teacher approach (factor)	0.135	0.079	169
	fx1tract	Reading teacher activities (factor)	0.140	0.069	169
	fx2tract	Reading teacher activities (factor)	0.132	0.086	169
	fx3tract	Reading teacher activities (factor)	0.204	<u>0.008</u>	169
	fx1zsacthd	School head activities (factor)	0.170	<u>0.027</u>	169
	fx2zsacthd	School head activities (factor)	-0.009	0.908	169
	fxzsschac	T/most important math activity	0.196	<u>0.010</u>	169
	xmeeusua	R:/ math teacher frequency giving written math test	0.236	<u>0.002</u>	169
	tractmos	T/most important read activity	-0.093	0.231	169
	trgoalmo	T/most important reading goal	-0.010	0.898	169
	ztrepeng	R:/ reading teacher reporting comments on English	0.248	<u>0.001</u>	169
	zttestre	R:/ reading teacher frequency giving written reading test	0.107	0.167	169
	sexpall	School head years of experience - altogether	-0.078	0.314	169
	sexptch	School head years of teaching	0.088	0.253	169
	sexpthis	School head experience in this school	-0.055	0.479	169
	slost	S/lost days	-0.025	0.746	169
ZAN	ratotp	SCR:/ pupil read-all total raw score	1.000		145
	pabsent	P/days absent	-0.095	0.256	145
	zpabwhy2	R:/ reason absent-ill	0.117	0.164	142
	zpabwhy3	R:/ reason absent-family	-0.005	0.952	142
	zpabwhy4	R:/ reason absent-work	-0.085	0.317	142
	zpabwhy6	R:/ reason absent-fee not paid	0.117	0.165	142
	zpenglis	R:/ speaking English at home	0.246	<u>0.003</u>	145
	xexper	T/years of teaching	0.119	0.160	140
	xoutwork	T/hours outside	0.002	0.982	140
	zxmeet	R:/ read teacher frequency meeting parents	0.078	0.362	140
	fx1trappr	Teacher read approach (factor)	0.068	0.422	140
	fx2trappr	Teacher math approach (factor)	-0.144	0.089	140
	fx3tract	Reading teacher activities (factor)	0.092	0.281	140
	fx1tract	Reading teacher activities (factor)	0.087	0.305	140
	fx1zsacthd	School head activities (factor)	0.214	<u>0.010</u>	145
	fx2zsacthd	School head activities (factor)	-0.062	0.457	145
	fxzsschac	T/most important math activity	0.214	<u>0.010</u>	145
	xmeeusua	R:/ math teacher frequency giving written math test	0.128	0.132	140
	tractmos	T/most important read activity	-0.019	0.820	140
	trgoalmo	T/most important reading goal	-0.135	0.111	140



	ztreng	R:/ reading teacher reporting comments on English	-0.143	0.092	140
	zttestre	R:/ reading teacher frequency giving written reading test	0.051	0.550	140
	sexpall	School head years of experience - altogether	0.180	<u>0.031</u>	145
	sexptch	School head years of teaching	0.179	<u>0.031</u>	145
	sexpthis	School head experience in this school	0.091	0.277	145
	slost	S/lost days	-0.221	<u>0.007</u>	145

- \*\* Correlation is significant at the 0.01 level (2-tailed).  
\* Correlation is significant at the 0.05 level (2-tailed).  
a Cannot be computed because at least one of the variables is constant.

**APPENDIX 62**  
**SACMEQ BEHAVIOURAL DOMAIN - MATHEMATICS**

Countries	Variables	Description	Pearson Corr	Sig	N
BOT	matotp	SCR:/ pupil math-all total raw score	1.000		170
	pabsent	P/days absent	-0.088	0.254	170
	zpabwhy2	R:/ reason absent-ill	-0.146	0.071	153
	zpabwhy3	R:/ reason absent-family	0.106	0.194	153
	zpabwhy4	R:/ reason absent-work	-0.061	0.455	153
	zpabwhy6	R:/ reason absent-fee not paid	-0.005	0.949	153
	zpenglis	R:/ speaking English at home	0.441	<u>0.000</u>	170
	yexper	T/years of teaching	0.190	<u>0.013</u>	170
	youtwork	T/hours outside	-0.170	<u>0.027</u>	170
	zymeet	R:/ math teacher frequency meeting parents	0.075	0.329	170
	fy1mappr	Teacher math approach (factor)	0.104	0.177	170
	fy2tmact	Math teacher activities (factor)	-0.122	0.113	170
	fy1zsacthd	Math teacher activities (factor)	0.055	0.475	170
	fy2zsacthd	School head activities (factor)	-0.037	0.631	170
	fyzsschac	School activities (factor)	0.226	<u>0.003</u>	170
	ztrepmat	R:/ math teacher reporting comments on math	-0.005	0.953	170
	tmactmos	T/most important math activity	0.026	0.737	170
	tmgoalmo	T/most important math goal	0.049	0.522	170
	ztttestma	R:/ math teacher frequency giving written math test	0.081	0.295	170
	sexpall	School head years of experience - altogether	0.005	0.944	170
	sexptch	School head years of teaching	0.007	0.932	170
	sexpthis	School head experience in this school	0.077	0.318	170
		slost	S/lost days	-0.054	0.484
KEN	matotp	SCR:/ pupil math-all total raw score	1.000		185
	pabsent	P/days absent	-0.278	<u>0.000</u>	185
	zpabwhy2	R:/ reason absent-ill	0.032	0.664	182
	zpabwhy3	R:/ reason absent-family	0.013	0.863	182
	zpabwhy4	R:/ reason absent-work	-0.284	<u>0.000</u>	182
	zpabwhy6	R:/ reason absent-fee not paid	0.037	0.617	182
	zpenglis	R:/ speaking English at home	0.174	<u>0.018</u>	185
	yexper	T/years of teaching	0.062	0.407	180
	youtwork	T/hours outside	-0.048	0.527	180
	zymeet	R:/ math teacher frequency meeting parents	-0.039	0.603	180
	fy1mappr	Teacher math approach (factor)	0.110	0.143	180
	fy2tmact	Math teacher activities (factor)	0.127	0.089	180
	fy1tmact	Math teacher activities (factor)	0.100	0.180	180
	fy2zsacthd	School head activities (factor)	0.151	<u>0.041</u>	184
	fyzsschac	School activities (factor)	0.102	0.167	184
	ztrepmat	R:/ math teacher reporting comments on math	0.015	0.841	180
	tmactmos	T/most important math activity	0.023	0.763	180
	tmgoalmo	T/most important math goal	0.051	0.500	180
	ztttestma	R:/ math teacher frequency giving written math test	0.041	0.585	180
	sexpall	School head years of experience - altogether	-0.044	0.551	184
	sexptch	School head years of teaching	0.062	0.404	184
	sexpthis	School head experience in this school	0.152	<u>0.039</u>	184



	slost	S/lost days	-0.076	0.303	184
LES	matotp	SCR:/ pupil math-all total raw score	1.000		177
	pabsent	P/days absent	-0.173	<u>0.022</u>	177
	zpabwhy2	R:/ reason absent-ill	-0.080	0.298	169
	zpabwhy3	R:/ reason absent-family	-0.079	0.308	169
	zpabwhy4	R:/ reason absent-work	-0.048	0.536	169
	zpabwhy6	R:/ reason absent-fee not paid	0.007	0.927	169
	zpenglis	R:/ speaking English at home	0.246	<u>0.001</u>	177
	yexper	T/years of teaching	0.061	0.419	177
	youtwork	T/hours outside	-0.102	0.175	177
	zymeet	R:/ math teacher frequency meeting parents	-0.072	0.343	177
	fy1mappr	Teacher math approach (factor)	0.101	0.180	177
	fy1zsacthd	Math teacher activities (factor)	-0.143	0.058	177
	fy2zsacthd	School head activities (factor)	-0.010	0.891	177
	fyzsschac	School activities (factor)	-0.035	0.644	177
	ztrepmat	R:/ math teacher reporting comments on math	-0.029	0.704	177
	tmactmos	T/most important math activity	0.009	0.908	177
	tmgoalmo	T/most important math goal	0.078	0.301	177
	zttestma	R:/ math teacher frequency giving written math test	0.064	0.397	177
	sexpall	School head years of experience - altogether	-0.104	0.170	177
	sexptch	School head years of teaching	0.002	0.980	177
	sexpthis	School head experience in this school	-0.136	0.072	177
	slost	S/lost days	-0.079	0.298	177
MAL	matotp	SCR:/ pupil math-all total raw score	1.000		140
	pabsent	P/days absent	-0.102	0.233	140
	zpabwhy2	R:/ reason absent-ill	-0.026	0.764	140
	zpabwhy3	R:/ reason absent-family	0.054	0.527	140
	zpabwhy4	R:/ reason absent-work	-0.115	0.177	140
	zpabwhy6	R:/ reason absent-fee not paid	-0.081	0.342	140
	zpenglis	R:/ speaking English at home	0.363	<u>0.000</u>	140
	yexper	T/years of teaching	0.040	0.640	136
	youtwork	T/hours outside	-0.018	0.832	136
	zymeet	R:/ math teacher frequency meeting parents	-0.037	0.666	136
	fy1mappr	Teacher math approach (factor)	-0.126	0.142	136
	fy1tmact	Math teacher activities (factor)	-0.106	0.220	136
	fy1zsacthd	School head activities (factor)	-0.118	0.166	140
	fyzsschac	School activities (factor)	0.065	0.442	140
	ztrepmat	R:/ math teacher reporting comments on math	0.054	0.534	136
	tmactmos	T/most important math activity	0.108	0.210	136
	tmgoalmo	T/most important math goal	-0.005	0.955	136
	zttestma	R:/ math teacher frequency giving written math test	0.076	0.381	136
	sexpall	School head years of experience - altogether	-0.004	0.962	140
	sexptch	School head years of teaching	0.046	0.591	140
	sexpthis	School head experience in this school	0.005	0.954	140
	slost	S/lost days	-0.015	0.859	140
MAU	matotp	SCR:/ pupil math-all total raw score	1.000		153
	pabsent	P/days absent	-0.214	<u>0.008</u>	153
	zpabwhy2	R:/ reason absent-ill	-0.037	0.651	152
	zpabwhy3	R:/ reason absent-family	-0.136	0.096	152
	zpabwhy4	R:/ reason absent-work	0.082	0.317	152
	zpabwhy6	R:/ reason absent-fee not paid	(a)	.	152
	zpenglis	R:/ speaking English at home	0.377	<u>0.000</u>	153
	yexper	T/years of teaching	0.172	<u>0.033</u>	153
	youtwork	T/hours outside	0.198	<u>0.014</u>	153
	zymeet	R:/ math teacher frequency meeting parents	0.149	0.066	153
	fy1tmact	Math teacher activities (factor)	-0.080	0.328	153
	fy1zsacthd	Math teacher activities (factor)	-0.117	0.151	153
	fy1zsacthd	School head activities (factor)	-0.019	0.818	153



	fyzsschac	School activities (factor)	0.034	0.674	153
	ztrepmat	R:/ math teacher reporting comments on math	0.022	0.786	153
	tmactmos	T/most important math activity	-0.154	0.057	153
	tmgoalmo	T/most important math goal	0.002	0.977	153
	ztestma	R:/ math teacher frequency giving written math test	0.069	0.395	153
	sexpall	School head years of experience - altogether	0.205	<u>0.011</u>	153
	sexptch	School head years of teaching	0.111	0.172	153
	sexpthis	School head experience in this school	0.102	0.208	153
	slost	S/lost days	0.013	0.873	153
MOZ	matotp	SCR:/ pupil math-all total raw score	1.000		176
	pabsent	P/days absent	-0.035	0.642	176
	zpabwhy2	R:/ reason absent-ill	-0.130	0.087	175
	zpabwhy3	R:/ reason absent-family	0.103	0.174	175
	zpabwhy4	R:/ reason absent-work	-0.292	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	-0.069	0.362	175
	zpenglis	R:/ speaking English at home	0.419	<u>0.000</u>	176
	yexper	T/years of teaching	0.078	0.308	171
	youtwork	T/hours outside	-0.126	0.100	171
	zymeet	R:/ math teacher frequency meeting parents	0.197	<u>0.010</u>	171
	fy2mappr	Teacher math approach (factor)	-0.158	<u>0.039</u>	171
	fy2tmact	Math teacher activities (factor)	-0.092	0.232	171
	fy1zsacthd	Math teacher activities (factor)	0.181	<u>0.019</u>	168
	fy1zsacthd	School head activities (factor)	0.104	0.179	168
	fyzsschac	School activities (factor)	-0.142	0.067	168
	ztrepmat	R:/ math teacher reporting comments on math	-0.048	0.536	171
	tmactmos	T/most important math activity	-0.090	0.241	171
	tmgoalmo	T/most important math goal	0.055	0.473	171
	ztestma	R:/ math teacher frequency giving written math test	-0.160	<u>0.037</u>	171
	sexpall	School head years of experience - altogether	0.009	0.905	168
	sexptch	School head years of teaching	0.153	<u>0.048</u>	168
	sexpthis	School head experience in this school	0.058	0.456	168
	slost	S/lost days	0.000	0.995	168
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		270
	pabsent	P/days absent	-0.339	<u>0.000</u>	270
	zpabwhy2	R:/ reason absent-ill	0.231	<u>0.000</u>	262
	zpabwhy3	R:/ reason absent-family	-0.201	<u>0.001</u>	262
	zpabwhy4	R:/ reason absent-work	-0.314	<u>0.000</u>	262
	zpabwhy6	R:/ reason absent-fee not paid	-0.148	<u>0.017</u>	262
	zpenglis	R:/ speaking English at home	0.176	<u>0.004</u>	270
	yexper	T/years of teaching	0.189	<u>0.002</u>	270
	youtwork	T/hours outside	-0.086	0.157	270
	zymeet	R:/ math teacher frequency meeting parents	0.141	<u>0.020</u>	270
	fy1mappr	Teacher math approach (factor)	0.264	<u>0.000</u>	270
	fy2mappr	Teacher math approach (factor)	0.113	0.063	270
	fy2tmact	Math teacher activities (factor)	-0.118	0.052	270
	fy1tmact	Math teacher activities (factor)	-0.170	<u>0.005</u>	270
	fyzsschac	School activities (factor)	0.192	<u>0.002</u>	270
	ztrepmat	R:/ math teacher reporting comments on math	0.007	0.912	270
	tmactmos	T/most important math activity	0.093	0.126	270
	tmgoalmo	T/most important math goal	-0.007	0.909	270
	ztestma	R:/ math teacher frequency giving written math test	0.007	0.910	270
	sexpall	School head years of experience - altogether	-0.143	<u>0.018</u>	270
	sexptch	School head years of teaching	0.101	0.096	270
	sexpthis	School head experience in this school	-0.193	<u>0.001</u>	270
	slost	S/lost days	-0.034	0.576	270
SEY	matotp	SCR:/ pupil math-all total raw score	1.000		24
	pabsent	P/days absent	0.640	<u>0.001</u>	24
	zpabwhy2	R:/ reason absent-ill	0.005	0.982	24



	zpabwhy3	R:/ reason absent-family	-0.242	0.254	24
	zpabwhy4	R:/ reason absent-work	-0.246	0.247	24
	zpabwhy6	R:/ reason absent-fee not paid	-0.260	0.221	24
	zpenglis	R:/ speaking English at home	0.493	<u>0.014</u>	24
	yexper	T/years of teaching	0.413	<u>0.045</u>	24
	youtwork	T/hours outside	0.466	<u>0.022</u>	24
	zymeet	R:/ math teacher frequency meeting parents	0.188	0.380	24
	fy1mappr	Teacher math approach (factor)	-0.107	0.618	24
	fy2mappr	Teacher math approach (factor)	-0.416	<u>0.043</u>	24
	fy2tmact	Math teacher activities (factor)	-0.544	<u>0.006</u>	24
	fy1tmact	Math teacher activities (factor)	0.117	0.586	24
	fy1zsacthd	School head activities (factor)	-0.334	0.111	24
	fy2zsacthd	School head activities (factor)	-0.217	0.309	24
	fyzsschac	School activities (factor)	0.169	0.429	24
	ztrepmat	R:/ math teacher reporting comments on math	0.113	0.599	24
	tmactmos	T/most important math activity	-0.191	0.372	24
	tmgoalmo	T/most important math goal	-0.063	0.771	24
	ztestma	R:/ math teacher frequency giving written math test	0.091	0.671	24
	sexpall	School head years of experience - altogether	0.025	0.909	24
	sexptch	School head years of teaching	0.292	0.166	24
	sexpthis	School head experience in this school	0.186	0.383	24
	slost	S/lost days	-0.070	0.745	24
SOU	matotp	SCR:/ pupil math-all total raw score	1.000		169
	pabsent	P/days absent	-0.169	<u>0.028</u>	169
	zpabwhy2	R:/ reason absent-ill	0.123	0.116	165
	zpabwhy3	R:/ reason absent-family	0.033	0.677	165
	zpabwhy4	R:/ reason absent-work	-0.306	<u>0.000</u>	165
	zpabwhy6	R:/ reason absent-fee not paid	-0.263	<u>0.001</u>	165
	zpenglis	R:/ speaking English at home	0.471	<u>0.000</u>	169
	yexper	T/years of teaching	0.069	0.382	163
	youtwork	T/hours outside	-0.069	0.383	163
	zymeet	R:/ math teacher frequency meeting parents	0.191	<u>0.015</u>	163
	fy1mappr	Teacher math approach (factor)	0.110	0.162	163
	fy2mappr	Teacher math approach (factor)	0.222	<u>0.004</u>	163
	fy1tmact	Math teacher activities (factor)	-0.081	0.302	163
	fy1zsacthd	School head activities (factor)	0.004	0.961	167
	fy2zsacthd	School head activities (factor)	0.068	0.383	167
	fyzsschac	School activities (factor)	0.349	<u>0.000</u>	167
	ztrepmat	R:/ math teacher reporting comments on math	0.012	0.875	163
	tmactmos	T/most important math activity	0.116	0.141	163
	tmgoalmo	T/most important math goal	-0.067	0.397	163
	ztestma	R:/ math teacher frequency giving written math test	0.028	0.725	163
	sexpall	School head years of experience - altogether	-0.181	<u>0.019</u>	167
	sexptch	School head years of teaching	0.009	0.907	167
	sexpthis	School head experience in this school	-0.197	<u>0.011</u>	167
	slost	S/lost days	-0.219	<u>0.004</u>	167
SWA	matotp	SCR:/ pupil math-all total raw score	1.000		168
	pabsent	P/days absent	-0.171	<u>0.026</u>	168
	zpabwhy2	R:/ reason absent-ill	0.037	0.636	164
	zpabwhy3	R:/ reason absent-family	-0.133	0.089	164
	zpabwhy4	R:/ reason absent-work	-0.132	0.092	164
	zpabwhy6	R:/ reason absent-fee not paid	-0.043	0.582	164
	zpenglis	R:/ speaking English at home	0.204	<u>0.008</u>	168
	yexper	T/years of teaching	0.119	0.126	166
	youtwork	T/hours outside	-0.085	0.278	166
	zymeet	R:/ math teacher frequency meeting parents	0.177	<u>0.022</u>	166
	fy1mappr	Teacher math approach (factor)	0.083	0.288	166
	fy2tmact	Math teacher activities (factor)	-0.093	0.232	166





	fy1zsacthd	Math teacher activities (factor)	-0.097	0.211	168
	fy2zsacthd	School head activities (factor)	0.081	0.295	168
	fyzsschac	School activities (factor)	0.192	<u>0.012</u>	168
	ztrepmat	R:/ math teacher reporting comments on math	0.085	0.274	166
	tmactmos	T/most important math activity	0.036	0.643	166
	tmgoalmo	T/most important math goal	-0.026	0.737	166
	zttestma	R:/ math teacher frequency giving written math test	-0.058	0.462	166
	sexpall	School head years of experience - altogether	0.099	0.200	168
	sexptch	School head years of teaching	0.235	<u>0.002</u>	168
	sexpthis	School head experience in this school	0.107	0.169	168
	slost	S/lost days	0.004	0.954	168
TAN	matotp	SCR:/ pupil math-all total raw score	1.000		181
	pabsent	P/days absent	-0.245	<u>0.001</u>	181
	zpabwhy2	R:/ reason absent-ill	0.130	0.088	175
	zpabwhy3	R:/ reason absent-family	-0.023	0.766	175
	zpabwhy4	R:/ reason absent-work	-0.334	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	0.122	0.108	175
	zpenglis	R:/ speaking English at home	0.388	<u>0.000</u>	181
	yexper	T/years of teaching	0.124	0.099	178
	youtwork	T/hours outside	0.044	0.561	178
	zymeet	R:/ math teacher frequency meeting parents	0.035	0.641	178
	fy1mappr	Teacher math approach (factor)	0.122	0.106	178
	fy2mappr	Teacher math approach (factor)	-0.034	0.652	178
	fy2tmact	Math teacher activities (factor)	0.117	0.121	178
	fy1tmact	Math teacher activities (factor)	-0.103	0.170	178
	fy1zsacthd	Math teacher activities (factor)	0.081	0.279	181
	fy2zsacthd	School head activities (factor)	0.127	0.088	181
	fyzsschac	School activities (factor)	-0.100	0.180	181
	ztrepmat	R:/ math teacher reporting comments on math	0.066	0.378	178
	tmactmos	T/most important math activity	0.058	0.445	178
	tmgoalmo	T/most important math goal	0.015	0.846	178
	zttestma	R:/ math teacher frequency giving written math test	0.068	0.367	178
	sexpall	School head years of experience - altogether	0.146	<u>0.050</u>	181
	sexptch	School head years of teaching	0.105	0.161	181
	sexpthis	School head experience in this school	0.099	0.186	181
	slost	S/lost days	0.045	0.547	181
UGA	matotp	SCR:/ pupil math-all total raw score	1.000		163
	pabsent	P/days absent	-0.247	<u>0.001</u>	163
	zpabwhy2	R:/ reason absent-ill	0.055	0.492	161
	zpabwhy3	R:/ reason absent-family	-0.002	0.983	161
	zpabwhy4	R:/ reason absent-work	-0.122	0.124	161
	zpabwhy6	R:/ reason absent-fee not paid	0.103	0.195	161
	zpenglis	R:/ speaking English at home	0.162	<u>0.039</u>	163
	yexper	T/years of teaching	0.009	0.924	122
	youtwork	T/hours outside	-0.012	0.897	122
	zymeet	R:/ math teacher frequency meeting parents	0.069	0.450	122
	fy1mappr	Teacher math approach (factor)	-0.276	<u>0.008</u>	91
	fy2tmact	Math teacher activities (factor)	-0.279	<u>0.004</u>	106
	fy1tmact	Math teacher activities (factor)	-0.160	0.102	106
	fy1zsacthd	Math teacher activities (factor)	-0.015	0.849	163
	fy2zsacthd	School head activities (factor)	-0.034	0.669	163
	fyzsschac	School activities (factor)	0.132	0.093	163
	ztrepmat	R:/ math teacher reporting comments on math	0.070	0.440	122
	tmactmos	T/most important math activity	-0.017	0.863	103
	tmgoalmo	T/most important math goal	0.118	0.235	104
	zttestma	R:/ math teacher frequency giving written math test	-0.113	0.252	104
	sexpall	School head years of experience - altogether	-0.018	0.816	163
	sexptch	School head years of teaching	0.044	0.575	163



	sexpthis	School head experience in this school	-0.024	0.763	163
	slost	S/lost days	-0.037	0.640	163
ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		173
	pabsent	P/days absent	-0.313	<u>0.000</u>	173
	zpabwhy2	R:/ reason absent-ill	-0.025	0.741	172
	zpabwhy3	R:/ reason absent-family	-0.007	0.932	172
	zpabwhy4	R:/ reason absent-work	0.008	0.918	172
	zpabwhy6	R:/ reason absent-fee not paid	0.024	0.760	172
	zpenglis	R:/ speaking English at home	0.406	<u>0.000</u>	173
	yexper	T/years of teaching	-0.104	0.178	170
	youtwork	T/hours outside	-0.140	0.068	170
	zymeet	R:/ math teacher frequency meeting parents	-0.063	0.415	170
	fy1mappr	Teacher math approach (factor)	0.104	0.176	170
	fy2mappr	Teacher math approach (factor)	0.117	0.130	170
	fy1tmact	Math teacher activities (factor)	0.095	0.217	170
	fy1zsacthd	School head activities (factor)	0.171	<u>0.027</u>	169
	fy2zsacthd	School head activities (factor)	0.000	<u>0.996</u>	169
	fyzsschac	School activities (factor)	0.155	<u>0.045</u>	169
	ztrepmat	R:/ math teacher reporting comments on math	0.183	<u>0.017</u>	170
	tmactmos	T/most important math activity	0.044	0.566	170
	tmgoalmo	T/most important math goal	0.080	0.302	170
	zttestma	R:/ math teacher frequency giving written math test	0.121	0.117	170
	sexpall	School head years of experience - altogether	-0.067	0.383	169
	sexptch	School head years of teaching	0.038	0.622	169
	sexpthis	School head experience in this school	-0.060	0.439	169
	slost	S/lost days	-0.046	0.556	169
ZAN	matotp	SCR:/ pupil math-all total raw score	1.000		145
	pabsent	P/days absent	-0.074	0.378	145
	zpabwhy2	R:/ reason absent-ill	0.076	0.371	142
	zpabwhy3	R:/ reason absent-family	0.008	0.922	142
	zpabwhy4	R:/ reason absent-work	-0.073	0.386	142
	zpabwhy6	R:/ reason absent-fee not paid	0.046	0.585	142
	zpenglis	R:/ speaking English at home	0.157	0.060	145
	yexper	T/years of teaching	-0.056	0.515	138
	youtwork	T/hours outside	0.097	0.258	138
	zymeet	R:/ math teacher frequency meeting parents	-0.099	0.246	138
	fy1mappr	Teacher math approach (factor)	0.096	0.283	128
	fy2mappr	Teacher math approach (factor)	-0.067	0.451	128
	fy2tmact	Math teacher activities (factor)	-0.031	0.716	138
	fy1tmact	Math teacher activities (factor)	0.155	0.069	138
	fy1zsacthd	Math teacher activities (factor)	0.141	0.091	145
	fy2zsacthd	School head activities (factor)	0.087	0.299	145
	fyzsschac	School activities (factor)	0.237	<u>0.004</u>	145
	ztrepmat	R:/ math teacher reporting comments on math	-0.036	0.676	138
	tmactmos	T/most important math activity	0.021	0.805	138
	tmgoalmo	T/most important math goal	-0.102	0.232	138
	zttestma	R:/ math teacher frequency giving written math test	-0.027	0.756	138
	sexpall	School head years of experience - altogether	0.089	0.290	145
	sexptch	School head years of teaching	-0.008	0.922	145
	sexpthis	School head experience in this school	0.008	0.928	145
	slost	S/lost days	-0.115	0.167	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 63**  
**MOZAMBIQUE TEACHER TRAINING - READING**

Prov	Var	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ teacher reading-all total raw score	1.000		14
	zxqprof	D:/ reading teacher teacher training	-0.284	0.325	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.636	0.124	7
	stch1yr	S/teachers (1 Year)	-0.103	0.727	14
	stch2yr	S/teachers (2 Year)	-0.229	0.431	14
	stch3yr	S/teachers (3 Year)	-0.411	0.144	14
	stchmore	S/teachers (more)	0.006	0.983	14
	stchshor	S/teachers (short)	-0.373	0.189	14
	stchnott	S/teachers (no training)	-0.189	0.517	14
	zsqtt	R:/ school head teacher training	0.140	0.632	14
	sqssec	S/qualification-special training	-0.428	0.127	14
	sqssecwk	S/# weeks special Training	1.000		2
	GAZ	ratotp	SCR:/ teacher reading-all total raw score	1.000	
zxqprof		D:/ reading teacher teacher training	0.066	0.822	14
zxinserv		R:/ reading teacher inservice training effectiveness	0.334	0.783	3
stch1yr		S/teachers (1 Year)	0.104	0.712	15
stch2yr		S/teachers (2 Year)	-0.142	0.614	15
stch3yr		S/teachers (3 Year)	-0.007	0.981	15
stchmore		S/teachers (more)	-0.454	0.090	15
stchshor		S/teachers (short)	0.072	0.800	15
stchnott		S/teachers (no training)	0.016	0.954	15
zsqtt		R:/ school head teacher training	-0.081	0.774	15
sqssec		S/qualification-special training	0.411	0.144	14
sqssecwk		S/# weeks special Training	0.285	0.584	6
INH		ratotp	SCR:/ teacher reading-all total raw score	1.000	
	zxqprof	D:/ reading teacher teacher training	0.465	0.094	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.231	0.660	6
	stch1yr	S/teachers (1 Year)	0.449	0.124	13
	stch2yr	S/teachers (2 Year)	-0.074	0.810	13
	stch3yr	S/teachers (3 Year)	-0.409	0.165	13
	stchmore	S/teachers (more)	0.109	0.722	13
	stchshor	S/teachers (short)	-0.303	0.314	13
	stchnott	S/teachers (no training)	0.426	0.147	13
	zsqtt	R:/ school head teacher training	-0.388	0.191	13
	sqssec	S/qualification-special training	-0.442	0.130	13
	sqssecwk	S/# weeks special Training	-0.031	0.969	4
	MAC	ratotp	SCR:/ Pupils' reading-all total raw score	1.000	
zxqprof		D:/ reading teacher teacher training	0.146	0.539	20
zxinserv		R:/ reading teacher inservice training effectiveness	0.739	0.023	9
stch1yr		S/teachers (1 Year)	-0.114	0.652	18
stch2yr		S/teachers (2 Year)	0.055	0.830	18
stch3yr		S/teachers (3 Year)	-0.033	0.897	18
stchmore		S/teachers (more)	0.215	0.390	18
stchshor		S/teachers (short)	0.081	0.749	18



	stchnott	S/teachers (no training)	-0.355	0.149	18
	zsqtt	R:/ school head teacher training	0.203	0.419	18
	sqssec	S/qualification-special training	-0.284	0.253	18
	sqssecwk	S/# weeks special Training	-0.178	0.580	12
MAN	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.525	0.054	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.020	0.974	5
	stch1yr	S/teachers (1 Year)	-0.431	0.186	11
	stch2yr	S/teachers (2 Year)	0.474	0.141	11
	stch3yr	S/teachers (3 Year)	0.442	0.173	11
	stchmore	S/teachers (more)	0.029	0.932	11
	stchshor	S/teachers (short)	0.279	0.406	11
	stchnott	S/teachers (no training)	-0.297	0.376	11
	zsqtt	R:/ school head teacher training	0.427	0.190	11
	sqssec	S/qualification-special training	-0.392	0.233	11
	sqssecwk	S/# weeks special Training	-0.658	0.227	5
MAP	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.182	0.516	15
	zxinserv	R:/ reading teacher inservice training effectiveness	0.092	0.862	6
	stch1yr	S/teachers (1 Year)	0.131	0.642	15
	stch2yr	S/teachers (2 Year)	0.166	0.553	15
	stch3yr	S/teachers (3 Year)	0.223	0.425	15
	stchmore	S/teachers (more)	0.343	0.210	15
	stchshor	S/teachers (short)	0.114	0.685	15
	stchnott	S/teachers (no training)	0.038	0.892	15
	zsqtt	R:/ school head teacher training	-0.038	0.893	15
	sqssec	S/qualification-special training	0.083	0.767	15
NAM	sqssecwk	S/# weeks special Training	-0.470	0.145	11
	ratotp	SCR:/ teacher reading-all total raw score	1.000		20
	zxqprof	D:/ reading teacher teacher training	-0.360	0.119	20
	zxinserv	R:/ reading teacher inservice training effectiveness	0.195	0.505	14
	stch1yr	S/teachers (1 Year)	-0.199	0.401	20
	stch2yr	S/teachers (2 Year)	-0.003	0.990	20
	stch3yr	S/teachers (3 Year)	-0.153	0.519	20
	stchmore	S/teachers (more)	0.248	0.291	20
	stchshor	S/teachers (short)	0.025	0.918	20
	stchnott	S/teachers (no training)	0.181	0.444	20
	zsqtt	R:/ school head teacher training	0.100	0.675	20
	sqssec	S/qualification-special training	-0.070	0.768	20
	sqssecwk	S/# weeks special Training	-0.653	0.232	5
NIA	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.273	0.325	15
	zxinserv	R:/ reading teacher inservice training effectiveness	0.133	0.715	10
	stch1yr	S/teachers (1 Year)	-0.388	0.171	14
	stch2yr	S/teachers (2 Year)	-0.161	0.582	14
	stch3yr	S/teachers (3 Year)	-0.402	0.155	14
	stchmore	S/teachers (more)	0.221	0.449	14
	stchshor	S/teachers (short)	-0.186	0.523	14



	stchnott	S/teachers (no training)	-0.601	0.023	14
	zsqtt	R:/ school head teacher training	-0.451	0.106	14
	sqssec	S/qualification-special training	0.103	0.725	14
	sqssecwk	S/# weeks special Training	0.416	0.584	4
SOF	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.650	0.012	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.328	0.428	8
	stch1yr	S/teachers (1 Year)	-0.190	0.497	15
	stch2yr	S/teachers (2 Year)	0.285	0.304	15
	stch3yr	S/teachers (3 Year)	-0.003	0.993	15
	stchmore	S/teachers (more)	0.282	0.308	15
	stchshor	S/teachers (short)	0.543	0.037	15
	stchnott	S/teachers (no training)	0.185	0.509	15
	zsqtt	R:/ school head teacher training	-0.289	0.297	15
	sqssec	S/qualification-special training	0.219	0.433	15
	sqssecwk	S/# weeks special Training	-0.419	0.301	8
TET	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	0.373	0.171	15
	zxinserv	R:/ reading teacher inservice training effectiveness	0.420	0.261	9
	stch1yr	S/teachers (1 Year)	0.169	0.546	15
	stch2yr	S/teachers (2 Year)	0.077	0.785	15
	stch3yr	S/teachers (3 Year)	0.050	0.860	15
	stchmore	S/teachers (more)	0.176	0.530	15
	stchshor	S/teachers (short)	0.044	0.876	15
	stchnott	S/teachers (no training)	-0.321	0.243	15
	zsqtt	R:/ school head teacher training	0.231	0.407	15
	sqssec	S/qualification-special training	-0.029	0.917	15
	sqssecwk	S/# weeks special Training	.(a)	.	1
ZAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		18
	zxqprof	D:/ reading teacher teacher training	-0.017	0.947	18
	zxinserv	R:/ reading teacher inservice training effectiveness	.(a)	.	5
	stch1yr	S/teachers (1 Year)	0.202	0.421	18
	stch2yr	S/teachers (2 Year)	0.176	0.485	18
	stch3yr	S/teachers (3 Year)	0.274	0.272	18
	stchmore	S/teachers (more)	-0.345	0.161	18
	stchshor	S/teachers (short)	-0.396	0.104	18
	stchnott	S/teachers (no training)	-0.061	0.810	18
	zsqtt	R:/ school head teacher training	-0.251	0.316	18
	sqssec	S/qualification-special training	0.249	0.319	18
	sqssecwk	S/# weeks special Training	.(a)	.	3

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

a Cannot be computed because at least one of the variables is constant

## APPENDIX 63

### MOZAMBIQUE TEACHER TRAINING - MATHEMATICS

Prov	Var	Description	Pearson Corr	Sig	N
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CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14	
	zyqprof	D:/ math teacher teacher training	0.209	0.474	14	
	zyinserv	R:/ math teacher inservice training effectiveness	0.148	0.703	9	
	stch1yr	S/teachers (1 Year)	0.060	0.839	14	
	stch2yr	S/teachers (2 Year)	-0.180	0.537	14	
	stch3yr	S/teachers (3 Year)	-0.329	0.250	14	
	stchshor	S/teachers (more)	-0.388	0.170	14	
	stchnott	S/teachers (short)	-0.237	0.414	14	
	stchmore	S/teachers (no training)	-0.189	0.517	14	
	zsqtt	R:/ school head teacher training	0.122	0.679	14	
	sqssec	S/qualification-special training	-0.159	0.588	14	
	sqssecwk	S/# weeks special Training	1.000		2	
	GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zyqprof	D:/ math teacher teacher training	0.121	0.681	14
zyinserv		R:/ math teacher inservice training effectiveness	0.484	0.331	6	
stch1yr		S/teachers (1 Year)	0.149	0.597	15	
stch2yr		S/teachers (2 Year)	-0.314	0.254	15	
stch3yr		S/teachers (3 Year)	-0.041	0.886	15	
stchshor		S/teachers (more)	0.134	0.634	15	
stchnott		S/teachers (short)	-0.115	0.684	15	
stchmore		S/teachers (no training)	-0.581	<u>0.023</u>	15	
zsqtt		R:/ school head teacher training	-0.196	0.485	15	
sqssec		S/qualification-special training	0.644	<u>0.013</u>	14	
sqssecwk		S/# weeks special Training	-0.076	0.887	6	
INH		matotp	SCR:/ teacher math-all total raw score	1.000		14
		zyqprof	D:/ math teacher teacher training	-0.102	0.740	13
	zyinserv	R:/ math teacher inservice training effectiveness	-0.086	0.840	8	
	stch1yr	S/teachers (1 Year)	0.539	0.057	13	
	stch2yr	S/teachers (2 Year)	-0.251	0.409	13	
	stch3yr	S/teachers (3 Year)	-0.030	0.922	13	
	stchshor	S/teachers (more)	-0.311	0.301	13	
	stchnott	S/teachers (short)	0.540	0.057	13	
	stchmore	S/teachers (no training)	0.053	0.863	13	
	zsqtt	R:/ school head teacher training	-0.136	0.657	13	
	sqssec	S/qualification-special training	-0.328	0.274	13	
	sqssecwk	S/# weeks special Training	-0.748	0.252	4	
	MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20
		zyqprof	D:/ math teacher teacher training	0.467	<u>0.038</u>	20
zyinserv		R:/ math teacher inservice training effectiveness	0.522	0.184	8	
stch1yr		S/teachers (1 Year)	-0.130	0.607	18	
stch2yr		S/teachers (2 Year)	0.216	0.390	18	
stch3yr		S/teachers (3 Year)	-0.183	0.466	18	
stchshor		S/teachers (more)	-0.012	0.963	18	
stchnott		S/teachers (short)	-0.422	0.081	18	
stchmore		S/teachers (no training)	0.567	<u>0.014</u>	18	
zsqtt		R:/ school head teacher training	0.174	0.491	18	
sqssec		S/qualification-special training	-0.063	0.805	18	
sqssecwk		S/# weeks special Training	-0.028	0.932	12	



MAN	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zyqprof	D:/ math teacher teacher training	0.140	0.634	14
	zyinserv	R:/ math teacher inservice training effectiveness	0.877	0.123	4
	stch1yr	S/teachers (1 Year)	-0.312	0.351	11
	stch2yr	S/teachers (2 Year)	0.046	0.893	11
	stch3yr	S/teachers (3 Year)	0.078	0.820	11
	stchshor	S/teachers (more)	-0.017	0.961	11
	stchnott	S/teachers (short)	-0.179	0.599	11
	stchmore	S/teachers (no training)	-0.369	0.264	11
	zsqtt	R:/ school head teacher training	0.291	0.385	11
	sqssec	S/qualification-special training	-0.244	0.470	11
	sqssecwk	S/# weeks special Training	-0.814	0.093	5
MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zyqprof	D:/ math teacher teacher training	0.195	0.485	15
	zyinserv	R:/ math teacher inservice training effectiveness	0.334	0.464	7
	stch1yr	S/teachers (1 Year)	-0.170	0.546	15
	stch2yr	S/teachers (2 Year)	-0.103	0.715	15
	stch3yr	S/teachers (3 Year)	0.038	0.894	15
	stchshor	S/teachers (more)	-0.294	0.287	15
	stchnott	S/teachers (short)	-0.010	0.972	15
	stchmore	S/teachers (no training)	0.102	0.718	15
	zsqtt	R:/ school head teacher training	0.151	0.591	15
	sqssec	S/qualification-special training	0.210	0.453	15
	sqssecwk	S/# weeks special Training	-0.783	<u>0.004</u>	11
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zyqprof	D:/ math teacher teacher training	-0.127	0.593	20
	zyinserv	R:/ math teacher inservice training effectiveness	0.092	0.788	11
	stch1yr	S/teachers (1 Year)	-0.292	0.212	20
	stch2yr	S/teachers (2 Year)	0.199	0.399	20
	stch3yr	S/teachers (3 Year)	-0.322	0.167	20
	stchshor	S/teachers (more)	0.108	0.650	20
	stchnott	S/teachers (short)	0.017	0.942	20
	stchmore	S/teachers (no training)	0.386	0.093	20
	zsqtt	R:/ school head teacher training	0.081	0.734	20
	sqssec	S/qualification-special training	-0.338	0.145	20
	sqssecwk	S/# weeks special Training	-0.326	0.592	5
NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zyqprof	D:/ math teacher teacher training	-0.256	0.376	14
	zyinserv	R:/ math teacher inservice training effectiveness	-0.209	0.653	7
	stch1yr	S/teachers (1 Year)	0.031	0.917	14
	stch2yr	S/teachers (2 Year)	-0.165	0.572	14
	stch3yr	S/teachers (3 Year)	-0.205	0.482	14
	stchshor	S/teachers (more)	0.078	0.792	14
	stchnott	S/teachers (short)	-0.369	0.194	14
	stchmore	S/teachers (no training)	0.064	0.827	14
	zsqtt	R:/ school head teacher training	-0.617	<u>0.019</u>	14
	sqssec	S/qualification-special training	0.038	0.899	14
	sqssecwk	S/# weeks special Training	0.835	0.165	4



SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15	
	zyqprof	D:/ math teacher teacher training	0.032	0.913	14	
	zyinserv	R:/ math teacher inservice training effectiveness	0.025	0.950	9	
	stch1yr	S/teachers (1 Year)	-0.215	0.441	15	
	stch2yr	S/teachers (2 Year)	0.031	0.914	15	
	stch3yr	S/teachers (3 Year)	-0.413	0.126	15	
	stchshor	S/teachers (more)	0.530	<u>0.042</u>	15	
	stchnott	S/teachers (short)	-0.025	0.930	15	
	stchmore	S/teachers (no training)	0.070	0.805	15	
	zsqtt	R:/ school head teacher training	-0.325	0.238	15	
	sqssec	S/qualification-special training	0.240	0.389	15	
	sqssecwk	S/# weeks special Training	0.027	0.949	8	
	TET	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zyqprof	D:/ math teacher teacher training	0.001	0.998	15
zyinserv		R:/ math teacher inservice training effectiveness	-0.125	0.767	8	
stch1yr		S/teachers (1 Year)	-0.101	0.720	15	
stch2yr		S/teachers (2 Year)	-0.227	0.416	15	
stch3yr		S/teachers (3 Year)	-0.455	0.088	15	
stchshor		S/teachers (more)	0.476	0.073	15	
stchnott		S/teachers (short)	-0.500	0.058	15	
stchmore		S/teachers (no training)	-0.290	0.295	15	
zsqtt		R:/ school head teacher training	0.189	0.501	15	
sqssec		S/qualification-special training	-0.094	0.738	15	
sqssecwk		S/# weeks special Training	.(a)	.	1	
ZAM		matotp	SCR:/ teacher math-all total raw score	1.000		18
		zyqprof	D:/ math teacher teacher training	0.487	<u>0.041</u>	18
	zyinserv	R:/ math teacher inservice training effectiveness	.(a)	.	6	
	stch1yr	S/teachers (1 Year)	0.089	0.726	18	
	stch2yr	S/teachers (2 Year)	0.062	0.807	18	
	stch3yr	S/teachers (3 Year)	0.066	0.796	18	
	stchshor	S/teachers (more)	-0.241	0.335	18	
	stchnott	S/teachers (short)	-0.067	0.792	18	
	stchmore	S/teachers (no training)	-0.176	0.485	18	
	zsqtt	R:/ school head teacher training	-0.406	0.095	18	
	sqssec	S/qualification-special training	0.140	0.579	18	
	sqssecwk	S/# weeks special Training	.(a)	.	3	

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

a Cannot be computed because at least one of the variables is constant





**APPENDIX 64**  
**MOZAMBIQUE TEACHER CHARACTERISTICS - READING**

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ Pupil math-all total raw score	1.000		14
	zxsex	R:/ reading teacher sex	0.051	0.869	13
	zixelvl	D:/ reading teacher age level	-0.257	0.375	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.065	0.824	14
	zlight	R:/ reading teacher source of lighting	0.464	0.095	14
	zxcondli	R:/ reading teacher home condition	-0.013	0.965	14
	zssex	R:/ school head sex	0.069	0.814	14
	zsixelvl	R:/ school head age level	-0.299	0.299	14
GAZ	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.335	0.242	14
	zixelvl	D:/ reading teacher age level	0.536	0.048	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.023	0.939	14
	zlight	R:/ reading teacher source of lighting	0.182	0.533	14
	zxcondli	R:/ reading teacher home condition	-0.114	0.699	14
	zssex	R:/ school head sex	-0.314	0.275	14
	zsixelvl	R:/ school head age level	0.032	0.913	14
INH	ratotp	SCR:/ Pupil math-all total raw score	1.000		14
	zxsex	R:/ reading teacher sex	0.113	0.701	14
	zixelvl	D:/ reading teacher age level	0.414	0.141	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.580	0.030	14
	zlight	R:/ reading teacher source of lighting	0.543	0.045	14
	zxcondli	R:/ reading teacher home condition	0.047	0.873	14
	zssex	R:/ school head sex	0.394	0.183	13
	zsixelvl	R:/ school head age level	0.402	0.173	13
MAC	ratotp	SCR:/ Pupil math-all total raw score	1.000		20
	zxsex	R:/ reading teacher sex	-0.109	0.647	20
	zixelvl	D:/ reading teacher age level	-0.074	0.758	20
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.361	0.117	20
	zlight	R:/ reading teacher source of lighting	0.477	0.033	20
	zxcondli	R:/ reading teacher home condition	0.033	0.890	20
	zssex	R:/ school head sex	0.286	0.251	18
	zsixelvl	R:/ school head age level	0.152	0.546	18
MAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.011	0.971	14
	zixelvl	D:/ reading teacher age level	-0.029	0.922	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.025	0.934	14
	zlight	R:/ reading teacher source of lighting	0.094	0.750	14
	zxcondli	R:/ reading teacher home condition	-0.128	0.664	14
	zssex	R:/ school head sex	.(a)	.	11
	zsixelvl	R:/ school head age level	0.028	0.936	11
MAP	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	0.230	0.409	15
	zixelvl	D:/ reading teacher age level	0.191	0.495	15
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.054	0.848	15
	zlight	R:/ reading teacher source of lighting	0.205	0.463	15
	zxcondli	R:/ reading teacher home condition	-0.196	0.484	15
	zssex	R:/ school head sex	-0.165	0.557	15
	zsixelvl	R:/ school head age level	0.193	0.490	15
NAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		20



	zxsex	R:/ reading teacher sex	0.094	0.694	20
	zixelvl	D:/ reading teacher age level	0.004	0.986	20
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.160	0.501	20
	zxlight	R:/ reading teacher source of lighting	0.030	0.900	20
	zxcondli	R:/ reading teacher home condition	-0.280	0.231	20
	zssex	R:/ school head sex	0.200	0.397	20
	zixelvl	R:/ school head age level	0.054	0.822	20
NIA	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.038	0.894	15
	zixelvl	D:/ reading teacher age level	0.293	0.290	15
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.378	0.165	15
	zxlight	R:/ reading teacher source of lighting	-0.352	0.199	15
	zxcondli	R:/ reading teacher home condition	-0.163	0.563	15
	zssex	R:/ school head sex	.(a)	.	14
	zixelvl	R:/ school head age level	0.254	0.381	14
SOF	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	0.258	0.373	14
	zixelvl	D:/ reading teacher age level	-0.025	0.933	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.137	0.641	14
	zxlight	R:/ reading teacher source of lighting	0.039	0.894	14
	zxcondli	R:/ reading teacher home condition	0.066	0.822	14
	zssex	R:/ school head sex	-0.386	0.173	14
	zixelvl	R:/ school head age level	-0.251	0.367	15
TET	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.040	0.887	15
	zixelvl	D:/ reading teacher age level	0.273	0.325	15
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.086	0.760	15
	zxlight	R:/ reading teacher source of lighting	-0.136	0.630	15
	zxcondli	R:/ reading teacher home condition	-0.275	0.321	15
	zssex	R:/ school head sex	.(a)	.	15
	zixelvl	R:/ school head age level	0.079	0.779	15
ZAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		18
	zxsex	R:/ reading teacher sex	0.394	0.105	18
	zixelvl	D:/ reading teacher age level	0.122	0.629	18
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.163	0.519	18
	zxlight	R:/ reading teacher source of lighting	-0.339	0.169	18
	zxcondli	R:/ reading teacher home condition	-0.372	0.129	18
	zssex	R:/ school head sex	.(a)	.	18
	zixelvl	R:/ school head age level	-0.060	0.812	18

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.

## APPENDIX 64

### MOZAMBIQUE TEACHER CHARACTERISTICS - MATHEMATICS

Prov	Variables	Description	Pearson Cor	Sig	N
CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zysex	R:/ reading teacher sex	.(a)	.	14
	zyixelvl	D:/ math teacher age level	-0.018	0.951	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.269	0.353	14
	zylight	R:/ math teacher source of lighting	0.282	0.328	14
	zycondli	R:/ math teacher home condition	-0.221	0.448	14



	zssex	R:/ school head sex	-0.057	0.846	14
	zsagelvl	R:/ school head age level	-0.021	0.944	14
GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	0.047	0.872	14
	zyagelvl	D:/ math teacher age level	0.106	0.719	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.284	0.324	14
	zylight	R:/ math teacher source of lighting	0.186	0.523	14
	zycondli	R:/ math teacher home condition	-0.159	0.586	14
	zssex	R:/ school head sex	-0.080	0.786	14
	zsagelvl	R:/ school head age level	0.250	0.390	14
INH	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zysex	R:/ reading teacher sex	-0.124	0.685	13
	zyagelvl	D:/ math teacher age level	0.331	0.270	13
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.362	0.224	13
	zylight	R:/ math teacher source of lighting	0.515	0.072	13
	zycondli	R:/ math teacher home condition	-0.049	0.873	13
	zssex	R:/ school head sex	0.479	0.098	13
	zsagelvl	R:/ school head age level	0.568	<u>0.043</u>	13
MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zysex	R:/ reading teacher sex	-0.092	0.700	20
	zyagelvl	D:/ math teacher age level	0.046	0.847	20
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.085	0.722	20
	zylight	R:/ math teacher source of lighting	-0.165	0.487	20
	zycondli	R:/ math teacher home condition	0.351	0.129	20
	zssex	R:/ school head sex	-0.127	0.615	18
	zsagelvl	R:/ school head age level	0.237	0.345	18
MAN	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	0.131	0.656	14
	zyagelvl	D:/ math teacher age level	-0.231	0.428	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.148	0.614	14
	zylight	R:/ math teacher source of lighting	0.253	0.383	14
	zycondli	R:/ math teacher home condition	-0.005	0.987	14
	zssex	R:/ school head sex	.(a)	.	11
	zsagelvl	R:/ school head age level	-0.204	0.548	11
MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	-0.165	0.556	15
	zyagelvl	D:/ math teacher age level	0.071	0.803	15
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.058	0.837	15
	zylight	R:/ math teacher source of lighting	-0.089	0.751	15
	zycondli	R:/ math teacher home condition	-0.146	0.605	15
	zssex	R:/ school head sex	0.154	0.584	15
	zsagelvl	R:/ school head age level	0.533	<u>0.041</u>	15
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zysex	R:/ reading teacher sex	0.133	0.576	20
	zyagelvl	D:/ math teacher age level	-0.268	0.253	20
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.033	0.891	20
	zylight	R:/ math teacher source of lighting	0.233	0.322	20
	zycondli	R:/ math teacher home condition	-0.285	0.223	20
	zssex	R:/ school head sex	-0.001	0.997	20
	zsagelvl	R:/ school head age level	-0.262	0.264	20
NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	.(a)	.	14
	zyagelvl	D:/ math teacher age level	-0.597	<u>0.024</u>	14



	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.179	0.541	14
	zylight	R:/ math teacher source of lighting	-0.446	0.110	14
	zycondli	R:/ math teacher home condition	-0.171	0.558	14
	zssex	R:/ school head sex	.(a)	.	14
	zsagelvl	R:/ school head age level	0.230	0.429	14
SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	-0.340	0.234	14
	zyagelvl	D:/ math teacher age level	0.050	0.866	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.022	0.942	14
	zylight	R:/ math teacher source of lighting	-0.224	0.441	14
	zycondli	R:/ math teacher home condition	0.065	0.826	14
	zssex	R:/ school head sex	-0.451	0.105	14
	zsagelvl	R:/ school head age level	-0.316	0.252	15
TET	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	0.330	0.229	15
	zyagelvl	D:/ math teacher age level	-0.427	0.113	15
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.247	0.375	15
	zylight	R:/ math teacher source of lighting	-0.373	0.171	15
	zycondli	R:/ math teacher home condition	-0.214	0.444	15
	zssex	R:/ school head sex	.(a)	.	15
	zsagelvl	R:/ school head age level	0.111	0.693	15
ZAM	matotp	SCR:/ teacher math-all total raw score	1.000		18
	zysex	R:/ reading teacher sex	0.023	0.929	17
	zyagelvl	D:/ math teacher age level	-0.151	0.549	18
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.020	0.937	18
	zylight	R:/ math teacher source of lighting	-0.022	0.930	18
	zycondli	R:/ math teacher home condition	-0.273	0.273	18
	zssex	R:/ school head sex	.(a)	.	18
	zsagelvl	R:/ school head age level	-0.322	0.193	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 65**  
**SACMEQ TEACHER TRAINING CONSTRUCT - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N
BOT	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		170
	zxqprof	Reading teacher professional training	0.110	0.154	170
	stch1yr	Teacher training 1 year	0.137	0.075	170
	stch2yr	Teacher training 2 years	-0.046	0.548	170
	stch3yr	Teacher training 3 years	0.080	0.302	170
	stchmore	Teacher training more than years	0.574	<u>0.000</u>	170
	stchshor	Teacher training short	-0.194	<u>0.011</u>	170
	stchnott	No Teacher training	0.055	0.480	170
	zxinserv	In-service teacher training	-0.003	0.973	148
	zsqtt	School head teacher training	0.335	<u>0.000</u>	170
	sqssec	School head special training	0.217	<u>0.004</u>	170
	sqssecwk	School head weeks special training	0.336	<u>0.001</u>	92
	KEN	ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
zxqprof		Professional training	0.014	0.859	175
stch1yr		Teacher training 1 years	-0.060	0.418	184
stch2yr		Teacher training 2 years	0.378	<u>0.000</u>	184
stch3yr		Teacher training 3 year	-0.151	<u>0.040</u>	184
stchmore		Teacher training more than years	0.014	0.847	184
stchshor		No Teacher training	0.153	<u>0.039</u>	184
stchnott		Teacher training short	-0.003	0.964	184
zxinserv		In-service teacher training	-0.132	0.155	118
zsqtt		School head teacher training	0.011	0.880	184
sqssec		School head special training	.(a)	.	184
sqssecwk		School head weeks special training	0.112	0.129	184
LES		ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
	zxqprof	Professional training	0.032	0.671	177
	stch1yr	Teacher training 1 year	0.063	0.408	177
	stch2yr	Teacher training 2 year	-0.020	0.788	177
	stch3yr	Teacher training 3 year	0.201	<u>0.007</u>	177
	stchmore	Teacher training more than year	0.073	0.336	177
	stchnott	No Teacher training	-0.034	0.654	177
	stchshor	Teacher training short	0.052	0.490	177
	zxinserv	In-service teacher training	-0.131	0.214	91
	zsqtt	School head teacher training	-0.013	0.860	177
	sqssec	School head special training	-0.027	0.726	177
	sqssecwk	School head weeks special training	0.027	0.773	120
	MAL	ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
zxqprof		Professional training	0.112	0.190	139
stch1yr		Teacher training 1 year	0.206	<u>0.015</u>	140
stch2yr		Teacher training 2 years	0.398	<u>0.000</u>	140
stch3yr		Teacher training 3 years	0.152	0.074	140
stchmore		Teacher training more than years	0.099	0.242	140
stchnott		No Teacher training	0.090	0.308	130
stchshor		Teacher training short	0.182	<u>0.032</u>	140
zxinserv		In-service teacher training	0.212	0.161	45
zsqtt		School head teacher training	-0.036	0.669	140
sqssec		School head special training	-0.054	0.530	140
sqssecwk		School head weeks special training	-0.092	0.280	140
MAU		ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
	zxqprof	Professional training	-0.036	0.662	153



	stch1yr	Teacher training 1 year	0.081	0.317	153
	stch2yr	Teacher training 2 year	0.208	<u>0.010</u>	153
	stch3yr	Teacher training 3 year	0.183	<u>0.024</u>	153
	stchmore	Teacher training more than year	0.088	0.281	153
	stchnott	No Teacher training	0.185	<u>0.022</u>	153
	stchshor	Teacher training short	-0.074	0.361	153
	zxinserv	In-service teacher training	0.038	0.665	132
	zsqtt	School head teacher training	-0.009	0.915	153
	sqssec	School head special training	.(a)	.	153
	sqssecwk	School head weeks special training	-0.104	0.199	153
MOZ	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		176
	zxqprof	Professional training	0.124	0.103	173
	stch1yr	Teacher training 1 year	0.141	0.068	168
	stch2yr	Teacher training 2 years	0.237	<u>0.002</u>	168
	stch3yr	Teacher training 3 years	0.148	0.056	168
	stchmore	Teacher training more than years	0.183	<u>0.017</u>	168
	stchnott	No Teacher training	-0.194	<u>0.012</u>	168
	stchshor	Teacher training short	0.220	<u>0.004</u>	168
	zxinserv	In-service teacher training	0.105	0.347	82
	zsqtt	School head teacher training	-0.056	0.468	168
	sqssec	School head special training	0.170	<u>0.028</u>	167
	sqssecwk	School head weeks special training	0.028	0.832	61
NAM	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		270
	zxqprof	Professional training	0.329	<u>0.000</u>	269
	stch1yr	Teacher training 1 year	-0.147	<u>0.016</u>	270
	stch2yr	Teacher training 2 years	-0.182	<u>0.003</u>	270
	stch3yr	Teacher training 3 years	0.244	<u>0.000</u>	270
	stchmore	Teacher training more than years	0.624	<u>0.000</u>	270
	stchnott	No Teacher training	-0.260	<u>0.000</u>	270
	stchshor	Teacher training short	-0.046	0.452	270
	zxinserv	In-service teacher training	-0.091	0.217	186
	zsqtt	School head teacher training	0.430	<u>0.000</u>	270
	sqssec	School head special training	0.070	0.250	270
	sqssecwk	School head weeks special training	0.049	0.482	208
SEY	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		24
	zxqprof	Professional training	0.308	0.143	24
	stch1yr	Teacher training 1 year	0.058	0.789	24
	stch2yr	Teacher training 2 years	0.093	0.666	24
	stch3yr	Teacher training 3 years	0.015	0.943	24
	stchmore	Teacher training more than years	0.051	0.812	24
	stchnott	No Teacher training	-0.291	0.167	24
	stchshor	Teacher training short	-0.056	0.795	24
	zxinserv	In-service teacher training	-0.232	0.386	16
	zsqtt	School head teacher training	-0.141	0.510	24
	sqssec	School head special training	0.129	0.549	24
	sqssecwk	School head weeks special training	0.079	0.762	17
SOU	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		169
	zxqprof	Professional training	0.388	<u>0.000</u>	164
	stch1yr	Teacher training 1 year	-0.027	0.730	167
	stch2yr	Teacher training 2 years	-0.267	<u>0.000</u>	167
	stch3yr	Teacher training 3 years	-0.158	<u>0.041</u>	167
	stchmore	Teacher training more than years	0.596	<u>0.000</u>	167
	stchnott	No Teacher training	-0.130	0.095	167
	stchshor	Teacher training short	0.046	0.559	167



	zxinserv	In-service teacher training	-0.198	<u>0.031</u>	118
	zsqtt	School head teacher training	0.375	<u>0.000</u>	167
	sqssec	School head special training	0.139	0.075	166
	sqssecwk	School head weeks special training	0.143	0.123	118
SWA	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		168
	zxqprof	Professional training	-0.093	0.238	164
	stch1yr	Teacher training 1 year	-0.122	0.115	168
	stch2yr	Teacher training 2 years	0.072	0.354	168
	stch3yr	Teacher training 3 years	0.131	0.090	168
	stchmore	Teacher training more than years	0.359	<u>0.000</u>	168
	stchnott	No Teacher training	-0.260	<u>0.001</u>	168
	stchshor	Teacher training short	-0.050	0.523	168
	zxinserv	In-service teacher training	-0.226	<u>0.028</u>	95
	zsqtt	School head teacher training	0.140	0.071	168
	sqssec	School head special training	0.145	0.061	168
	sqssecwk	School head weeks special training	0.231	<u>0.003</u>	168
TAN	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		181
	zxqprof	Professional training	-0.134	0.074	179
	stch1yr	Teacher training 1 year	0.073	0.328	181
	stch2yr	Teacher training 2 years	0.459	<u>0.000</u>	181
	stch3yr	Teacher training 3 years	0.136	0.069	181
	stchmore	Teacher training more than years	-0.011	0.878	181
	stchnott	No Teacher training	-0.016	0.832	181
	stchshor	Teacher training short	0.002	0.982	181
	zxinserv	In-service teacher training	-0.296	0.067	39
	zsqtt	School head teacher training	-0.132	0.077	181
	sqssec	School head special training	-0.032	0.670	177
	sqssecwk	School head weeks special training	0.133	0.131	131
UGA	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		163
	zxqprof	Professional training	0.115	0.148	159
	stch1yr	Teacher training 1 year	-0.078	0.322	163
	stch2yr	Teacher training 2 year	0.299	<u>0.000</u>	163
	stch3yr	Teacher training 3 year	-0.046	0.559	163
	stchmore	Teacher training more than year	0.043	0.590	163
	stchnott	No Teacher training	-0.100	0.205	163
	stchshor	Teacher training short	-0.179	<u>0.022</u>	163
	zxinserv	In-service teacher training	0.062	0.504	118
	zsqtt	School head teacher training	0.016	0.839	163
	sqssec	School head special training	0.153	0.051	163
	sqssecwk	School head weeks special training	0.082	0.296	163
ZAM	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		173
	zxqprof	Professional training	0.136	0.078	169
	stch1yr	Teacher training 1 years	0.239	<u>0.002</u>	169
	stch2yr	Teacher training 2 years	0.543	<u>0.000</u>	169
	stch3yr	Teacher training 3 years	0.095	0.219	169
	stchmore	Teacher training more than year	0.246	<u>0.001</u>	169
	stchshor	No Teacher training	0.065	0.401	169
	stchnott	Teacher training short	0.026	0.733	169
	zxinserv	In-service teacher training	0.257	<u>0.012</u>	94
	zsqtt	School head teacher training	0.245	<u>0.001</u>	169
	sqssec	School head special training	0.135	0.085	165
	sqssecwk	School head weeks special training	0.002	0.983	133
ZAN	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		145
	zxqprof	Professional training	0.081	0.341	140



	stch1yr	Teacher training 1 year	-0.003	0.975	145
	stch2yr	Teacher training 2 years	0.311	<u>0.000</u>	145
	stch3yr	Teacher training 3 years	0.001	0.993	145
	stchmore	Teacher training more than years	0.017	0.835	145
	stchnott	No Teacher training	-0.071	0.433	125
	stchshor	Teacher training short	-0.033	0.694	145
	zxinserv	In-service teacher training	0.135	0.179	101
	zsqtt	School head teacher training	-0.083	0.318	145
	sqssec	School head special training	0.062	0.461	145
	sqssecwk	School head weeks special training	-0.044	0.660	103

- \*\* Correlation is significant at the 0.01 level (2-tailed).  
\* Correlation is significant at the 0.05 level (2-tailed).  
a Cannot be computed because at least one of the variables is constant.

## APPENDIX 65

### SACMEQ TEACHER TRAINING CONSTRUCT - MATHEMATICS

Countries	Variables	Description	Pearson Cor	Sig	N
BOT	matotp	SCR:/ Pupils' math-all total raw score	1.000		170
	zxqprof	Professional training	0.098	0.204	170
	stch1yr	Teacher training 1 year	0.078	0.343	148
	stch2yr	Teacher training 2 years	0.208	<u>0.007</u>	170
	stch3yr	Teacher training 3 years	-0.141	0.067	170
	stchmore	Teacher training more than years	0.100	0.194	170
	stchnott	No Teacher training	0.608	<u>0.000</u>	170
	stchshor	Teacher training short	-0.157	<u>0.042</u>	170
	zxinserv	In-service teacher training	0.095	0.219	170
	zsqtt	School head teacher training	0.327	<u>0.000</u>	170
	sqssec	School head special training	0.193	<u>0.012</u>	170
	sqssecwk	School head weeks special training	0.350	<u>0.001</u>	92
KEN	matotp	SCR:/ Pupils' math-all total raw score	1.000		185
	zxqprof	Professional training	0.053	0.482	180
	stch1yr	Teacher training 1 year	0.111	0.232	118
	stch2yr	Teacher training 2 years	-0.047	0.528	184
	stch3yr	Teacher training 3 years	0.274	<u>0.000</u>	184
	stchmore	Teacher training more than years	-0.147	<u>0.046</u>	184
	stchnott	No Teacher training	0.069	0.352	184
	stchshor	Teacher training short	0.170	<u>0.021</u>	184
	zxinserv	In-service teacher training	-0.009	0.904	184
	zsqtt	School head teacher training	-0.023	0.752	184
	sqssec	School head special training	.(a)	.	184
	sqssecwk	School head weeks special training	0.097	0.189	184
LES	matotp	SCR:/ Pupils' math-all total raw score	1.000		177
	zxqprof	Professional training	0.038	0.613	177
	stch1yr	Teacher training 1 year	-0.204	0.053	91
	stch2yr	Teacher training 2 years	0.057	0.449	177
	stch3yr	Teacher training 3 years	0.013	0.866	177
	stchmore	Teacher training more than years	0.057	0.448	177
	stchnott	No Teacher training	0.132	0.081	177
	stchshor	Teacher training short	-0.053	0.482	177
	zxinserv	In-service teacher training	-0.033	0.667	177
	zsqtt	School head teacher training	-0.018	0.811	177
	sqssec	School head special training	0.010	0.896	177
	sqssecwk	School head weeks special training	0.068	0.460	120





MAL	matotp	SCR:/ Pupils´math-all total raw score	1.000		140	
	zxqprof	Professional training	0.073	0.395	136	
	stch1yr	Teacher training 1 year	0.025	0.872	43	
	stch2yr	Teacher training 2 years	0.123	0.149	140	
	stch3yr	Teacher training 3 years	0.343	<u>0.000</u>	140	
	stchmore	Teacher training more than years	0.069	0.417	140	
	stchnott	No Teacher training	0.050	0.561	140	
	stchshor	Teacher training short	-0.054	0.541	130	
	zxinserv	In-service teacher training	0.177	<u>0.037</u>	140	
	zsqtt	School head teacher training	0.062	0.469	140	
	sqssec	School head special training	-0.045	0.598	140	
	sqssecwk	School head weeks special training	-0.137	0.106	140	
	MAU	matotp	SCR:/ Pupils´math-all total raw score	1.000		153
		zxqprof	Professional training	-0.005	0.951	153
stch1yr		Teacher training 1 year	0.011	0.897	132	
stch2yr		Teacher training 2 years	0.124	0.128	153	
stch3yr		Teacher training 3 years	0.164	<u>0.042</u>	153	
stchmore		Teacher training more than years	0.214	<u>0.008</u>	153	
stchnott		No Teacher training	0.137	0.092	153	
stchshor		Teacher training short	0.195	<u>0.016</u>	153	
zxinserv		In-service teacher training	-0.042	0.603	153	
zsqtt		School head teacher training	0.035	0.671	153	
sqssec		School head special training	.(a)	.	153	
sqssecwk		School head weeks special training	-0.052	0.521	153	
MOZ		matotp	SCR:/ Pupils´math-all total raw score	1.000		176
		zxqprof	Professional training	0.182	0.017	171
	stch1yr	Teacher training 1 year	-0.090	0.419	83	
	stch2yr	Teacher training 2 years	0.175	<u>0.024</u>	168	
	stch3yr	Teacher training 3 years	0.098	0.204	168	
	stchmore	Teacher training more than years	0.015	0.842	168	
	stchnott	No Teacher training	0.140	0.071	168	
	stchshor	Teacher training short	-0.183	<u>0.018</u>	168	
	zxinserv	In-service teacher training	0.127	0.101	168	
	zsqtt	School head teacher training	-0.094	0.223	168	
	sqssec	School head special training	0.167	<u>0.031</u>	167	
	sqssecwk	School head weeks special training	-0.088	0.500	61	
	NAM	matotp	SCR:/ Pupils´math-all total raw score	1.000		270
		zxqprof	Professional training	0.322	<u>0.000</u>	270
stch1yr		Teacher training 1 year	-0.140	<u>0.050</u>	198	
stch2yr		Teacher training 2 years	-0.130	<u>0.033</u>	270	
stch3yr		Teacher training 3 years	-0.247	<u>0.000</u>	270	
stchmore		Teacher training more than years	0.166	<u>0.006</u>	270	
stchnott		No Teacher training	0.644	<u>0.000</u>	270	
stchshor		Teacher training short	-0.215	<u>0.000</u>	270	
zxinserv		In-service teacher training	-0.060	0.325	270	
zsqtt		School head teacher training	0.391	<u>0.000</u>	270	
sqssec		School head special training	0.092	0.133	270	
sqssecwk		School head weeks special training	0.014	0.842	208	
SEY		matotp	SCR:/ Pupils´math-all total raw score	1.000		24
		zxqprof	Professional training	-0.105	0.625	24
	stch1yr	Teacher training 1 year	0.149	0.569	17	
	stch2yr	Teacher training 2 years	0.096	0.657	24	
	stch3yr	Teacher training 3 years	0.196	0.358	24	
	stchmore	Teacher training more than years	0.052	0.809	24	



	stchnott	No Teacher training	0.025	0.908	24
	stchshor	Teacher training short	-0.212	0.320	24
	zxinserv	In-service teacher training	-0.106	0.623	24
	zsqtt	School head teacher training	-0.118	0.583	24
	sqssec	School head special training	0.096	0.654	24
	sqssecwk	School head weeks special training	0.034	0.898	17
SOU	matotp	SCR:/ Pupils´math-all total raw score	1.000		169
	zxqprof	Professional training	0.407	<u>0.000</u>	163
	stch1yr	Teacher training 1 year	-0.234	<u>0.011</u>	118
	stch2yr	Teacher training 2 years	-0.084	0.279	167
	stch3yr	Teacher training 3 years	-0.298	<u>0.000</u>	167
	stchmore	Teacher training more than years	-0.221	<u>0.004</u>	167
	stchnott	No Teacher training	0.629	<u>0.000</u>	167
	stchshor	Teacher training short	-0.048	0.538	167
	zxinserv	In-service teacher training	0.056	0.470	167
	zsqtt	School head teacher training	0.343	<u>0.000</u>	167
	sqssec	School head special training	0.127	0.102	166
	sqssecwk	School head weeks special training	0.088	0.344	118
SWA	matotp	SCR:/ Pupils´math-all total raw score	1.000		168
	zxqprof	Professional training	0.071	0.363	166
	stch1yr	Teacher training 1 year	0.038	0.727	87
	stch2yr	Teacher training 2 years	-0.014	0.853	168
	stch3yr	Teacher training 3 years	-0.046	0.555	168
	stchmore	Teacher training more than years	0.135	0.082	168
	stchnott	No Teacher training	0.196	<u>0.011</u>	168
	stchshor	Teacher training short	-0.106	0.172	168
	zxinserv	In-service teacher training	-0.094	0.225	168
	zsqtt	School head teacher training	0.163	<u>0.035</u>	168
	sqssec	School head special training	0.109	0.159	168
	sqssecwk	School head weeks special training	0.186	<u>0.016</u>	168
TAN	matotp	SCR:/ Pupils´math-all total raw score	1.000		181
	zxqprof	Professional training	-0.227	<u>0.002</u>	178
	stch1yr	Teacher training 1 year	0.305	<u>0.023</u>	55
	stch2yr	Teacher training 2 years	0.052	0.488	181
	stch3yr	Teacher training 3 years	0.330	<u>0.000</u>	181
	stchmore	Teacher training more than years	0.129	0.084	181
	stchnott	No Teacher training	-0.011	0.885	181
	stchshor	Teacher training short	-0.060	0.423	181
	zxinserv	In-service teacher training	0.033	0.662	181
	zsqtt	School head teacher training	-0.217	<u>0.003</u>	181
	sqssec	School head special training	-0.107	0.156	177
	sqssecwk	School head weeks special training	0.077	0.380	131
UGA	matotp	SCR:/ Pupils´math-all total raw score	1.000		163
	zxqprof	Professional training	0.035	0.705	122
	stch1yr	Teacher training 1 year	0.111	0.347	74
	stch2yr	Teacher training 2 years	-0.104	0.185	163
	stch3yr	Teacher training 3 years	0.198	<u>0.011</u>	163
	stchmore	Teacher training more than years	-0.064	0.418	163
	stchnott	No Teacher training	-0.024	0.758	163
	stchshor	Teacher training short	-0.135	0.086	163
	zxinserv	In-service teacher training	-0.078	0.321	163
	zsqtt	School head teacher training	-0.027	0.732	163
	sqssec	School head special training	0.110	0.160	163
	sqssecwk	School head weeks special training	0.023	0.767	163



ZAM	matotp	SCR:/ Pupils´math-all total raw score	1.000		173
	zxqprof	Professional training	0.076	0.325	170
	stch1yr	Teacher training 1 year	0.234	<u>0.022</u>	95
	stch2yr	Teacher training 2 years	0.028	0.722	169
	stch3yr	Teacher training 3 years	0.429	<u>0.000</u>	169
	stchmore	Teacher training more than years	0.028	0.715	169
	stchnott	No Teacher training	0.217	<u>0.005</u>	169
	stchshor	Teacher training short	-0.001	0.987	169
	zxinserv	In-service teacher training	0.044	0.573	169
	zsqtt	School head teacher training	0.160	<u>0.038</u>	169
	sqspeck	School head special training	0.057	0.466	165
	sqspeckwk	School head weeks special training	0.039	0.652	133
ZAN	matotp	SCR:/ Pupils´math-all total raw score	1.000		145
	zxqprof	Professional training	0.094	0.271	138
	stch1yr	Teacher training 1 year	-0.096	0.361	93
	stch2yr	Teacher training 2 years	-0.045	0.593	145
	stch3yr	Teacher training 3 years	0.051	0.546	145
	stchmore	Teacher training more than years	0.006	0.940	145
	stchnott	No Teacher training	0.251	<u>0.002</u>	145
	stchshor	Teacher training short	-0.168	0.061	125
	zxinserv	In-service teacher training	-0.059	0.480	145
	zsqtt	School head teacher training	-0.022	0.788	145
	sqspeck	School head special training	-0.009	0.915	145
	sqspeckwk	School head weeks special training	-0.108	0.277	103

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 66**

**SACMEQ TEACHERS' CHARACTERISTICS CONSTRUCT - READING**

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	ratotp	Pupil reading total raw score	1.000		170
	zxsex	Teachers' sex	0.025	0.747	168
	zxagelvl	Teachers' age level	0.316	<u>0.000</u>	170
	zxhpos13	Teachers' possession	0.293	<u>0.000</u>	170
	zxlight	Teachers' source of lighting	0.387	<u>0.000</u>	170
	zxcondli	Teachers living condion	0.282	<u>0.000</u>	170
	zssex	School head sex	0.114	0.139	170
	zsagelvl	School head age level	0.069	0.369	170
KEN	ratotp	Pupil reading total raw score	1.000		185
	zxsex	Teachers' sex	0.314	<u>0.000</u>	174
	zxagelvl	Teachers' age level	-0.021	0.784	175
	zxhpos13	Teachers' possession	0.214	<u>0.004</u>	175
	zxlight	Teachers' source of lighting	0.325	<u>0.000</u>	175
	zxcondli	Teachers living condion	0.123	0.105	175
	zssex	School head sex	0.240	<u>0.001</u>	184
	zsagelvl	School head age level	-0.019	0.797	184
LES	ratotp	Pupil reading total raw score	1.000		177
	zxsex	Teachers' sex	0.089	0.238	177
	zxagelvl	Teachers' age level	0.056	0.460	177
	zxhpos13	Teachers' possession	0.202	<u>0.007</u>	177
	zxlight	Teachers' source of lighting	0.274	<u>0.000</u>	177
	zxcondli	Teachers living condion	0.036	0.631	177
	zssex	School head sex	0.144	0.056	177
	zsagelvl	School head age level	-0.004	0.961	177
MAL	ratotp	Pupil reading total raw score	1.000		140
	zxsex	Teachers' sex	0.378	<u>0.000</u>	139
	zxagelvl	Teachers' age level	-0.119	0.165	139
	zxhpos13	Teachers' possession	0.087	0.306	139
	zxlight	Teachers' source of lighting	0.317	<u>0.000</u>	139
	zxcondli	Teachers living condion	0.110	0.199	139
	zssex	School head sex	-0.013	0.878	140
	zsagelvl	School head age level	-0.076	0.372	140
MAU	ratotp	Pupil reading total raw score	1.000		153
	zxsex	Teachers' sex	-0.064	0.429	153
	zxagelvl	Teachers' age level	0.140	0.084	153
	zxhpos13	Teachers' possession	0.139	0.086	153
	zxlight	Teachers' source of lighting	.(a)	.	153
	zxcondli	Teachers living condion	0.056	0.490	153
	zssex	School head sex	-0.024	0.771	153
	zsagelvl	School head age level	-0.022	0.789	153
MOZ	ratotp	Pupil reading total raw score	1.000		176
	zxsex	Teachers' sex	0.133	0.082	172
	zxagelvl	Teachers' age level	0.141	0.064	173
	zxhpos13	Teachers' possession	0.181	<u>0.017</u>	173
	zxlight	Teachers' source of lighting	0.322	<u>0.000</u>	173
	zxcondli	Teachers living condion	-0.098	0.200	173
	zssex	School head sex	0.168	<u>0.031</u>	166
	zsagelvl	School head age level	0.133	0.088	167
NAM	ratotp	Pupil reading total raw score	1.000		270
	zxsex	Teachers' sex	0.233	<u>0.000</u>	269



	zxagelvl	Teachers' age level	0.246	<u>0.000</u>	269
	zxhpos13	Teachers' possession	0.532	<u>0.000</u>	269
	zxlight	Teachers' source of lighting	0.449	<u>0.000</u>	269
	zxcondli	Teachers living condion	0.374	<u>0.000</u>	269
	zssex	School head sex	-0.107	0.080	270
	zsagelvl	School head age level	0.055	0.371	270
<b>SEY</b>	ratotp	Pupil reading total raw score	1.000		24
	zxsex	Teachers' sex	0.289	0.170	24
	zxagelvl	Teachers' age level	0.160	0.456	24
	zxhpos13	Teachers' possession	-0.157	0.465	24
	zxlight	Teachers' source of lighting	.(a)	.	24
	zxcondli	Teachers living condion	0.144	0.502	24
	zssex	School head sex	-0.115	0.593	24
	zsagelvl	School head age level	0.207	0.331	24
<b>SOU</b>	ratotp	Pupil reading total raw score	1.000		169
	zxsex	Teachers' sex	0.210	<u>0.007</u>	163
	zxagelvl	Teachers' age level	0.060	0.443	164
	zxhpos13	Teachers' possession	0.275	<u>0.000</u>	164
	zxlight	Teachers' source of lighting	0.242	<u>0.002</u>	164
	zxcondli	Teachers living condion	0.303	<u>0.000</u>	164
	zssex	School head sex	-0.062	0.427	167
	zsagelvl	School head age level	-0.062	0.424	167
<b>SWA</b>	ratotp	Pupil reading total raw score	1.000		168
	zxsex	Teachers' sex	0.048	0.541	164
	zxagelvl	Teachers' age level	0.105	0.183	164
	zxhpos13	Teachers' possession	0.306	<u>0.000</u>	164
	zxlight	Teachers' source of lighting	0.361	<u>0.000</u>	164
	zxcondli	Teachers living condion	0.173	<u>0.027</u>	164
	zssex	School head sex	0.128	0.098	168
	zsagelvl	School head age level	0.150	0.053	168
<b>TAN</b>	ratotp	Pupil reading total raw score	1.000		181
	zxsex	Teachers' sex	0.345	<u>0.000</u>	176
	zxagelvl	Teachers' age level	-0.032	0.668	179
	zxhpos13	Teachers' possession	0.291	<u>0.000</u>	179
	zxlight	Teachers' source of lighting	0.401	<u>0.000</u>	179
	zxcondli	Teachers living condion	0.187	<u>0.012</u>	179
	zssex	School head sex	0.191	<u>0.010</u>	181
	zsagelvl	School head age level	0.143	0.055	181
<b>UGA</b>	ratotp	Pupil reading total raw score	1.000		163
	zxsex	Teachers' sex	0.030	0.710	154
	zxagelvl	Teachers' age level	-0.077	0.336	159
	zxhpos13	Teachers' possession	0.232	<u>0.003</u>	159
	zxlight	Teachers' source of lighting	0.272	<u>0.001</u>	159
	zxcondli	Teachers living condion	0.159	<u>0.045</u>	159
	zssex	School head sex	0.183	<u>0.020</u>	162
	zsagelvl	School head age level	0.002	0.979	163
<b>ZAM</b>	ratotp	Pupil reading total raw score	1.000		173
	zxsex	Teachers' sex	0.498	<u>0.000</u>	169
	zxagelvl	Teachers' age level	-0.154	<u>0.045</u>	169
	zxhpos13	Teachers' possession	0.550	<u>0.000</u>	169
	zxlight	Teachers' source of lighting	0.569	<u>0.000</u>	169
	zxcondli	Teachers living condion	0.154	<u>0.046</u>	169
	zssex	School head sex	0.369	<u>0.000</u>	169
	zsagelvl	School head age level	0.027	0.727	169



ZAN	ratotp	Pupil reading total raw score	1.000		145
	zxsex	Teachers' sex	0.167	0.051	137
	zxagelvl	Teachers' age level	-0.061	0.476	140
	zxhpos13	Teachers' possession	0.089	0.296	140
	zlight	Teachers' source of lighting	0.217	<u>0.010</u>	140
	zxcondli	Teachers living condion	0.008	0.928	140
	zssex	School head sex	0.271	<u>0.001</u>	145
	zsagelvl	School head age level	0.210	<u>0.011</u>	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.

## APPENDIX 66

### SACMEQ TEACHERS' CHARACTERISTICS CONSTRUCT - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	ratotp	Pupil reading total raw score	1.000		170
	zxsex	Teachers' sex	-0.068	0.380	168
	zxagelvl	Teachers' age level	0.164	<u>0.032</u>	170
	zxhpos13	Teachers' possession	0.186	<u>0.015</u>	170
	zlight	Teachers' source of lighting	0.222	<u>0.004</u>	170
	zxcondli	Teachers living condion	0.276	<u>0.000</u>	170
	zssex	School head sex	0.023	0.764	170
	zsagelvl	School head age level	0.020	0.792	170
KEN	ratotp	Pupil reading total raw score	1.000		185
	zxsex	Teachers' sex	0.183	<u>0.014</u>	180
	zxagelvl	Teachers' age level	0.016	0.830	180
	zxhpos13	Teachers' possession	0.143	0.056	180
	zlight	Teachers' source of lighting	0.170	<u>0.023</u>	180
	zxcondli	Teachers living condion	0.145	0.052	180
	zssex	School head sex	0.177	<u>0.016</u>	184
	zsagelvl	School head age level	-0.064	0.392	184
LES	ratotp	Pupil reading total raw score	1.000		177
	zxsex	Teachers' sex	0.085	0.261	177
	zxagelvl	Teachers' age level	0.038	0.619	177
	zxhpos13	Teachers' possession	0.143	0.057	177
	zlight	Teachers' source of lighting	0.046	0.539	177
	zxcondli	Teachers living condion	0.210	<u>0.005</u>	177
	zssex	School head sex	0.106	0.162	177
	zsagelvl	School head age level	0.012	0.869	177
MAL	ratotp	Pupil reading total raw score	1.000		140
	zxsex	Teachers' sex	0.301	<u>0.000</u>	136
	zxagelvl	Teachers' age level	-0.047	0.591	136
	zxhpos13	Teachers' possession	0.092	0.284	136
	zlight	Teachers' source of lighting	0.059	0.496	136
	zxcondli	Teachers living condion	0.317	<u>0.000</u>	136
	zssex	School head sex	0.032	0.703	140
	zsagelvl	School head age level	-0.019	0.827	140
MAU	ratotp	Pupil reading total raw score	1.000		153
	zxsex	Teachers' sex	-0.111	0.170	153
	zxagelvl	Teachers' age level	0.185	<u>0.022</u>	153
	zxhpos13	Teachers' possession	0.179	<u>0.027</u>	153
	zlight	Teachers' source of lighting	0.022	0.785	153
	zxcondli	Teachers living condion	.(a)	.	153



	zssex	School head sex	-0.065	0.424	153
	zsagelvl	School head age level	0.030	0.711	153
MOZ	ratotp	Pupil reading total raw score	1.000		176
	zxsex	Teachers' sex	0.163	<u>0.034</u>	170
	zxagelvl	Teachers' age level	0.033	0.669	171
	zxhpos13	Teachers' possession	0.176	<u>0.021</u>	171
	zlight	Teachers' source of lighting	-0.029	0.709	171
	zxcondli	Teachers living condion	0.239	<u>0.002</u>	171
	zssex	School head sex	0.184	<u>0.017</u>	166
	zsagelvl	School head age level	0.202	<u>0.009</u>	167
NAM	ratotp	Pupil reading total raw score	1.000		270
	zxsex	Teachers' sex	0.080	0.192	270
	zxagelvl	Teachers' age level	0.180	<u>0.003</u>	270
	zxhpos13	Teachers' possession	0.587	<u>0.000</u>	270
	zlight	Teachers' source of lighting	0.449	<u>0.000</u>	270
	zxcondli	Teachers living condion	0.469	<u>0.000</u>	270
	zssex	School head sex	-0.113	0.063	270
	zsagelvl	School head age level	0.050	0.416	270
SEY	ratotp	Pupil reading total raw score	1.000		24
	zxsex	Teachers' sex	0.074	0.733	24
	zxagelvl	Teachers' age level	0.356	0.088	24
	zxhpos13	Teachers' possession	0.279	0.187	24
	zlight	Teachers' source of lighting	0.143	0.506	24
	zxcondli	Teachers living condion	.(a)	.	24
	zssex	School head sex	-0.058	0.787	24
	zsagelvl	School head age level	0.111	0.605	24
SOU	ratotp	Pupil reading total raw score	1.000		169
	zxsex	Teachers' sex	0.073	0.352	163
	zxagelvl	Teachers' age level	0.064	0.419	163
	zxhpos13	Teachers' possession	0.269	<u>0.001</u>	163
	zlight	Teachers' source of lighting	0.303	<u>0.000</u>	163
	zxcondli	Teachers living condion	0.164	<u>0.036</u>	163
	zssex	School head sex	-0.078	0.317	167
	zsagelvl	School head age level	-0.076	0.331	167
SWA	ratotp	Pupil reading total raw score	1.000		168
	zxsex	Teachers' sex	-0.085	0.275	165
	zxagelvl	Teachers' age level	0.108	0.167	166
	zxhpos13	Teachers' possession	0.089	0.255	166
	zlight	Teachers' source of lighting	0.094	0.229	166
	zxcondli	Teachers living condion	0.154	<u>0.047</u>	166
	zssex	School head sex	0.147	0.057	168
	zsagelvl	School head age level	0.110	0.156	168
TAN	ratotp	Pupil reading total raw score	1.000		181
	zxsex	Teachers' sex	0.241	<u>0.001</u>	173
	zxagelvl	Teachers' age level	0.083	0.272	178
	zxhpos13	Teachers' possession	0.131	0.081	178
	zlight	Teachers' source of lighting	0.131	0.081	178
	zxcondli	Teachers living condion	0.302	<u>0.000</u>	178
	zssex	School head sex	0.166	<u>0.026</u>	181
	zsagelvl	School head age level	0.121	0.106	181
UGA	ratotp	Pupil reading total raw score	1.000		163
	zxsex	Teachers' sex	-0.095	0.311	115
	zxagelvl	Teachers' age level	0.102	0.263	122
	zxhpos13	Teachers' possession	-0.171	0.060	122



	zlight	Teachers' source of lighting	0.028	0.759	122
	zxcondli	Teachers living condion	0.010	0.914	122
	zssex	School head sex	0.139	0.077	162
	zsagelvl	School head age level	0.050	0.524	163
ZAM	ratotp	Pupil reading total raw score	1.000		173
	zxsex	Teachers' sex	0.306	<u>0.000</u>	170
	zxagelvl	Teachers' age level	-0.128	0.095	170
	zxhpos13	Teachers' possession	0.429	<u>0.000</u>	170
	zlight	Teachers' source of lighting	0.070	0.367	170
	zxcondli	Teachers living condion	0.376	<u>0.000</u>	170
	zssex	School head sex	0.337	<u>0.000</u>	169
	zsagelvl	School head age level	0.001	0.994	169
ZAN	ratotp	Pupil reading total raw score	1.000		145
	zxsex	Teachers' sex	0.006	0.948	134
	zxagelvl	Teachers' age level	-0.097	0.258	138
	zxhpos13	Teachers' possession	0.132	0.123	138
	zlight	Teachers' source of lighting	-0.096	0.260	138
	zxcondli	Teachers living condion	0.119	0.164	138
	zssex	School head sex	0.112	0.179	145
	zsagelvl	School head age level	-0.001	0.990	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.











**APPENDIX 67**

**MOZAMBIQUE EXTERNAL TEACHING CONTEXT - READING**

Prov	Variable	Description	Pearson Corr	Sig	N	
CAB	ratotp	SCR:/ teacher reading-all total raw score	1.000		14	
	pexteng	P/Extra tuition-subject-English	-0.545	<u>0.044</u>	14	
	pextoth	P/Extra tuition-other subjects	0.277	0.337	14	
	zpextpay	R:/ paying for extra tuitions	-0.328	0.252	14	
	zslocati	R:/ school location	0.059	0.841	14	
	zsprati	D:/ pupils-teacher ratio	-0.334	0.244	14	
	bigshift	D:/ the maximum number of pupils among shifts	-0.489	0.076	14	
	zssessnu	D:/ the number of shifts	0.059	0.840	14	
	zspupgir	D:/ ratio girls	-0.004	0.988	14	
	sclass	S/# of classes	-0.436	0.119	14	
	sclass6	S/# of classes G6	-0.343	0.229	14	
	zsldgco	R:/ school building condition	-0.177	0.545	14	
	zstotot	D:/ the number of toilets	-0.357	0.210	14	
	zsr22	D:/ total school resources [max=22]	-0.055	0.851	14	
	sborrow	S/Pupils can borrow books	0.196	0.503	14	
	GAZ	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
		pexteng	P/Extra tuition-subject-English	-0.095	0.736	15
pextoth		P/Extra tuition-other subjects	-0.150	0.594	15	
zpextpay		R:/ paying for extra tuitions	-0.153	0.585	15	
zslocati		R:/ school location	0.316	0.251	15	
zsprati		D:/ pupils-teacher ratio	-0.093	0.742	15	
bigshift		D:/ the maximum number of pupils among shifts	-0.028	0.921	15	
zssessnu		D:/ the number of shifts	-0.246	0.376	15	
zspupgir		D:/ ratio girls	0.124	0.659	15	
sclass		S/# of classes	-0.154	0.583	15	
sclass6		S/# of classes G6	-0.077	0.785	15	
zsldgco		R:/ school building condition	-0.146	0.605	15	
zstotot		D:/ the number of toilets	-0.246	0.377	15	
zsr22		D:/ total school resources [max=22]	0.033	0.908	15	
sborrow		S/Pupils can borrow books	-0.364	0.182	15	
INH		ratotp	SCR:/ teacher reading-all total raw score	1.000		14
		pexteng	P/Extra tuition-subject-English	-0.523	0.055	14
	pextoth	P/Extra tuition-other subjects	-0.554	<u>0.040</u>	14	
	zpextpay	R:/ paying for extra tuitions	-0.332	0.247	14	
	zslocati	R:/ school location	0.096	0.756	13	
	zsprati	D:/ pupils-teacher ratio	-0.515	0.072	13	
	bigshift	D:/ the maximum number of pupils among shifts	0.018	0.953	13	
	zssessnu	D:/ the number of shifts	0.323	0.282	13	
	zspupgir	D:/ ratio girls	0.314	0.297	13	
	sclass	S/# of classes	0.142	0.642	13	
	sclass6	S/# of classes G6	-0.055	0.859	13	
	zsldgco	R:/ school building condition	-0.390	0.188	13	
	zstotot	D:/ the number of toilets	-0.084	0.786	13	
	zsr22	D:/ total school resources [max=22]	0.415	0.158	13	
	sborrow	S/Pupils can borrow books	-0.189	0.535	13	
	MAC	ratotp	SCR:/ teacher reading-all total raw score	1.000		20
		pexteng	P/Extra tuition-subject-English	0.060	0.802	20
pextoth		P/Extra tuition-other subjects	-0.011	0.962	20	
zpextpay		R:/ paying for extra tuitions	0.025	0.917	20	



	zslocati	R:/ school location	0.053	0.834	18
	zsprati	D:/ pupils-teacher ratio	-0.305	0.218	18
	bigshift	D:/ the maximum number of pupils among shifts	-0.175	0.488	18
	zssessnu	D:/ the number of shifts	0.021	0.935	18
	zspupgir	D:/ ratio girls	-0.278	0.264	18
	sclass	S/# of classes	-0.027	0.916	18
	sclass6	S/# of classes G6	-0.301	0.224	18
	zsldgco	R:/ school building condition	-0.255	0.308	18
	zstot	D:/ the number of toilets	0.036	0.887	18
	zsr22	D:/ total school resources [max=22]	0.455	0.058	18
	sborrow	S/Pupils can borrow books	0.230	0.358	18
MAN	ratot	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.222	0.426	15
	pextoth	P/Extra tuition-other subjects	-0.513	0.051	15
	zpextpay	R:/ paying for extra tuitions	0.049	0.863	15
	zslocati	R:/ school location	0.178	0.600	11
	zsprati	D:/ pupils-teacher ratio	-0.397	0.227	11
	bigshift	D:/ the maximum number of pupils among shifts	0.280	0.404	11
	zssessnu	D:/ the number of shifts	0.049	0.887	11
	zspupgir	D:/ ratio girls	-0.334	0.316	11
	sclass	S/# of classes	0.271	0.421	11
	sclass6	S/# of classes G6	-0.028	0.936	11
	zsldgco	R:/ school building condition	-0.208	0.540	11
	zstot	D:/ the number of toilets	0.498	0.119	11
	zsr22	D:/ total school resources [max=22]	0.257	0.445	11
	sborrow	S/Pupils can borrow books	0.422	0.196	11
MAP	ratot	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.268	0.334	15
	pextoth	P/Extra tuition-other subjects	-0.457	0.087	15
	zpextpay	R:/ paying for extra tuitions	-0.293	0.309	14
	zslocati	R:/ school location	0.384	0.158	15
	zsprati	D:/ pupils-teacher ratio	0.089	0.754	15
	bigshift	D:/ the maximum number of pupils among shifts	0.413	0.126	15
	zssessnu	D:/ the number of shifts	-0.409	0.131	15
	zspupgir	D:/ ratio girls	0.258	0.352	15
	sclass	S/# of classes	0.381	0.161	15
	sclass6	S/# of classes G6	0.357	0.191	15
	zsldgco	R:/ school building condition	-0.353	0.197	15
	zstot	D:/ the number of toilets	0.028	0.922	15
	zsr22	D:/ total school resources [max=22]	0.311	0.258	15
	sborrow	S/Pupils can borrow books	0.114	0.686	15
NAM	ratot	SCR:/ teacher reading-all total raw score	1.000		20
	pexteng	P/Extra tuition-subject-English	-0.152	0.523	20
	pextoth	P/Extra tuition-other subjects	-0.170	0.473	20
	zpextpay	R:/ paying for extra tuitions	-0.041	0.868	19
	zslocati	R:/ school location	-0.355	0.124	20
	zsprati	D:/ pupils-teacher ratio	-0.136	0.568	20
	bigshift	D:/ the maximum number of pupils among shifts	-0.216	0.361	20
	zssessnu	D:/ the number of shifts	-0.263	0.263	20
	zspupgir	D:/ ratio girls	-0.157	0.507	20
	sclass	S/# of classes	-0.291	0.214	20
	sclass6	S/# of classes G6	-0.175	0.460	20
	zsldgco	R:/ school building condition	-0.025	0.916	20
	zstot	D:/ the number of toilets	0.200	0.399	20



	zsrrot22	D:/ total school resources [max=22]	0.114	0.633	20
	sborrow	S/Pupils can borrow books	0.041	0.865	20
NIA	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.229	0.411	15
	pextoth	P/Extra tuition-other subjects	0.016	0.956	15
	zpextpay	R:/ paying for extra tuitions	0.320	0.246	15
	zslocati	R:/ school location	-0.219	0.451	14
	zsprati	D:/ pupils-teacher ratio	-0.118	0.689	14
	bigshift	D:/ the maximum number of pupils among shifts	-0.523	0.055	14
	zssessnu	D:/ the number of shifts	-0.599	<u>0.024</u>	14
	zspupgir	D:/ ratio girls	-0.316	0.271	14
	sclass	S/# of classes	-0.498	0.070	14
	sclass6	S/# of classes G6	-0.346	0.225	14
	zsbldgco	R:/ school building condition	0.312	0.278	14
	zstoitot	D:/ the number of toilets	0.112	0.704	14
	zsrrot22	D:/ total school resources [max=22]	-0.060	0.840	14
	sborrow	S/Pupils can borrow books	0.135	0.645	14
SOF	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.061	0.828	15
	pextoth	P/Extra tuition-other subjects	-0.050	0.858	15
	zpextpay	R:/ paying for extra tuitions	0.193	0.491	15
	zslocati	R:/ school location	-0.163	0.563	15
	zsprati	D:/ pupils-teacher ratio	-0.201	0.473	15
	bigshift	D:/ the maximum number of pupils among shifts	0.011	0.969	15
	zssessnu	D:/ the number of shifts	-0.125	0.657	15
	zspupgir	D:/ ratio girls	-0.195	0.485	15
	sclass	S/# of classes	0.055	0.846	15
	sclass6	S/# of classes G6	0.327	0.234	15
	zsbldgco	R:/ school building condition	-0.051	0.858	15
	zstoitot	D:/ the number of toilets	-0.196	0.485	15
	zsrrot22	D:/ total school resources [max=22]	-0.082	0.770	15
	sborrow	S/Pupils can borrow books	-0.295	0.286	15
TET	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	0.370	0.175	15
	pextoth	P/Extra tuition-other subjects	0.210	0.452	15
	zpextpay	R:/ paying for extra tuitions	-0.147	0.602	15
	zslocati	R:/ school location	0.057	0.839	15
	zsprati	D:/ pupils-teacher ratio	0.207	0.459	15
	bigshift	D:/ the maximum number of pupils among shifts	0.009	0.975	15
	zssessnu	D:/ the number of shifts	-0.077	0.784	15
	zspupgir	D:/ ratio girls	-0.092	0.745	15
	sclass	S/# of classes	0.013	0.964	15
	sclass6	S/# of classes G6	0.163	0.561	15
	zsbldgco	R:/ school building condition	0.506	0.054	15
	zstoitot	D:/ the number of toilets	0.160	0.570	15
	zsrrot22	D:/ total school resources [max=22]	0.079	0.779	15
	sborrow	S/Pupils can borrow books	-0.219	0.434	15
ZAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		18
	pexteng	P/Extra tuition-subject-English	-0.238	0.342	18
	pextoth	P/Extra tuition-other subjects	-0.371	0.129	18
	zpextpay	R:/ paying for extra tuitions	-0.588	<u>0.010</u>	18
	zslocati	R:/ school location	0.624	<u>0.006</u>	18
	zsprati	D:/ pupils-teacher ratio	-0.311	0.209	18



	bigshift	D:/ the maximum number of pupils among shifts	0.320	0.195	18
	zssessnu	D:/ the number of shifts	0.160	0.526	18
	zspupgir	D:/ ratio girls	0.278	0.264	18
	sclass	S/# of classes	0.223	0.373	18
	sclass6	S/# of classes G6	0.312	0.208	18
	zsbldgco	R:/ school building condition	-0.233	0.353	18
	zstotot	D:/ the number of toilets	0.151	0.551	18
	zsrrot22	D:/ total school resources [max=22]	-0.011	0.965	18
	sborrow	S/Pupils can borrow books	-0.372	0.128	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

## APPENDIX 67

### MOZAMBIQUE EXTERNAL TEACHING CONTEXT - MATHEMATICS

Prov	Variable	Description	Pearson Corr	Sig	N
CAB	matot	SCR:/ teacher math-all total raw score	1		14
	pextmat	P/Extra tuition-subject-math	-0.186	0.525	14
	pextoth	P/Extra tuition-other subjects	0.004	0.99	14
	zpextpay	R:/ paying for extra tuitions	-0.183	0.532	14
	zslocati	R:/ school location	0.063	0.831	14
	zsprati	D:/ pupils-teacher ratio	-0.295	0.306	14
	bigshift	D:/ the maximum number of pupils among shifts	-0.370	0.192	14
	zssessnu	D:/ the number of shifts	0.075	0.798	14
	sclass	S/# of classes	-0.217	0.456	14
	sclass6	S/# of classes G6	-0.269	0.356	14
	zsbldgco	R:/ school building condition	-0.370	0.192	14
	zstotot	D:/ the number of toilets	-0.314	0.274	14
	zsrrot22	D:/ total school resources [max=22]	-0.179	0.54	14
	sborrow	S/Pupils can borrow books	-0.038	0.898	14
GAZ	matot	SCR:/ teacher math-all total raw score	1		15
	pextmat	P/Extra tuition-subject-math	-0.245	0.379	15
	pextoth	P/Extra tuition-other subjects	-0.048	0.866	15
	zpextpay	R:/ paying for extra tuitions	-0.334	0.224	15
	zslocati	R:/ school location	0.307	0.265	15
	zsprati	D:/ pupils-teacher ratio	0.191	0.496	15
	bigshift	D:/ the maximum number of pupils among shifts	-0.059	0.835	15
	zssessnu	D:/ the number of shifts	-0.301	0.275	15
	sclass	S/# of classes	-0.228	0.414	15
	sclass6	S/# of classes G6	0.016	0.954	15
	zsbldgco	R:/ school building condition	-0.052	0.853	15
	zstotot	D:/ the number of toilets	-0.137	0.626	15
	zsrrot22	D:/ total school resources [max=22]	-0.082	0.772	15
	sborrow	S/Pupils can borrow books	-0.566	0.028	15
INH	matot	SCR:/ teacher math-all total raw score	1		14
	pextmat	P/Extra tuition-subject-math	-0.529	0.052	14
	pextoth	P/Extra tuition-other subjects	-0.543	0.0445	14
	zpextpay	R:/ paying for extra tuitions	-0.241	0.4056	14
	zslocati	R:/ school location	0.042	0.891	13
	zsprati	D:/ pupils-teacher ratio	-0.445	0.128	13
	bigshift	D:/ the maximum number of pupils among shifts	0.18	0.556	13
	zssessnu	D:/ the number of shifts	0.311	0.301	13
	sclass	S/# of classes	0.241	0.427	13



	sclass6	S/# of classes G6	-0.122	0.69	13
	zsldgco	R:/ school building condition	-0.155	0.613	13
	zstotot	D:/ the number of toilets	-0.091	0.769	13
	zsrst22	D:/ total school resources [max=22]	0.179	0.559	13
	sborrow	S/Pupils can borrow books	-0.164	0.592	13
MAC	matot	SCR:/ teacher math-all total raw score	1		20
	pextmat	P/Extra tuition-subject-math	0.086	0.718	20
	pextoth	P/Extra tuition-other subjects	0.224	0.342	20
	zpextpay	R:/ paying for extra tuitions	0.245	0.299	20
	zslocati	R:/ school location	0.314	0.204	18
	zsprati	D:/ pupils-teacher ratio	0.133	0.598	18
	bigshift	D:/ the maximum number of pupils among shifts	0.201	0.424	18
	zssessnu	D:/ the number of shifts	0.256	0.305	18
	sclass	S/# of classes	0.407	0.094	18
	sclass6	S/# of classes G6	-0.14	0.581	18
	zsldgco	R:/ school building condition	0.168	0.505	18
	zstotot	D:/ the number of toilets	0.239	0.34	18
	zsrst22	D:/ total school resources [max=22]	0.34	0.168	18
	sborrow	S/Pupils can borrow books	0.004	0.986	18
MAN	matot	SCR:/ teacher math-all total raw score	1		15
	pexteng	P/Extra tuition-subject-math	0.431	0.109	15
	pextmat	P/Extra tuition-other subjects	-170	0.544	15
	zpextpay	R:/ paying for extra tuitions	0.375	0.168	15
	zslocati	R:/ school location	-0.022	0.95	11
	zsprati	D:/ pupils-teacher ratio	-0.133	0.697	11
	bigshift	D:/ the maximum number of pupils among shifts	-0.118	0.729	11
	zssessnu	D:/ the number of shifts	0.013	0.969	11
	sclass	S/# of classes	-0.108	0.752	11
	sclass6	S/# of classes G6	-0.268	0.425	11
	zsldgco	R:/ school building condition	0.258	0.444	11
	zstotot	D:/ the number of toilets	0.076	0.824	11
	zsrst22	D:/ total school resources [max=22]	-0.142	0.678	11
	sborrow	S/Pupils can borrow books	0.042	0.902	11
MAP	matot	SCR:/ teacher math-all total raw score	1		15
	pextmat	P/Extra tuition-subject-math	-0.044	0.877	15
	pextoth	P/Extra tuition-other subjects	0.028	0.921	15
	zpextpay	R:/ paying for extra tuitions	-0.212	0.467	14
	zslocati	R:/ school location	0.11	0.696	15
	zsprati	D:/ pupils-teacher ratio	0.134	0.633	15
	bigshift	D:/ the maximum number of pupils among shifts	0.058	0.837	15
	zssessnu	D:/ the number of shifts	-0.478	0.072	15
	sclass	S/# of classes	-50	0.859	15
	sclass6	S/# of classes G6	0.323	0.24	15
	zsldgco	R:/ school building condition	-0.474	0.075	15
	zstotot	D:/ the number of toilets	0.259	0.352	15
	zsrst22	D:/ total school resources [max=22]	0.570	0.027	15
	sborrow	S/Pupils can borrow books	0.613	0.015	15
NAM	matot	SCR:/ teacher math-all total raw score	1		20
	pextmat	P/Extra tuition-subject-math	-0.12	0.614	20
	pextoth	P/Extra tuition-other subjects	0.053	0.824	20
	zpextpay	R:/ paying for extra tuitions	-0.385	0.103	19
	zslocati	R:/ school location	-0.243	0.303	20
	zsprati	D:/ pupils-teacher ratio	-0.006	0.979	20





	bigshift	D:/ the maximum number of pupils among shifts	-0.124	0.602	20
	zssessnu	D:/ the number of shifts	-0.254	0.281	20
	sclass	S/# of classes	-0.211	0.372	20
	sclass6	S/# of classes G6	0.043	0.859	20
	zsldgco	R:/ school building condition	-0.017	0.945	20
	zstot	D:/ the number of toilets	-0.138	0.562	20
	zsr22	D:/ total school resources [max=22]	-0.107	0.653	20
	sborrow	S/Pupils can borrow books	-0.274	0.242	20
NIA	matot	SCR:/ teacher math-all total raw score	1		15
	pextrmat	P/Extra tuition-subject-math	-450	0.093	15
	pextrth	P/Extra tuition-other subjects	-0.0802	0.776	15
	zpextrpay	R:/ paying for extra tuitions	0.35	0.201	15
	zslcati	R:/ school location	-0.147	0.617	14
	zsprati	D:/ pupils-teacher ratio	0.171	0.559	14
	bigshift	D:/ the maximum number of pupils among shifts	-0.172	0.556	14
	zssessnu	D:/ the number of shifts	-0.183	0.531	14
	sclass	S/# of classes	-0.105	0.721	14
	sclass6	S/# of classes G6	-0.495	0.072	14
	zsldgco	R:/ school building condition	0.211	0.468	14
	zstot	D:/ the number of toilets	-0.003	0.992	14
	zsr22	D:/ total school resources [max=22]	-0.241	0.406	14
	sborrow	S/Pupils can borrow books	-0.254	0.381	14
SOF	matot	SCR:/ teacher math-all total raw score	1		15
	pextrmat	P/Extra tuition-subject-math	-0.442	0.099	15
	pextrth	P/Extra tuition-other subjects	0.032	0.909	15
	zpextrpay	R:/ paying for extra tuitions	0.37	0.175	15
	zslcati	R:/ school location	-0.424	0.115	15
	zsprati	D:/ pupils-teacher ratio	0.271	0.328	15
	bigshift	D:/ the maximum number of pupils among shifts	-0.337	0.219	15
	zssessnu	D:/ the number of shifts	0.113	0.688	15
	sclass	S/# of classes	-0.236	0.397	15
	sclass6	S/# of classes G6	-0.125	0.657	15
	zsldgco	R:/ school building condition	0.106	0.707	15
	zstot	D:/ the number of toilets	-0.097	0.732	15
	zsr22	D:/ total school resources [max=22]	-0.406	0.133	15
	sborrow	S/Pupils can borrow books	-0.324	0.239	15
TET	matot	SCR:/ teacher math-all total raw score	1		15
	pextrmat	P/Extra tuition-subject-math	0.253	0.363	15
	pextrth	P/Extra tuition-other subjects	0.149	0.596	15
	zpextrpay	R:/ paying for extra tuitions	0.018	0.949	15
	zslcati	R:/ school location	-0.407	0.132	15
	zsprati	D:/ pupils-teacher ratio	0.008	0.978	15
	bigshift	D:/ the maximum number of pupils among shifts	-0.353	0.197	15
	zssessnu	D:/ the number of shifts	-0.163	0.563	15
	sclass	S/# of classes	-0.236	0.396	15
	sclass6	S/# of classes G6	-0.331	0.229	15
	zsldgco	R:/ school building condition	0.067	0.811	15
	zstot	D:/ the number of toilets	-0.136	0.628	15
	zsr22	D:/ total school resources [max=22]	-0.474	0.074	15
	sborrow	S/Pupils can borrow books	-0.419	0.12	15
ZAM	matot	SCR:/ teacher math-all total raw score	1		18
	pextrmat	P/Extra tuition-subject-math	0.025	0.923	18
	pextrth	P/Extra tuition-other subjects	-0.415	0.087	18



zpextpay	R:/ paying for extra tuitions	-501	0.035	18
zslocati	R:/ school location	0.471	0.048	18
zsptrati	D:/ pupils-teacher ratio	-0.385	0.115	18
bigshift	D:/ the maximum number of pupils among shifts	0.022	0.929	18
zssessnu	D:/ the number of shifts	-0.065	0.798	18
sclass	S/# of classes	0.009	0.969	18
sclass6	S/# of classes G6	0.095	0.709	18
zsbldgco	R:/ school building condition	-0.307	0.215	18
zstotot	D:/ the number of toilets	0.056	0.827	18
zsrto22	D:/ total school resources [max=22]	-0.049	0.846	18
sborrow	S/Pupils can borrow books	-0.2101	0.403	18



**APPENDIX 68**  
**MOZAMBIQUE INTERNAL TEACHING CONTEXT - READING**

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ Pupil math-all total raw score	1.000		14
	zpborrow	R:/ borrow books	-0.014	0.963	14
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.090	0.759	14
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.321	0.264	14
	zpsit	R:/ sitting place	0.529	0.052	14
	zpwite	R:/ writing place	0.613	<u>0.020</u>	14
	zphmwkr	R:/ being given reading homework	0.115	0.696	14
	zphmwkrc	R:/ being corrected reading homework	0.135	0.646	14
	zptextr	R:/ sharing/owning reading textbooks	0.497	0.071	14
	xclsize	D:/Reading class size	-0.417	0.138	14
	zxyclbks	D:/ the number of classroom books	0.016	0.956	14
	zxclfurn	D:/ reading teacher total class furniture [max=5]	-0.100	0.733	14
	zxclres8	D:/ reading teacher total class resources [max=8]	-0.062	0.833	14
	fx1zxaccess	Teachers' access to material	-0.300	0.298	14
	fx2zxaccess	Teachers' access to material	-0.135	0.645	14
	xperiods	T/Periods/week	0.033	0.911	14
	xminutes	T/Minutes/lesson	.(a)	.	14
	speriods	S/# Periods	-0.523	0.055	14
	sminutes	S/Minutes/periods	.(a)	.	14
	GAZ	ratotp	SCR:/ Pupil math-all total raw score	1.000	
zpborrow		R:/ borrow books	-0.275	0.321	15
fx1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.029	0.917	15
fx2zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.010	0.971	15
zpsit		R:/ sitting place	-0.005	0.985	15
zpwite		R:/ writing place	-0.001	0.997	15
zphmwkr		R:/ being given reading homework	0.092	0.744	15
zphmwkrc		R:/ being corrected reading homework	-0.025	0.929	15
zptextr		R:/ sharing/owning reading textbooks	0.417	0.122	15
xclsize		D:/Reading class size	-0.153	0.586	15
zxyclbks		D:/ the number of classroom books	-0.220	0.450	14
zxclfurn		D:/ reading teacher total class furniture [max=5]	-0.602	<u>0.023</u>	14
zxclres8		D:/ reading teacher total class resources [max=8]	-0.222	0.445	14
fx1zxaccess		Teachers' access to material	0.347	0.225	14
fx2zxaccess		Teachers' access to material	-0.312	0.277	14
xperiods		T/Periods/week	-0.345	0.228	14
xminutes		T/Minutes/lesson	.(a)	.	14
speriods		S/# Periods	-0.639	<u>0.010</u>	15
sminutes		S/Minutes/periods	-0.076	0.795	14
INH		ratotp	SCR:/ Pupil math-all total raw score	1.000	
	zpborrow	R:/ borrow books	-0.068	0.826	13
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.393	0.165	14
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.507	0.064	14
	zpsit	R:/ sitting place	0.145	0.620	14
	zpwite	R:/ writing place	0.140	0.634	14
	zphmwkr	R:/ being given reading homework	0.258	0.373	14
	zphmwkrc	R:/ being corrected reading homework	0.024	0.935	14
	zptextr	R:/ sharing/owning reading textbooks	0.078	0.791	14
	xclsize	D:/Reading class size	-0.511	0.062	14
	zxyclbks	D:/ the number of classroom books	0.335	0.287	12
	zxclfurn	D:/ reading teacher total class furniture [max=5]	-0.219	0.473	13
	zxclres8	D:/ reading teacher total class resources [max=8]	-0.063	0.838	13
	fx1zxaccess	Teachers' access to material	-0.012	0.968	14
	fx2zxaccess	Teachers' access to material	-0.448	0.108	14
	xperiods	T/Periods/week	-0.427	0.127	14
	xminutes	T/Minutes/lesson	.(a)	.	14
	speriods	S/# Periods	-0.246	0.417	13
	sminutes	S/Minutes/periods	-0.117	0.704	13
	MAC	ratotp	SCR:/ Pupil math-all total raw score	1.000	
zpborrow		R:/ borrow books	0.338	0.171	18
fx1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.021	0.930	20



	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.252	0.284	20
	zpsit	R:/ sitting place	0.270	0.250	20
	zpwite	R:/ writing place	0.254	0.279	20
	zphmwkr	R:/ being given reading homework	0.352	0.128	20
	zphmwkrc	R:/ being corrected reading homework	0.132	0.579	20
	zptextr	R:/ sharing/owning reading textbooks	0.314	0.178	20
	xclsize	D:/Reading class size	-0.300	0.199	20
	zxyclbks	D:/ the number of classroom books	0.254	0.310	18
	zxclfurn	D:/ reading teacher total class furniture [max=5]	0.091	0.720	18
	zxclres8	D:/ reading teacher total class resources [max=8]	0.082	0.745	18
	fx1zxaccess	Teachers' access to material	-0.319	0.171	20
	fx2zxaccess	Teachers' access to material	0.006	0.980	20
	xperiods	T/Periods/week	-0.319	0.170	20
	xminutes	T/Minutes/lesson	-0.130	0.584	20
	speriods	S/# Periods	-0.298	0.230	18
	sminutes	S/Minutes/periods	-0.286	0.250	18
MAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.522	0.100	11
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.032	0.909	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.140	0.618	15
	zpsit	R:/ sitting place	0.355	0.194	15
	zpwite	R:/ writing place	-0.181	0.519	15
	zphmwkr	R:/ being given reading homework	0.070	0.805	15
	zphmwkrc	R:/ being corrected reading homework	0.675	0.006	15
	zptextr	R:/ sharing/owning reading textbooks	-0.171	0.543	15
	xclsize	D:/Reading class size	0.176	0.531	15
	zxyclbks	D:/ the number of classroom books	0.362	0.275	11
	zxclfurn	D:/ reading teacher total class furniture [max=5]	0.717	0.013	11
	zxclres8	D:/ reading teacher total class resources [max=8]	0.520	0.101	11
	fx1zxaccess	Teachers' access to material	-0.049	0.867	14
	fx2zxaccess	Teachers' access to material	-0.075	0.798	14
	xperiods	T/Periods/week	-0.355	0.213	14
	xminutes	T/Minutes/lesson	.(a)	.	14
	speriods	S/# Periods	-0.400	0.222	11
	sminutes	S/Minutes/periods	-0.422	0.196	11
MAP	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	-0.293	0.289	15
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.040	0.888	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.107	0.705	15
	zpsit	R:/ sitting place	0.197	0.482	15
	zpwite	R:/ writing place	0.153	0.586	15
	zphmwkr	R:/ being given reading homework	0.005	0.986	15
	zphmwkrc	R:/ being corrected reading homework	-0.092	0.744	15
	zptextr	R:/ sharing/owning reading textbooks	0.317	0.250	15
	xclsize	D:/Reading class size	-0.068	0.809	15
	zxyclbks	D:/ the number of classroom books	-0.019	0.947	15
	zxclfurn	D:/ reading teacher total class furniture [max=5]	0.612	0.015	15
	zxclres8	D:/ reading teacher total class resources [max=8]	0.253	0.362	15
	fx1zxaccess	Teachers' access to material	-0.002	0.993	15
	fx2zxaccess	Teachers' access to material	0.095	0.737	15
	xperiods	T/Periods/week	0.102	0.717	15
	xminutes	T/Minutes/lesson	-0.747	0.001	15
	speriods	S/# Periods	-0.117	0.678	15
	sminutes	S/Minutes/periods	-0.024	0.931	15
NAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		20
	zpborrow	R:/ borrow books	0.017	0.945	19
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.007	0.977	20
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.086	0.717	20
	zpsit	R:/ sitting place	0.070	0.769	20
	zpwite	R:/ writing place	0.060	0.800	20
	zphmwkr	R:/ being given reading homework	-0.104	0.662	20
	zphmwkrc	R:/ being corrected reading homework	-0.072	0.762	20
	zptextr	R:/ sharing/owning reading textbooks	-0.110	0.644	20
	xclsize	D:/Reading class size	-0.045	0.849	20



	zxyclbks	D:/ the number of classroom books	0.259	0.271	20
	zxcifurn	D:/ reading teacher total class furniture [max=5]	-0.278	0.236	20
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.138	0.563	20
	fx1zxaccess	Teachers' access to material	-0.136	0.568	20
	fx2zxaccess	Teachers' access to material	0.076	0.750	20
	xperiods	T/Periods/week	-0.211	0.372	20
	xminutes	T/Minutes/lesson	.(a)	.	20
	speriods	S/# Periods	-0.216	0.360	20
	sminutes	S/Minutes/periods	-0.012	0.959	20
NIA	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.003	0.991	14
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.157	0.577	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.230	0.411	15
	zpsit	R:/ sitting place	-0.063	0.823	15
	zpwite	R:/ writing place	-0.215	0.442	15
	zphmwkr	R:/ being given reading homework	-0.194	0.489	15
	zphmwkrc	R:/ being corrected reading homework	0.178	0.525	15
	zptextr	R:/ sharing/owning reading textbooks	-0.013	0.963	15
	xclsize	D:/Reading class size	-0.354	0.195	15
	zxyclbks	D:/ the number of classroom books	0.184	0.546	13
	zxcifurn	D:/ reading teacher total class furniture [max=5]	-0.425	0.130	14
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.382	0.177	14
	fx1zxaccess	Teachers' access to material	0.116	0.682	15
	fx2zxaccess	Teachers' access to material	0.116	0.680	15
	xperiods	T/Periods/week	0.114	0.685	15
	xminutes	T/Minutes/lesson	.(a)	.	15
	speriods	S/# Periods	-0.238	0.412	14
	sminutes	S/Minutes/periods	-0.272	0.347	14
SOF	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.069	0.806	15
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.059	0.835	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.151	0.590	15
	zpsit	R:/ sitting place	0.465	0.081	15
	zpwite	R:/ writing place	0.439	0.101	15
	zphmwkr	R:/ being given reading homework	-0.040	0.888	15
	zphmwkrc	R:/ being corrected reading homework	0.065	0.818	15
	zptextr	R:/ sharing/owning reading textbooks	-0.008	0.978	15
	xclsize	D:/Reading class size	-0.485	0.067	15
	zxyclbks	D:/ the number of classroom books	-0.338	0.237	14
	zxcifurn	D:/ reading teacher total class furniture [max=5]	-0.005	0.987	14
	zxcres8	D:/ reading teacher total class resources [max=8]	0.081	0.782	14
	fx1zxaccess	Teachers' access to material	0.447	0.109	14
	fx2zxaccess	Teachers' access to material	0.208	0.476	14
	xperiods	T/Periods/week	-0.361	0.205	14
	xminutes	T/Minutes/lesson	0.250	0.389	14
	speriods	S/# Periods	-0.019	0.947	15
	sminutes	S/Minutes/periods	-0.322	0.242	15
TET	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.277	0.318	15
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.091	0.748	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.353	0.197	15
	zpsit	R:/ sitting place	0.588	0.021	15
	zpwite	R:/ writing place	0.573	0.025	15
	zphmwkr	R:/ being given reading homework	-0.272	0.328	15
	zphmwkrc	R:/ being corrected reading homework	-0.030	0.915	15
	zptextr	R:/ sharing/owning reading textbooks	-0.083	0.770	15
	xclsize	D:/Reading class size	-0.272	0.326	15
	zxyclbks	D:/ the number of classroom books	-0.391	0.149	15
	zxcifurn	D:/ reading teacher total class furniture [max=5]	0.389	0.152	15
	zxcres8	D:/ reading teacher total class resources [max=8]	0.339	0.216	15
	fx1zxaccess	Teachers' access to material	0.431	0.108	15
	fx2zxaccess	Teachers' access to material	-0.215	0.442	15
	xperiods	T/Periods/week	-0.056	0.844	15
	xminutes	T/Minutes/lesson	.(a)	.	15



	speriods	S/# Periods	0.410	0.129	15
	sminutes	S/Minutes/periods	0.423	0.116	15
ZAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		18
	zpborrow	R:/ borrow books	-0.086	0.741	17
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.550	<u>0.018</u>	18
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.008	0.974	18
	zpsit	R:/ sitting place	-0.086	0.736	18
	zpwite	R:/ writing place	-0.037	0.884	18
	zphmwkr	R:/ being given reading homework	-0.004	0.988	18
	zphmwkrc	R:/ being corrected reading homework	-0.179	0.478	18
	zptextr	R:/ sharing/owning reading textbooks	0.198	0.430	18
	xclsize	D:/Reading class size	0.006	0.980	18
	zxyclbks	D:/ the number of classroom books	-0.179	0.476	18
	zxcifurn	D:/ reading teacher total class furniture [max=5]	0.184	0.465	18
	zxcres8	D:/ reading teacher total class resources [max=8]	0.090	0.722	18
	fx1zxaccess	Teachers' access to material	0.417	0.085	18
	fx2zxaccess	Teachers' access to material	0.121	0.631	18
	xperiods	T/Periods/week	0.074	0.769	18
	xminutes	T/Minutes/lesson	.(a)	.	18
	speriods	S/# Periods	-0.354	0.149	18
	sminutes	S/Minutes/periods	-0.072	0.777	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant

## APPENDIX 68

### MOZAMBIQUE INTERNAL TEACHING CONTEXT - MATHEMATICS

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zpborrow	R:/ borrow books	-0.037	0.901	14
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.050	0.865	14
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.581	<u>0.030</u>	14
	zpsit	R:/ sitting place	0.346	0.226	14
	zpwite	R:/ writing place	0.441	0.114	14
	zphmwkm	R:/ being given mathematics homework	-0.066	0.823	14
	zphmwkmc	R:/ being corrected mathematics homework	0.213	0.464	14
	zptextm	R:/ sharing/owning mathematics textbooks	0.439	0.116	14
	yclsize	D:/Mathematics class size	-0.475	0.086	14
	zxyclbks	D:/ the number of classroom books	-0.333	0.245	14
	zycifurn	D:/ math teacher total class furniture [max=5]	0.303	0.292	14
	zycres8	D:/ math teacher total class resources [max=8]	0.205	0.481	14
	fyaccess	Math teacher access (factor)	-0.006	0.985	14
	yperiods	T/Periods/week	-0.390	0.168	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	-0.566	<u>0.035</u>	14
	sminutes	S/Minutes/periods	.(a)	.	14
GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	-0.329	0.231	15
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.323	0.240	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.240	0.390	15
	zpsit	R:/ sitting place	-0.140	0.619	15
	zpwite	R:/ writing place	-0.122	0.664	15
	zphmwkm	R:/ being given mathematics homework	-0.123	0.663	15
	zphmwkmc	R:/ being corrected mathematics homework	0.514	0.050	15
	zptextm	R:/ sharing/owning mathematics textbooks	-0.030	0.917	15
	yclsize	D:/Mathematics class size	-0.067	0.813	15
	zxyclbks	D:/ the number of classroom books	-0.304	0.291	14
	zycifurn	D:/ math teacher total class furniture [max=5]	-0.342	0.231	14
	zycres8	D:/ math teacher total class resources [max=8]	-0.070	0.813	14
	fyaccess	Math teacher access (factor)	0.128	0.663	14
	yperiods	T/Periods/week	-0.580	<u>0.030</u>	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	-0.603	<u>0.017</u>	15



	sminutes	S/Minutes/periods	0.069	0.815	14	
INH	matotp	SCR:/ teacher math-all total raw score	1.000		14	
	zpborrow	R:/ borrow books	-0.012	0.968	13	
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.536	<u>0.048</u>	14	
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.204	0.483	14	
	zpsit	R:/ sitting place	-0.220	0.449	14	
	zpwite	R:/ writing place	-0.186	0.525	14	
	zphmwkm	R:/ being given mathematics homework	-0.228	0.433	14	
	zphmwkmc	R:/ being corrected mathematics homework	-0.298	0.301	14	
	zptextm	R:/ sharing/owning mathematics textbooks	-0.548	<u>0.043</u>	14	
	yclsize	D:/Mathematics class size	-0.280	0.333	14	
	zxyclbks	D:/ the number of classroom books	0.187	0.560	12	
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.000	1.000	12	
	zyclres8	D:/ math teacher total class resources [max=8]	0.021	0.948	12	
	fyaccess	Math teacher access (factor)	-0.462	0.112	13	
	yperiods	T/Periods/week	-0.247	0.416	13	
	yminutes	S/Minutes/periods	.(a)	.	13	
	speriods	School head number of periods	-0.418	0.155	13	
	sminutes	S/Minutes/periods	-0.356	0.232	13	
	MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20
		zpborrow	R:/ borrow books	0.452	0.060	18
fy1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.238	0.312	20	
fy2zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.011	0.963	20	
zpsit		R:/ sitting place	0.160	0.501	20	
zpwite		R:/ writing place	0.203	0.390	20	
zphmwkm		R:/ being given mathematics homework	0.340	0.142	20	
zphmwkmc		R:/ being corrected mathematics homework	0.141	0.554	20	
zptextm		R:/ sharing/owning mathematics textbooks	0.088	0.713	20	
yclsize		D:/Mathematics class size	-0.408	0.074	20	
zxyclbks		D:/ the number of classroom books	0.304	0.220	18	
zyclfurn		D:/ math teacher total class furniture [max=5]	-0.447	0.063	18	
zyclres8		D:/ math teacher total class resources [max=8]	-0.354	0.149	18	
fyaccess		Math teacher access (factor)	-0.024	0.921	20	
yperiods		T/Periods/week	-0.106	0.657	20	
yminutes		S/Minutes/periods	.(a)	.	20	
speriods		School head number of periods	-0.112	0.659	18	
sminutes		S/Minutes/periods	-0.029	0.910	18	
MAN		matotp	SCR:/ teacher math-all total raw score	1.000		15
		zpborrow	R:/ borrow books	0.395	0.229	11
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.077	0.786	15	
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.141	0.615	15	
	zpsit	R:/ sitting place	0.394	0.147	15	
	zpwite	R:/ writing place	-0.139	0.622	15	
	zphmwkm	R:/ being given mathematics homework	0.277	0.318	15	
	zphmwkmc	R:/ being corrected mathematics homework	0.542	<u>0.037</u>	15	
	zptextm	R:/ sharing/owning mathematics textbooks	0.055	0.846	15	
	yclsize	D:/Mathematics class size	-0.144	0.608	15	
	zxyclbks	D:/ the number of classroom books	0.034	0.921	11	
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.162	0.634	11	
	zyclres8	D:/ math teacher total class resources [max=8]	0.210	0.535	11	
	fyaccess	Math teacher access (factor)	-0.464	0.094	14	
	yperiods	T/Periods/week	-0.538	<u>0.047</u>	14	
	yminutes	S/Minutes/periods	.(a)	.	14	
	speriods	School head number of periods	-0.034	0.920	11	
	sminutes	S/Minutes/periods	-0.042	0.902	11	
	MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zpborrow	R:/ borrow books	0.172	0.541	15
fy1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.020	0.944	15	
fy2zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.379	0.164	15	
zpsit		R:/ sitting place	0.296	0.284	15	
zpwite		R:/ writing place	-0.105	0.709	15	
zphmwkm		R:/ being given mathematics homework	0.322	0.242	15	
zphmwkmc		R:/ being corrected mathematics homework	0.550	<u>0.033</u>	15	
zptextm		R:/ sharing/owning mathematics textbooks	0.333	0.226	15	



	yclsiz	D:/Mathematics class size	0.158	0.573	15
	zxcylbks	D:/ the number of classroom books	0.349	0.202	15
	zycflurn	D:/ math teacher total class furniture [max=5]	0.701	0.004	15
	zycres8	D:/ math teacher total class resources [max=8]	0.440	0.101	15
	fyaccess	Math teacher access (factor)	0.259	0.350	15
	yperiods	T/Periods/week	0.174	0.534	15
	yminutes	S/Minutes/periods	-0.551	0.033	15
	speriods	School head number of periods	-0.362	0.185	15
	sminutes	S/Minutes/periods	-0.292	0.291	15
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zpborrow	R:/ borrow books	-0.202	0.407	19
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.077	0.746	20
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.162	0.495	20
	zpsit	R:/ sitting place	0.076	0.752	20
	zpwite	R:/ writing place	0.080	0.736	20
	zphmwkm	R:/ being given mathematics homework	0.042	0.861	20
	zphmwkmc	R:/ being corrected mathematics homework	-0.064	0.790	20
	zptextm	R:/ sharing/owning mathematics textbooks	0.011	0.964	20
	yclsiz	D:/Mathematics class size	-0.214	0.366	20
	zxcylbks	D:/ the number of classroom books	0.007	0.975	20
	zycflurn	D:/ math teacher total class furniture [max=5]	-0.259	0.270	20
	zycres8	D:/ math teacher total class resources [max=8]	-0.177	0.454	20
	fyaccess	Math teacher access (factor)	-0.023	0.922	20
	yperiods	T/Periods/week	0.104	0.662	20
	yminutes	S/Minutes/periods	.(a)	.	20
	speriods	School head number of periods	0.013	0.957	20
	sminutes	S/Minutes/periods	0.146	0.540	20
NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.147	0.617	14
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.175	0.534	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.102	0.717	15
	zpsit	R:/ sitting place	-0.223	0.424	15
	zpwite	R:/ writing place	-0.297	0.282	15
	zphmwkm	R:/ being given mathematics homework	-0.358	0.190	15
	zphmwkmc	R:/ being corrected mathematics homework	-0.099	0.725	15
	zptextm	R:/ sharing/owning mathematics textbooks	-0.085	0.763	15
	yclsiz	D:/Mathematics class size	-0.455	0.089	15
	zxcylbks	D:/ the number of classroom books	0.307	0.308	13
	zycflurn	D:/ math teacher total class furniture [max=5]	-0.354	0.235	13
	zycres8	D:/ math teacher total class resources [max=8]	-0.238	0.433	13
	fyaccess	Math teacher access (factor)	0.102	0.729	14
	yperiods	T/Periods/week	-0.031	0.916	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	-0.537	0.048	14
	sminutes	S/Minutes/periods	-0.440	0.116	14
SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.187	0.504	15
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.265	0.341	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.112	0.690	15
	zpsit	R:/ sitting place	0.425	0.115	15
	zpwite	R:/ writing place	0.393	0.147	15
	zphmwkm	R:/ being given mathematics homework	-0.185	0.509	15
	zphmwkmc	R:/ being corrected mathematics homework	0.029	0.917	15
	zptextm	R:/ sharing/owning mathematics textbooks	0.084	0.766	15
	yclsiz	D:/Mathematics class size	-0.342	0.212	15
	zxcylbks	D:/ the number of classroom books	-0.194	0.507	14
	zycflurn	D:/ math teacher total class furniture [max=5]	-0.461	0.097	14
	zycres8	D:/ math teacher total class resources [max=8]	-0.148	0.613	14
	fyaccess	Math teacher access (factor)	0.462	0.096	14
	yperiods	T/Periods/week	0.439	0.117	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	0.223	0.424	15
	sminutes	S/Minutes/periods	-0.145	0.607	15
TET	matotp	SCR:/ teacher math-all total raw score	1.000		15





	zpborrow	R:/ borrow books	0.057	0.839	15
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.347	0.205	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.217	0.436	15
	zpsit	R:/ sitting place	0.299	0.279	15
	zpwrite	R:/ writing place	0.297	0.282	15
	zphmwkm	R:/ being given mathematics homework	-0.321	0.243	15
	zphmwkmc	R:/ being corrected mathematics homework	0.366	0.180	15
	zptextm	R:/ sharing/owning mathematics textbooks	-0.190	0.497	15
	yclsize	D:/Mathematics class size	-0.355	0.194	15
	zxcylbks	D:/ the number of classroom books	-0.378	0.165	15
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.314	0.254	15
	zycres8	D:/ math teacher total class resources [max=8]	0.147	0.601	15
	fyaccess	Math teacher access (factor)	-0.067	0.813	15
	yperiods	T/Periods/week	-0.142	0.614	15
	yminutes	S/Minutes/periods	.(a)	.	15
	speriods	School head number of periods	0.366	0.180	15
	sminutes	S/Minutes/periods	0.343	0.210	15
ZAM	matotp	SCR:/ teacher math-all total raw score	1.000		18
	zpborrow	R:/ borrow books	-0.063	0.810	17
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.332	0.178	18
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.044	0.863	18
	zpsit	R:/ sitting place	-0.095	0.709	18
	zpwrite	R:/ writing place	-0.057	0.823	18
	zphmwkm	R:/ being given mathematics homework	0.160	0.525	18
	zphmwkmc	R:/ being corrected mathematics homework	0.140	0.580	18
	zptextm	R:/ sharing/owning mathematics textbooks	0.114	0.653	18
	yclsize	D:/Mathematics class size	-0.080	0.753	18
	zxcylbks	D:/ the number of classroom books	-0.006	0.982	18
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.338	0.170	18
	zycres8	D:/ math teacher total class resources [max=8]	0.238	0.341	18
	fyaccess	Math teacher access (factor)	0.396	0.104	18
	yperiods	T/Periods/week	-0.164	0.516	18
	yminutes	S/Minutes/periods	-0.352	0.152	18
	speriods	School head number of periods	-0.227	0.366	18
	sminutes	S/Minutes/periods	-0.025	0.923	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant

**APPENDIX 69**

**SACMEQ EXTERNAL TEACHING CONTEXT - READING**

Countries	Variables	Description	Pearson Corr	Sig. (2- tailed)	N	
BOT	ratotp	SCR:/ teacher reading-all total raw score	1.000		170	
	pexteng	P/Extra tuition-subject-English	0.167	0.03	170	
	pextoth	P/Extra tuition-other subjects	0.167	<u>0.030</u>	170	
	zpextpay	R:/ paying for extra tuitions	-0.117	0.138	161	
	zslocati	R:/ school location	0.435	<u>0.000</u>	170	
	zsprati	D:/ pupils-teacher ratio	-0.236	<u>0.002</u>	170	
	bigshift	D:/ the maximum number of pupils among shift	0.055	0.478	170	
	zsessnu	D:/ the number of shifts	-0.037	0.634	170	
	sclass	S/# of classes	0.107	0.166	170	
	sclass6	S/# of classes G6	-0.006	0.941	170	
	zsblgdco	R:/ school building conditior	-0.071	0.355	170	
	zstoitot	D:/ the number of toilets	0.421	<u>0.000</u>	170	
	zsrto22	D:/ total school resources [max=22]	0.555	<u>0.000</u>	170	
	sborrow	S/Pupils can borrow books	0.322	<u>0.000</u>	170	
	KEN	ratotp	SCR:/ teacher reading-all total raw score	1.000		185
		pexteng	P/Extra tuition-subject-English	0.024	0.746	185
pextoth		P/Extra tuition-other subjects	0.055	0.454	185	
zpextpay		R:/ paying for extra tuitions	-0.057	0.448	181	
zslocati		R:/ school location	0.400	<u>0.000</u>	184	
zsprati		D:/ pupils-teacher ratio	-0.348	<u>0.000</u>	184	
bigshift		D:/ the maximum number of pupils among shift	0.140	0.057	184	
zsessnu		D:/ the number of shifts	-0.037	0.614	184	
sclass		S/# of classes	0.140	0.058	184	
sclass6		S/# of classes G6	0.239	<u>0.001</u>	184	
zsblgdco		R:/ school building conditior	-0.272	<u>0.000</u>	184	
zstoitot		D:/ the number of toilets	0.382	<u>0.000</u>	184	
zsrto22		D:/ total school resources [max=22]	0.504	<u>0.000</u>	184	
sborrow		S/Pupils can borrow books	0.212	<u>0.004</u>	184	
LES		ratotp	SCR:/ teacher reading-all total raw score	1.000		177
		pexteng	P/Extra tuition-subject-English	0.127	0.091	177
	pextoth	P/Extra tuition-other subjects	0.072	0.343	177	
	zpextpay	R:/ paying for extra tuitions	-0.128	0.144	131	
	zslocati	R:/ school location	0.381	<u>0.000</u>	177	
	zsprati	D:/ pupils-teacher ratio	-0.099	0.188	177	
	bigshift	D:/ the maximum number of pupils among shift	0.189	<u>0.012</u>	177	
	zsessnu	D:/ the number of shifts	.(a)	.	177	
	sclass	S/# of classes	0.122	0.106	177	
	sclass6	S/# of classes G6	0.161	<u>0.032</u>	177	
	zsblgdco	R:/ school building conditior	-0.129	0.086	177	
	zstoitot	D:/ the number of toilets	0.156	<u>0.038</u>	177	
	zsrto22	D:/ total school resources [max=22]	0.462	<u>0.000</u>	177	
	sborrow	S/Pupils can borrow books	0.100	0.185	177	
	MAL	ratotp	SCR:/ teacher reading-all total raw score	1.000		140
		pexteng	P/Extra tuition-subject-English	0.062	0.466	140
pextoth		P/Extra tuition-other subjects	-0.068	0.426	140	



	zpextpay	R:/ paying for extra tuitions	-0.031	0.728	129
	zslocati	R:/ school location	0.370	0.000	140
	zsptrati	D:/ pupils-teacher ratio	-0.169	0.046	140
	bigshift	D:/ the maximum number of pupils among shift	0.310	0.000	140
	zsessnu	D:/ the number of shifts	0.126	0.138	140
	sclass	S/# of classes	0.256	0.002	140
	sclass6	S/# of classes G6	0.321	0.000	140
	zsbldgco	R:/ school building condition	-0.011	0.896	140
	zstoitot	D:/ the number of toilets	0.308	0.000	140
	zsrto22	D:/ total school resources [max=22]	0.348	0.000	140
	sborrow	S/Pupils can borrow books	0.122	0.152	140
MAU	ratotp	SCR:/ teacher reading-all total raw score	1.000		153
	pexteng	P/Extra tuition-subject-English	0.226	0.005	153
	pextoth	P/Extra tuition-other subjects	0.467	0.000	153
	zpextpay	R:/ paying for extra tuitions	-0.203	0.012	153
	zslocati	R:/ school location	0.084	0.300	153
	zsptrati	D:/ pupils-teacher ratio	0.094	0.250	153
	bigshift	D:/ the maximum number of pupils among shift	0.465	0.000	153
	zsessnu	D:/ the number of shifts	.(a)	.	153
	sclass	S/# of classes	0.415	0.000	153
	sclass6	S/# of classes G6	0.291	0.000	153
	zsbldgco	R:/ school building condition	0.059	0.466	153
	zstoitot	D:/ the number of toilets	0.303	0.000	153
	zsrto22	D:/ total school resources [max=22]	0.044	0.585	153
	sborrow	S/Pupils can borrow books	0.076	0.351	153
MOZ	ratotp	SCR:/ teacher reading-all total raw score	1.000		176
	pexteng	P/Extra tuition-subject-English	-0.321	0.000	176
	pextoth	P/Extra tuition-other subjects	-0.213	0.005	176
	zpextpay	R:/ paying for extra tuitions	-0.158	0.037	174
	zslocati	R:/ school location	0.279	0.000	168
	zsptrati	D:/ pupils-teacher ratio	-0.032	0.683	168
	bigshift	D:/ the maximum number of pupils among shift	0.273	0.000	168
	zsessnu	D:/ the number of shifts	0.131	0.091	168
	sclass	S/# of classes	0.307	0.000	168
	sclass6	S/# of classes G6	0.239	0.002	168
	zsbldgco	R:/ school building condition	-0.085	0.275	168
	zstoitot	D:/ the number of toilets	0.065	0.405	168
	zsrto22	D:/ total school resources [max=22]	0.185	0.017	168
	sborrow	S/Pupils can borrow books	-0.011	0.891	168
NAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		270
	pexteng	P/Extra tuition-subject-English	-0.253	0.000	270
	pextoth	P/Extra tuition-other subjects	0.005	0.940	270
	zpextpay	R:/ paying for extra tuitions	-0.208	0.002	223
	zslocati	R:/ school location	0.685	0.000	270
	zsptrati	D:/ pupils-teacher ratio	-0.294	0.000	270
	bigshift	D:/ the maximum number of pupils among shift	0.242	0.000	270
	zsessnu	D:/ the number of shifts	-0.051	0.408	270
	sclass	S/# of classes	0.380	0.000	270
	sclass6	S/# of classes G6	0.263	0.000	270



	zsbldgco	R:/ school building condition	-0.347	<u>0.000</u>	270
	zstoitot	D:/ the number of toilets	0.600	<u>0.000</u>	270
	zsrto22	D:/ total school resources [max=22]	0.730	<u>0.000</u>	270
	sborrow	S/Pupils can borrow books	0.233	<u>0.000</u>	270
SEY	ratotp	SCR:/ teacher reading-all total raw score	1.000		24
	pexteng	P/Extra tuition-subject-English	-0.065	0.762	24
	pextoth	P/Extra tuition-other subjects	0.088	0.683	24
	zpextpay	R:/ paying for extra tuitions	-0.622	<u>0.001</u>	24
	zslocati	R:/ school location	0.283	0.180	24
	zsprati	D:/ pupils-teacher ratio	0.182	0.396	24
	bigshift	D:/ the maximum number of pupils among shift	0.045	0.835	24
	zssessnu	D:/ the number of shifts	.(a)	.	24
	sclass	S/# of classes	-0.033	0.877	24
	sclass6	S/# of classes G6	0.039	0.858	24
	zsbldgco	R:/ school building condition	-0.149	0.488	24
	zstoitot	D:/ the number of toilets	-0.007	0.973	24
	zsrto22	D:/ total school resources [max=22]	0.381	0.066	24
	sborrow	S/Pupils can borrow books	.(a)	.	24
SOU	ratotp	SCR:/ teacher reading-all total raw score	1.000		169
	pexteng	P/Extra tuition-subject-English	-0.378	<u>0.000</u>	169
	pextoth	P/Extra tuition-other subjects	-0.078	0.312	169
	zpextpay	R:/ paying for extra tuitions	-0.288	<u>0.000</u>	159
	zslocati	R:/ school location	0.681	<u>0.000</u>	167
	zsprati	D:/ pupils-teacher ratio	-0.125	0.107	167
	bigshift	D:/ the maximum number of pupils among shift	0.129	0.097	167
	zssessnu	D:/ the number of shifts	.(a)	.	167
	sclass	S/# of classes	0.300	<u>0.000</u>	167
	sclass6	S/# of classes G6	0.200	<u>0.009</u>	167
	zsbldgco	R:/ school building condition	-0.450	<u>0.000</u>	167
	zstoitot	D:/ the number of toilets	0.369	<u>0.000</u>	167
	zsrto22	D:/ total school resources [max=22]	0.727	<u>0.000</u>	167
	sborrow	S/Pupils can borrow books	0.647	<u>0.000</u>	167
SWA	ratotp	SCR:/ teacher reading-all total raw score	1.000		168
	pexteng	P/Extra tuition-subject-English	0.087	0.264	168
	pextoth	P/Extra tuition-other subjects	0.266	<u>0.000</u>	168
	zpextpay	R:/ paying for extra tuitions	-0.128	0.228	91
	zslocati	R:/ school location	0.394	<u>0.000</u>	168
	zsprati	D:/ pupils-teacher ratio	-0.120	0.120	168
	bigshift	D:/ the maximum number of pupils among shift	0.100	0.197	168
	zssessnu	D:/ the number of shifts	.(a)	.	168
	sclass	S/# of classes	0.122	0.115	168
	sclass6	S/# of classes G6	0.126	0.103	168
	zsbldgco	R:/ school building condition	-0.188	0.015	168
	zstoitot	D:/ the number of toilets	0.369	<u>0.000</u>	168
	zsrto22	D:/ total school resources [max=22]	0.462	<u>0.000</u>	168
	sborrow	S/Pupils can borrow books	0.254	<u>0.001</u>	168
TAN	ratotp	SCR:/ teacher reading-all total raw score	1.000		181
	pexteng	P/Extra tuition-subject-English	-0.121	0.105	181
	pextoth	P/Extra tuition-other subjects	0.155	<u>0.037</u>	181



	zpextpay	R:/ paying for extra tuitions	-0.284	0.000	176
	zslocati	R:/ school location	0.480	0.000	181
	zsptrati	D:/ pupils-teacher ratio	-0.261	0.000	181
	bigshift	D:/ the maximum number of pupils among shift	0.386	0.000	181
	zssessnu	D:/ the number of shifts	0.180	0.015	181
	sclass	S/# of classes	0.318	0.000	181
	sclass6	S/# of classes G6	0.313	0.000	181
	zsbldgco	R:/ school building condition	-0.179	0.016	181
	zstoitot	D:/ the number of toilets	0.026	0.725	181
	zsrto22	D:/ total school resources [max=22]	0.233	0.002	181
	sborrow	S/Pupils can borrow books	0.032	0.665	181
UGA	ratotp	SCR:/ teacher reading-all total raw score	1.000		163
	pexteng	P/Extra tuition-subject-English	-0.084	0.288	163
	pextoth	P/Extra tuition-other subjects	-0.007	0.929	163
	zpextpay	R:/ paying for extra tuitions	-0.044	0.582	160
	zslocati	R:/ school location	0.232	0.003	163
	zsptrati	D:/ pupils-teacher ratio	-0.086	0.278	163
	bigshift	D:/ the maximum number of pupils among shift	0.012	0.882	163
	zssessnu	D:/ the number of shifts	.(a)	.	163
	sclass	S/# of classes	0.008	0.917	163
	sclass6	S/# of classes G6	-0.006	0.935	163
	zsbldgco	R:/ school building condition	-0.211	0.007	163
	zstoitot	D:/ the number of toilets	0.065	0.409	163
	zsrto22	D:/ total school resources [max=22]	0.425	0.000	163
	sborrow	S/Pupils can borrow books	0.130	0.097	163
ZAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		173
	pexteng	P/Extra tuition-subject-English	0.135	0.076	173
	pextoth	P/Extra tuition-other subjects	0.254	0.001	173
	zpextpay	R:/ paying for extra tuitions	-0.391	0.000	159
	zslocati	R:/ school location	0.603	0.000	169
	zsptrati	D:/ pupils-teacher ratio	-0.346	0.000	169
	bigshift	D:/ the maximum number of pupils among shift	0.477	0.000	169
	zssessnu	D:/ the number of shifts	0.291	0.000	169
	sclass	S/# of classes	0.500	0.000	169
	sclass6	S/# of classes G6	0.541	0.000	169
	zsbldgco	R:/ school building condition	-0.141	0.067	169
	zstoitot	D:/ the number of toilets	0.476	0.000	169
	zsrto22	D:/ total school resources [max=22]	0.644	0.000	169
	sborrow	S/Pupils can borrow books	0.103	0.183	169
ZAN	ratotp	SCR:/ teacher reading-all total raw score	1.000		145
	pexteng	P/Extra tuition-subject-English	0.072	0.387	145
	pextoth	P/Extra tuition-other subjects	0.191	0.022	145
	zpextpay	R:/ paying for extra tuitions	-0.258	0.002	136
	zslocati	R:/ school location	0.348	0.000	145
	zsptrati	D:/ pupils-teacher ratio	-0.120	0.150	145
	bigshift	D:/ the maximum number of pupils among shift	0.142	0.089	145
	zssessnu	D:/ the number of shifts	0.002	0.982	145
	sclass	S/# of classes	0.173	0.037	145
	sclass6	S/# of classes G6	0.116	0.165	145



	zsbldgco	R:/ school building condition	0.052	0.536	145
	zstoitot	D:/ the number of toilets	0.046	0.584	145
	zsrto22	D:/ total school resources [max=22]	0.243	<u>0.003</u>	145
	sborrow	S/Pupils can borrow books	-0.027	0.749	145

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)

a Cannot be computed because at least one of the variables is constant

## APPENDIX 69

### SACMEQ EXTERNAL TEACHING CONTEXT - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	matot	SCR:/ teacher math-all total raw score	1.000		170
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.867	170
	pextmat	P/Extra tuition-subject-math	-0.013	0.056	170
	pextoth	P/Extra tuition-other subjects	0.147	0.135	170
	sborrow	S/Pupils can borrow books	0.115	0.000	170
	sclass	S/# of classes	0.353	0.617	170
	sclass6	S/# of classes G6	0.039	0.270	170
	zpextpay	R:/ paying for extra tuitions	-0.085	0.121	161
	zsbldgco	R:/ school building condition	-0.123	<u>0.027</u>	170
	zslocati	R:/ school location	-0.170	0.000	170
	zsprati	D:/ pupils-teacher ratio	0.305	<u>0.000</u>	170
	zsrto22	D:/ total school resources [max=22]	-0.337	<u>0.000</u>	170
	zssessnu	D:/ the number of shifts	0.574	0.212	170
zstoitot	D:/ the number of toilets	-0.096	0.000	170	
KEN	matot	SCR:/ teacher math-all total raw score	0.368		185
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.390	184
	pextmat	P/Extra tuition-subject-math	0.064	0.085	185
	pextoth	P/Extra tuition-other subjects	0.127	0.182	185
	sborrow	S/Pupils can borrow books	0.099	<u>0.003</u>	184
	sclass	S/# of classes	0.214	0.224	184
	sclass6	S/# of classes G6	0.090	<u>0.018</u>	184
	zpextpay	R:/ paying for extra tuitions	0.174	0.982	181
	zsbldgco	R:/ school building condition	0.002	0.000	184
	zslocati	R:/ school location	-0.289	0.000	184
	zsprati	D:/ pupils-teacher ratio	0.306	0.000	184
	zsrto22	D:/ total school resources [max=22]	-0.328	<u>0.000</u>	184
	zssessnu	D:/ the number of shifts	0.444	0.879	184
zstoitot	D:/ the number of toilets	0.011	<u>0.000</u>	184	
LES	matot	SCR:/ teacher math-all total raw score	0.337		177
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.091	177
	pextmat	P/Extra tuition-subject-math	0.127	0.138	177
	pextoth	P/Extra tuition-other subjects	0.112	0.286	177
	sborrow	S/Pupils can borrow books	0.081	0.934	177
	sclass	S/# of classes	0.006	0.270	177
	sclass6	S/# of classes G6	0.083	0.363	177
	zpextpay	R:/ paying for extra tuitions	0.069	0.098	131
	zsbldgco	R:/ school building condition	-0.145	<u>0.003</u>	177



	zslocati	R:/ school location	-0.224	0.000	177
	zsprati	D:/ pupils-teacher ratio	0.421	0.699	177
	zsrto22	D:/ total school resources [max=22]	0.029	0.000	177
	zssessnu	D:/ the number of shifts	0.360	.	177
	zstoitot	D:/ the number of toilets	.(a)	0.258	177
MAL	matot	SCR:/ teacher math-all total raw score	0.085		140
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	140
	pextmat	P/Extra tuition-subject-math	0.295	0.399	140
	pextoth	P/Extra tuition-other subjects	0.072	0.140	140
	sborrow	S/Pupils can borrow books	-0.125	0.949	140
	sclass	S/# of classes	0.005	0.013	140
	sclass6	S/# of classes G6	0.210	0.001	140
	zpextpay	R:/ paying for extra tuitions	0.267	0.577	129
	zsbldgco	R:/ school building condition	0.050	0.609	140
	zslocati	R:/ school location	0.044	0.000	140
	zsprati	D:/ pupils-teacher ratio	0.292	0.710	140
	zsrto22	D:/ total school resources [max=22]	-0.032	0.002	140
	zssessnu	D:/ the number of shifts	0.256	0.006	140
	zstoitot	D:/ the number of toilets	0.232	0.015	140
MAU	matot	SCR:/ teacher math-all total raw score	0.205		153
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	153
	pextmat	P/Extra tuition-subject-math	0.480	0.000	153
	pextoth	P/Extra tuition-other subjects	0.285	0.000	153
	sborrow	S/Pupils can borrow books	0.503	0.166	153
	sclass	S/# of classes	0.113	0.000	153
	sclass6	S/# of classes G6	0.433	0.001	153
	zpextpay	R:/ paying for extra tuitions	0.274	0.000	153
	zsbldgco	R:/ school building condition	-0.285	0.952	153
	zslocati	R:/ school location	0.005	0.186	153
	zsprati	D:/ pupils-teacher ratio	0.107	0.409	153
	zsrto22	D:/ total school resources [max=22]	0.067	0.664	153
	zssessnu	D:/ the number of shifts	0.035	.	153
	zstoitot	D:/ the number of toilets	.(a)	0.000	153
MOZ	matot	SCR:/ teacher math-all total raw score	0.313		176
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.051	168
	pextmat	P/Extra tuition-subject-math	0.151	0.061	176
	pextoth	P/Extra tuition-other subjects	-0.142	0.037	176
	sborrow	S/Pupils can borrow books	-0.158	0.209	168
	sclass	S/# of classes	-0.097	0.011	168
	sclass6	S/# of classes G6	0.196	0.246	168
	zpextpay	R:/ paying for extra tuitions	0.090	0.419	174
	zsbldgco	R:/ school building condition	-0.062	0.566	168
	zslocati	R:/ school location	-0.045	0.037	168
	zsprati	D:/ pupils-teacher ratio	0.161	0.415	168
	zsrto22	D:/ total school resources [max=22]	0.063	0.677	168
	zssessnu	D:/ the number of shifts	0.032	0.101	168
	zstoitot	D:/ the number of toilets	0.127	0.567	168
NAM	matot	SCR:/ teacher math-all total raw score	0.044		270
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.005	270



	pextmat	P/Extra tuition-subject-math	0.169	<u>0.001</u>	270
	pextoth	P/Extra tuition-other subjects	-0.200	0.558	270
	sborrow	S/Pupils can borrow books	-0.036	<u>0.000</u>	270
	sclass	S/# of classes	0.230	<u>0.000</u>	270
	sclass6	S/# of classes G6	0.329	<u>0.002</u>	270
	zpextpay	R:/ paying for extra tuitions	0.190	<u>0.005</u>	223
	zsbldgco	R:/ school building conditior	-0.187	<u>0.000</u>	270
	zslocati	R:/ school location	-0.335	<u>0.000</u>	270
	zsprati	D:/ pupils-teacher ratio	0.614	<u>0.000</u>	270
	zsrto22	D:/ total school resources [max=22]	-0.309	<u>0.000</u>	270
	zssessnu	D:/ the number of shifts	0.688	0.339	270
	zstoitot	D:/ the number of toilets	-0.058	<u>0.000</u>	270
SEY	matot	SCR:/ teacher math-all total raw score	0.570		24
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.649	24
	pextmat	P/Extra tuition-subject-math	0.098	0.771	24
	pextoth	P/Extra tuition-other subjects	-0.063	0.776	24
	sborrow	S/Pupils can borrow books	0.061	.	24
	sclass	S/# of classes	.(a)	0.832	24
	sclass6	S/# of classes G6	0.046	0.656	24
	zpextpay	R:/ paying for extra tuitions	0.096	<u>0.000</u>	24
	zsbldgco	R:/ school building conditior	-0.660	0.455	24
	zslocati	R:/ school location	-0.160	0.249	24
	zsprati	D:/ pupils-teacher ratio	0.245	0.296	24
	zsrto22	D:/ total school resources [max=22]	0.222	<u>0.048</u>	24
	zssessnu	D:/ the number of shifts	0.408	.	24
	zstoitot	D:/ the number of toilets	.(a)	0.887	24
SOU	matot	SCR:/ teacher math-all total raw score	0.031		169
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.323	167
	pextmat	P/Extra tuition-subject-math	0.077	<u>0.000</u>	169
	pextoth	P/Extra tuition-other subjects	-0.279	0.220	169
	sborrow	S/Pupils can borrow books	-0.095	<u>0.000</u>	167
	sclass	S/# of classes	0.622	<u>0.001</u>	167
	sclass6	S/# of classes G6	0.262	0.071	167
	zpextpay	R:/ paying for extra tuitions	0.140	<u>0.000</u>	159
	zsbldgco	R:/ school building conditior	-0.324	<u>0.000</u>	167
	zslocati	R:/ school location	-0.411	<u>0.000</u>	167
	zsprati	D:/ pupils-teacher ratio	0.582	0.183	167
	zsrto22	D:/ total school resources [max=22]	-0.104	<u>0.000</u>	167
	zssessnu	D:/ the number of shifts	0.659	.	167
	zstoitot	D:/ the number of toilets	.(a)	<u>0.000</u>	167
SWA	matot	SCR:/ teacher math-all total raw score	0.342		168
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.777	168
	pextmat	P/Extra tuition-subject-math	0.022	<u>0.009</u>	168
	pextoth	P/Extra tuition-other subjects	0.201	<u>0.007</u>	168
	sborrow	S/Pupils can borrow books	0.209	<u>0.019</u>	168
	sclass	S/# of classes	0.181	0.723	168
	sclass6	S/# of classes G6	0.028	0.990	168
	zpextpay	R:/ paying for extra tuitions	-0.001	0.123	91
	zsbldgco	R:/ school building conditior	-0.163	<u>0.006</u>	168





	zslocati	R:/ school location	-0.211	0.008	168
	zsprati	D:/ pupils-teacher ratio	0.203	0.443	168
	zsrto22	D:/ total school resources [max=22]	-0.060	0.000	168
	zssessnu	D:/ the number of shifts	0.322	.	168
	zstoitot	D:/ the number of toilets	.(a)	0.001	168
TAN	matot	SCR:/ teacher math-all total raw score	0.258		181
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	181
	pextmat	P/Extra tuition-subject-math	0.284	0.000	181
	pextoth	P/Extra tuition-other subjects	0.358	0.001	181
	sborrow	S/Pupils can borrow books	0.237	0.852	181
	sclass	S/# of classes	-0.014	0.004	181
	sclass6	S/# of classes G6	0.212	0.001	181
	zpextpay	R:/ paying for extra tuitions	0.245	0.001	176
	zsbldgco	R:/ school building condition	-0.254	0.020	181
	zslocati	R:/ school location	-0.173	0.000	181
	zsprati	D:/ pupils-teacher ratio	0.362	0.001	181
	zsrto22	D:/ total school resources [max=22]	-0.236	0.010	181
	zssessnu	D:/ the number of shifts	0.190	0.269	181
	zstoitot	D:/ the number of toilets	0.083	0.909	181
UGA	matot	SCR:/ teacher math-all total raw score	0.009		163
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.181	163
	pextmat	P/Extra tuition-subject-math	-0.105	0.817	163
	pextoth	P/Extra tuition-other subjects	-0.018	0.756	163
	sborrow	S/Pupils can borrow books	-0.025	0.236	163
	sclass	S/# of classes	0.093	0.234	163
	sclass6	S/# of classes G6	-0.094	0.700	163
	zpextpay	R:/ paying for extra tuitions	-0.030	0.474	160
	zsbldgco	R:/ school building condition	0.057	0.090	163
	zslocati	R:/ school location	-0.133	0.174	163
	zsprati	D:/ pupils-teacher ratio	0.107	0.123	163
	zsrto22	D:/ total school resources [max=22]	-0.121	0.003	163
	zssessnu	D:/ the number of shifts	0.230	.	163
	zstoitot	D:/ the number of toilets	.(a)	0.899	163
ZAM	matot	SCR:/ teacher math-all total raw score	0.010		173
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	169
	pextmat	P/Extra tuition-subject-math	0.343	0.013	173
	pextoth	P/Extra tuition-other subjects	0.188	0.026	173
	sborrow	S/Pupils can borrow books	0.169	0.176	169
	sclass	S/# of classes	0.105	0.000	169
	sclass6	S/# of classes G6	0.292	0.000	169
	zpextpay	R:/ paying for extra tuitions	0.335	0.000	159
	zsbldgco	R:/ school building condition	-0.282	0.604	169
	zslocati	R:/ school location	-0.040	0.000	169
	zsprati	D:/ pupils-teacher ratio	0.419	0.000	169
	zsrto22	D:/ total school resources [max=22]	-0.317	0.000	169
	zssessnu	D:/ the number of shifts	0.478	0.065	169
	zstoitot	D:/ the number of toilets	0.142	0.000	169
ZAN	matot	SCR:/ teacher math-all total raw score	0.373		145
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.785	145



	pextmat	P/Extra tuition-subject-math	0.023	<u>0.012</u>	145
	pextoth	P/Extra tuition-other subjects	0.209	0.064	145
	sborrow	S/Pupils can borrow books	0.154	0.686	145
	sclass	S/# of classes	-0.034	0.420	145
	sclass6	S/# of classes G6	0.067	0.544	145
	zpextpay	R:/ paying for extra tuitions	-0.051	0.741	136
	zsldgco	R:/ school building condition	-0.029	0.305	145
	zslocati	R:/ school location	0.086	0.378	145
	zsprati	D:/ pupils-teacher ratio	0.074	0.344	145
	zsrto22	D:/ total school resources [max=22]	-0.079	0.059	145
	zssessnu	D:/ the number of shifts	0.157	0.458	145
	zstoitot	D:/ the number of toilets	-0.062	0.257	145

\*\*

Correlation is significant at the 0.01 level (2-tailed)

0.095

\*

Correlation is significant at the 0.05 level (2-tailed)

a

Cannot be computed because at least one of the variables is constant



**APPENDIX 70**  
**SACMEQ INTERNAL TEACHING CONTEXT - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N
BOT	ratotp	SCR:/ Pupil math-all total raw score	1.000		170
	zpborrow	R:/ borrow books	0.074	0.339	168
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.140	0.070	170
	fxaccess	Teachers' access to material	0.080	0.299	170
	zpwwrite	R:/ writing place	.(a)	.	170
	zpsit	R:/ sitting place	.(a)	.	170
	zphmwkr	R:/ being given reading homework	0.025	0.746	170
	zphmwkrc	R:/ being corrected reading homework	-0.252	<u>0.001</u>	169
	zptextr	R:/ sharing/owning reading textbooks	0.037	0.636	170
	xclsize	D:/Reading class size	0.057	0.457	170
	zxyclbks	D:/ the number of classroom books	0.070	0.366	170
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.092	0.232	170
	zxcres8	D:/ reading teacher total class resources [max=8]	0.099	0.199	170
	xperiods	T/Periods/week	0.052	0.500	170
	xminutes	T/Minutes/lesson	0.026	0.733	170
	sminutes	S/Minutes/periods	-0.010	0.897	170
	speriods	S/# Periods	-0.080	0.298	170
KEN	ratotp	SCR:/ Pupil math-all total raw score	1.000		185
	zpborrow	R:/ borrow books	0.244	0.063	59
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.175	<u>0.017</u>	185
	fxaccess	Teachers' access to material	0.159	<u>0.035</u>	175
	zpwwrite	R:/ writing place	0.251	<u>0.001</u>	185
	zpsit	R:/ sitting place	0.247	<u>0.001</u>	185
	zphmwkr	R:/ being given reading homework	0.226	<u>0.002</u>	185
	zphmwkrc	R:/ being corrected reading homework	0.255	<u>0.000</u>	185
	zptextr	R:/ sharing/owning reading textbooks	0.266	<u>0.000</u>	185
	xclsize	D:/Reading class size	0.007	0.922	185
	zxyclbks	D:/ the number of classroom books	0.134	0.079	172
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.412	<u>0.000</u>	174
	zxcres8	D:/ reading teacher total class resources [max=8]	0.387	<u>0.000</u>	174
	xperiods	T/Periods/week	-0.147	0.051	175
	xminutes	T/Minutes/lesson	0.028	0.711	175
	sminutes	S/Minutes/periods	0.092	0.212	184
	speriods	S/# Periods	-0.452	<u>0.000</u>	184
LES	ratotp	SCR:/ Pupil math-all total raw score	1.000		177
	zpborrow	R:/ borrow books	0.092	0.494	58
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.173	<u>0.021</u>	177
	fxaccess	Teachers' access to material	0.172	<u>0.022</u>	177
	zpwwrite	R:/ writing place	-0.088	0.244	177
	zpsit	R:/ sitting place	-0.103	0.173	177
	zphmwkr	R:/ being given reading homework	0.069	0.362	177
	zphmwkrc	R:/ being corrected reading homework	-0.002	0.976	177
	zptextr	R:/ sharing/owning reading textbooks	0.014	0.848	177
	xclsize	D:/Reading class size	0.084	0.268	177
	zxyclbks	D:/ the number of classroom books	-0.031	0.681	177
	zxclfum	D:/ reading teacher total class furniture [max=5]	-0.023	0.757	177
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.009	0.907	177
	xperiods	T/Periods/week	0.003	0.968	177
	xminutes	T/Minutes/lesson	0.038	0.619	177
	sminutes	S/Minutes/periods	0.176	<u>0.019</u>	177
	speriods	S/# Periods	-0.034	0.657	177
MAL	ratotp	SCR:/ Pupil math-all total raw score	1.000		140
	zpborrow	R:/ borrow books	0.038	0.761	67
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.335	<u>0.000</u>	140
	fxaccess	Teachers' access to material	-0.099	0.246	139
	zpwwrite	R:/ writing place	-0.044	0.607	140
zpsit	R:/ sitting place	-0.031	0.717	140	



	zphmwkr	R:/ being given reading homework	0.054	0.523	140
	zphmwkr	R:/ being corrected reading homework	-0.103	0.297	104
	zptextr	R:/ sharing/owning reading textbooks	0.100	0.242	140
	xclsize	D:/Reading class size	0.233	<u>0.006</u>	140
	zxyclbks	D:/ the number of classroom books	-0.079	0.360	135
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.001	0.987	139
	zxcres8	D:/ reading teacher total class resources [max=8]	0.012	0.890	139
	xperiods	T/Periods/week	-0.230	<u>0.006</u>	139
	xminutes	T/Minutes/lesson	-0.048	0.577	139
	sminutes	S/Minutes/periods	-0.167	<u>0.048</u>	140
	speriods	S/# Periods	-0.254	<u>0.002</u>	140
MAU	ratotp	SCR:/ Pupil math-all total raw score	1.000		153
	zpborrow	R:/ borrow books	0.167	<u>0.040</u>	152
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.034	0.679	153
	fxaccess	Teachers' access to material	0.052	0.526	153
	zpwite	R:/ writing place	.(a)	.	153
	zpsit	R:/ sitting place	.(a)	.	153
	zphmwkr	R:/ being given reading homework	0.012	0.887	153
	zphmwkr	R:/ being corrected reading homework	-0.087	0.286	153
	zptextr	R:/ sharing/owning reading textbooks	0.002	0.978	153
	xclsize	D:/Reading class size	0.426	<u>0.000</u>	153
	zxyclbks	D:/ the number of classroom books	0.160	<u>0.048</u>	153
	zxclfum	D:/ reading teacher total class furniture [max=5]	-0.018	0.824	153
	zxcres8	D:/ reading teacher total class resources [max=8]	0.007	0.928	153
	xperiods	T/Periods/week	-0.039	0.629	153
	xminutes	T/Minutes/lesson	0.009	0.916	153
	sminutes	S/Minutes/periods	-0.032	0.691	152
	speriods	S/# Periods	0.048	0.557	153
MOZ	ratotp	SCR:/ Pupil math-all total raw score	1.000		176
	zpborrow	R:/ borrow books	-0.166	<u>0.033</u>	166
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.240	<u>0.001</u>	176
	fxaccess	Teachers' access to material	-0.105	0.168	173
	zpwite	R:/ writing place	0.157	<u>0.038</u>	176
	zpsit	R:/ sitting place	0.116	0.126	176
	zphmwkr	R:/ being given reading homework	-0.021	0.780	176
	zphmwkr	R:/ being corrected reading homework	0.005	0.947	176
	zptextr	R:/ sharing/owning reading textbooks	0.154	<u>0.041</u>	176
	xclsize	D:/Reading class size	-0.072	0.342	176
	zxyclbks	D:/ the number of classroom books	-0.125	0.110	164
	zxclfum	D:/ reading teacher total class furniture [max=5]	-0.019	0.811	166
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.054	0.486	166
	xperiods	T/Periods/week	0.013	0.861	173
	xminutes	T/Minutes/lesson	-0.099	0.193	173
	sminutes	S/Minutes/periods	-0.266	<u>0.001</u>	167
	speriods	S/# Periods	-0.253	<u>0.001</u>	168
NAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		270
	zpborrow	R:/ borrow books	0.095	0.121	269
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.194	<u>0.001</u>	270
	fxaccess	Teachers' access to material	0.146	<u>0.017</u>	269
	zpwite	R:/ writing place	0.114	0.060	270
	zpsit	R:/ sitting place	0.091	0.137	270
	zphmwkr	R:/ being given reading homework	-0.234	<u>0.000</u>	270
	zphmwkr	R:/ being corrected reading homework	-0.164	<u>0.007</u>	267
	zptextr	R:/ sharing/owning reading textbooks	0.310	<u>0.000</u>	270
	xclsize	D:/Reading class size	-0.250	<u>0.000</u>	270
	zxyclbks	D:/ the number of classroom books	-0.136	<u>0.026</u>	269
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.409	<u>0.000</u>	269
	zxcres8	D:/ reading teacher total class resources [max=8]	0.416	<u>0.000</u>	269
	xperiods	T/Periods/week	0.141	<u>0.021</u>	269
	xminutes	T/Minutes/lesson	0.103	0.091	269
	sminutes	S/Minutes/periods	-0.017	0.782	270



	speriods	S/# Periods	-0.237	<u>0.000</u>	270
SEY	ratotp	SCR:/ Pupil math-all total raw score	1.000		24
	zpborrow	R:/ borrow books	0.413	<u>0.045</u>	24
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.299	<u>0.155</u>	24
	fxaccess	Teachers' access to material	0.276	<u>0.191</u>	24
	zppwrite	R:/ writing place	.(a)	.	24
	zpsit	R:/ sitting place	.(a)	.	24
	zphmwkr	R:/ being given reading homework	-0.009	<u>0.966</u>	24
	zphmwkrc	R:/ being corrected reading homework	-0.169	<u>0.431</u>	24
	zptextr	R:/ sharing/owning reading textbooks	0.453	<u>0.026</u>	24
	xclsize	D:/Reading class size	0.059	<u>0.783</u>	24
	zxcylbks	D:/ the number of classroom books	0.194	<u>0.365</u>	24
	zxcclfurn	D:/ reading teacher total class furniture [max=5]	0.047	<u>0.828</u>	24
	zxcclres8	D:/ reading teacher total class resources [max=8]	-0.094	<u>0.662</u>	24
	xperiods	T/Periods/week	-0.313	<u>0.136</u>	24
	xminutes	T/Minutes/lesson	-0.115	<u>0.593</u>	24
	sminutes	S/Minutes/periods	0.232	<u>0.275</u>	24
	speriods	S/# Periods	0.089	<u>0.679</u>	24
SOU	ratotp	SCR:/ Pupil math-all total raw score	1.000		169
	zpborrow	R:/ borrow books	0.260	<u>0.001</u>	163
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.348	<u>0.000</u>	169
	fxaccess	Teachers' access to material	0.246	<u>0.001</u>	164
	zppwrite	R:/ writing place	0.249	<u>0.001</u>	169
	zpsit	R:/ sitting place	0.265	<u>0.000</u>	169
	zphmwkr	R:/ being given reading homework	-0.196	<u>0.010</u>	169
	zphmwkrc	R:/ being corrected reading homework	-0.123	<u>0.113</u>	168
	zptextr	R:/ sharing/owning reading textbooks	0.182	<u>0.018</u>	169
	xclsize	D:/Reading class size	-0.227	<u>0.003</u>	169
	zxcylbks	D:/ the number of classroom books	-0.020	<u>0.805</u>	159
	zxcclfurn	D:/ reading teacher total class furniture [max=5]	0.418	<u>0.000</u>	162
	zxcclres8	D:/ reading teacher total class resources [max=8]	0.421	<u>0.000</u>	162
	xperiods	T/Periods/week	0.245	<u>0.002</u>	164
	xminutes	T/Minutes/lesson	0.105	<u>0.181</u>	164
	sminutes	S/Minutes/periods	-0.109	<u>0.159</u>	167
	speriods	S/# Periods	-0.253	<u>0.001</u>	167
SWA	ratotp	SCR:/ Pupil math-all total raw score	1.000		168
	zpborrow	R:/ borrow books	0.157	<u>0.098</u>	113
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.198	<u>0.010</u>	168
	fxaccess	Teachers' access to material	0.062	<u>0.433</u>	164
	zppwrite	R:/ writing place	0.119	<u>0.124</u>	168
	zpsit	R:/ sitting place	0.031	<u>0.687</u>	168
	zphmwkr	R:/ being given reading homework	0.109	<u>0.159</u>	168
	zphmwkrc	R:/ being corrected reading homework	-0.183	<u>0.023</u>	154
	zptextr	R:/ sharing/owning reading textbooks	0.074	<u>0.342</u>	168
	xclsize	D:/Reading class size	0.083	<u>0.282</u>	168
	zxcylbks	D:/ the number of classroom books	0.114	<u>0.148</u>	162
	zxcclfurn	D:/ reading teacher total class furniture [max=5]	0.258	<u>0.001</u>	164
	zxcclres8	D:/ reading teacher total class resources [max=8]	0.322	<u>0.000</u>	164
	xperiods	T/Periods/week	0.095	<u>0.227</u>	164
	xminutes	T/Minutes/lesson	-0.070	<u>0.376</u>	164
	sminutes	S/Minutes/periods	0.066	<u>0.396</u>	168
	speriods	S/# Periods	-0.089	<u>0.250</u>	168
TAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		181
	zpborrow	R:/ borrow books	0.011	<u>0.890</u>	172
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.130	<u>0.081</u>	181
	fxaccess	Teachers' access to material	0.123	<u>0.101</u>	179
	zppwrite	R:/ writing place	0.443	<u>0.000</u>	181
	zpsit	R:/ sitting place	0.489	<u>0.000</u>	181
	zphmwkr	R:/ being given reading homework	0.381	<u>0.000</u>	181
	zphmwkrc	R:/ being corrected reading homework	0.253	<u>0.001</u>	180
	zptextr	R:/ sharing/owning reading textbooks	0.052	<u>0.488</u>	181



	xclsize	D:/Reading class size	0.219	<u>0.003</u>	181
	zxyclbks	D:/ the number of classroom books	0.085	0.263	177
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.037	0.625	179
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.003	0.964	179
	xperiods	T/Periods/week	-0.326	<u>0.000</u>	179
	xminutes	T/Minutes/lesson	-0.118	0.117	179
	sminutes	S/Minutes/periods	0.033	0.655	181
	speriods	S/# Periods	-0.459	<u>0.000</u>	181
UGA	ratotp	SCR:/ Pupil math-all total raw score	1.000		163
	zpborrow	R:/ borrow books	-0.046	0.573	156
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.319	<u>0.000</u>	163
	fxaccess	Teachers' access to material	0.209	<u>0.008</u>	159
	zpwrite	R:/ writing place	0.196	<u>0.012</u>	163
	zpsit	R:/ sitting place	0.266	<u>0.001</u>	163
	zphmwkr	R:/ being given reading homework	0.086	0.277	163
	zphmwkrc	R:/ being corrected reading homework	0.288	<u>0.000</u>	161
	zptextr	R:/ sharing/owning reading textbooks	0.039	0.620	163
	xclsize	D:/Reading class size	0.057	0.471	163
	zxyclbks	D:/ the number of classroom books	-0.037	0.694	118
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.119	0.135	159
	zxcres8	D:/ reading teacher total class resources [max=8]	0.125	0.117	159
	xperiods	T/Periods/week	-0.177	<u>0.026</u>	159
	xminutes	T/Minutes/lesson	0.146	0.067	159
	sminutes	S/Minutes/periods	0.118	0.133	163
	speriods	S/# Periods	-0.102	0.196	163
ZAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		173
	zpborrow	R:/ borrow books	0.183	<u>0.023</u>	154
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.051	0.505	173
	fxaccess	Teachers' access to material	0.029	0.708	169
	zpwrite	R:/ writing place	0.202	<u>0.008</u>	173
	zpsit	R:/ sitting place	0.142	0.063	173
	zphmwkr	R:/ being given reading homework	0.332	<u>0.000</u>	173
	zphmwkrc	R:/ being corrected reading homework	0.181	<u>0.022</u>	160
	zptextr	R:/ sharing/owning reading textbooks	-0.191	<u>0.012</u>	173
	xclsize	D:/Reading class size	0.292	<u>0.000</u>	173
	zxyclbks	D:/ the number of classroom books	0.082	0.296	166
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.239	<u>0.002</u>	166
	zxcres8	D:/ reading teacher total class resources [max=8]	0.166	<u>0.033</u>	166
	xperiods	T/Periods/week	-0.162	<u>0.035</u>	169
	xminutes	T/Minutes/lesson	0.001	0.991	169
	sminutes	S/Minutes/periods	-0.218	<u>0.004</u>	169
	speriods	S/# Periods	-0.449	<u>0.000</u>	169
ZAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		145
	zpborrow	R:/ borrow books	-0.129	0.144	129
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.345	<u>0.000</u>	145
	fxaccess	Teachers' access to material	0.030	0.723	140
	zpwrite	R:/ writing place	0.026	0.757	145
	zpsit	R:/ sitting place	-0.004	0.963	145
	zphmwkr	R:/ being given reading homework	0.097	0.243	145
	zphmwkrc	R:/ being corrected reading homework	0.071	0.406	141
	zptextr	R:/ sharing/owning reading textbooks	-0.047	0.578	145
	xclsize	D:/Reading class size	0.176	<u>0.034</u>	145
	zxyclbks	D:/ the number of classroom books	0.068	0.438	133
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.048	0.572	140
	zxcres8	D:/ reading teacher total class resources [max=8]	0.024	0.775	140
	xperiods	T/Periods/week	-0.066	0.438	140
	xminutes	T/Minutes/lesson	0.124	0.144	140
	sminutes	S/Minutes/periods	-0.082	0.329	145
	speriods	S/# Periods	-0.226	<u>0.006</u>	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).



a Cannot be computed because at least one of the variables is constant.

**APPENDIX 70**  
**SACMEQ INTERNAL TEACHING CONTEXT - MATHEMATICS**

Countries	Variables	Description	Pearson Corr	Sig. (2-tailed)	N	
BOT	matotp	SCR:/ teacher math-all total raw score	1.000		170	
	zpborrow	R:/ borrow books	0.136	0.079	168	
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.177	<u>0.021</u>	170	
	zpsit	R:/ sitting place	.(a)	.	170	
	zpwwrite	R:/ writing place	.(a)	.	170	
	zphmwkm	R:/ being given mathematics homework	0.211	<u>0.006</u>	170	
	zphmwkmc	R:/ being corrected mathematics homework	-0.004	0.961	170	
	zptextm	R:/ sharing/owning mathematics textbooks	0.070	0.362	170	
	yclsiz	D:/Mathematics class size	-0.057	0.460	170	
	zxyclbks	D:/ the number of classroom books	0.122	0.114	170	
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.114	0.138	170	
	zyclres8	D:/ math teacher total class resources [max=8]	0.131	0.088	170	
	fy1access	Math teacher access (factor)	0.109	0.159	170	
	fy2access	Math teacher access (factor)	0.195	<u>0.011</u>	170	
	yperiods	T/Periods/week	0.041	0.594	170	
	yminutes	S/Minutes/periods	-0.066	0.395	170	
	speriods	School head number of periods	-0.037	0.636	170	
	sminutes	S/Minutes/periods	-0.018	0.819	170	
	KEN	matotp	SCR:/ teacher math-all total raw score	1.000		185
		zpborrow	R:/ borrow books	0.103	0.436	59
fyzpmat		Pupils' school material (exercise book, ruler)	-0.171	<u>0.020</u>	185	
zpsit		R:/ sitting place	0.196	<u>0.008</u>	185	
zpwwrite		R:/ writing place	0.172	<u>0.019</u>	185	
zphmwkm		R:/ being given mathematics homework	0.287	<u>0.000</u>	185	
zphmwkmc		R:/ being corrected mathematics homework	0.230	<u>0.002</u>	185	
zptextm		R:/ sharing/owning mathematics textbooks	0.354	<u>0.000</u>	185	
yclsiz		D:/Mathematics class size	-0.033	0.656	185	
zxyclbks		D:/ the number of classroom books	0.085	0.266	172	
zyclfurn		D:/ math teacher total class furniture [max=5]	0.329	<u>0.000</u>	180	
zyclres8		D:/ math teacher total class resources [max=8]	0.272	<u>0.000</u>	180	
fy1access		Math teacher access (factor)	0.134	0.072	180	
fy2access		Math teacher access (factor)	0.057	0.449	180	
yperiods		T/Periods/week	-0.146	0.051	180	
yminutes		S/Minutes/periods	.(a)	.	180	
speriods		School head number of periods	-0.368	<u>0.000</u>	184	
sminutes		S/Minutes/periods	0.123	<u>0.095</u>	184	
LES		matotp	SCR:/ teacher math-all total raw score	1.000		177
		zpborrow	R:/ borrow books	0.049	0.717	58
	fyzpmat	Pupils' school material (exercise book, ruler)	0.137	0.069	177	
	zpsit	R:/ sitting place	-0.116	0.125	177	
	zpwwrite	R:/ writing place	-0.052	0.491	177	
	zphmwkm	R:/ being given mathematics homework	-0.003	0.970	177	
	zphmwkmc	R:/ being corrected mathematics homework	-0.090	0.235	177	
	zptextm	R:/ sharing/owning mathematics textbooks	-0.019	0.797	177	
	yclsiz	D:/Mathematics class size	0.115	0.127	177	
	zxyclbks	D:/ the number of classroom books	-0.092	0.223	177	
	zyclfurn	D:/ math teacher total class furniture [max=5]	-0.012	0.877	177	
	zyclres8	D:/ math teacher total class resources [max=8]	-0.015	0.847	177	
	fy1access	Math teacher access (factor)	0.132	0.079	177	
	fy2access	Math teacher access (factor)	-0.001	0.989	177	
	yperiods	T/Periods/week	0.020	0.795	177	
	yminutes	S/Minutes/periods	0.053	0.486	177	
	speriods	School head number of periods	0.062	0.415	177	
	sminutes	S/Minutes/periods	0.195	<u>0.009</u>	177	
	MAL	matotp	SCR:/ teacher math-all total raw score	1.000		140



	zpborrow	R:/ borrow books	0.146	0.240	67
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.251	<u>0.003</u>	140
	zpsit	R:/ sitting place	-0.083	0.328	140
	zpwrite	R:/ writing place	-0.111	0.193	140
	zphmwkm	R:/ being given mathematics homework	0.026	0.757	140
	zphmwkmc	R:/ being corrected mathematics homework	-0.009	0.920	132
	zptextm	R:/ sharing/owning mathematics textbooks	-0.041	0.632	140
	yclsize	D:/Mathematics class size	0.193	<u>0.022</u>	140
	zxyclbks	D:/ the number of classroom books	-0.048	0.581	135
	zyclfum	D:/ math teacher total class furniture [max=5]	-0.108	0.211	136
	zyclres8	D:/ math teacher total class resources [max=8]	-0.102	0.239	136
	fy1access	Math teacher access (factor)	0.009	0.918	136
	fy2access	Math teacher access (factor)	0.009	0.913	136
	yperiods	T/Periods/week	-0.167	0.053	136
	yminutes	S/Minutes/periods	-0.026	0.762	136
	speriods	School head number of periods	-0.199	<u>0.019</u>	140
	sminutes	S/Minutes/periods	-0.084	0.326	140
MAU	matotp	SCR:/ teacher math-all total raw score	1.000		153
	zpborrow	R:/ borrow books	0.159	0.051	152
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.026	0.752	153
	zpsit	R:/ sitting place	.(a)	.	153
	zpwrite	R:/ writing place	.(a)	.	153
	zphmwkm	R:/ being given mathematics homework	0.320	<u>0.000</u>	153
	zphmwkmc	R:/ being corrected mathematics homework	-0.056	0.488	153
	zptextm	R:/ sharing/owning mathematics textbooks	-0.020	0.810	153
	yclsize	D:/Mathematics class size	0.480	<u>0.000</u>	153
	zxyclbks	D:/ the number of classroom books	0.187	<u>0.021</u>	153
	zyclfum	D:/ math teacher total class furniture [max=5]	-0.030	0.714	153
	zyclres8	D:/ math teacher total class resources [max=8]	-0.008	0.923	153
	fy1access	Math teacher access (factor)	0.011	0.891	153
	fy2access	Math teacher access (factor)	0.049	0.549	153
	yperiods	T/Periods/week	-0.033	0.684	153
	yminutes	S/Minutes/periods	-0.001	0.993	153
	speriods	School head number of periods	0.072	0.379	153
	sminutes	S/Minutes/periods	-0.062	0.450	152
MOZ	matotp	SCR:/ teacher math-all total raw score	1.000		176
	zpborrow	R:/ borrow books	-0.150	0.053	166
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.268	<u>0.000</u>	176
	zpsit	R:/ sitting place	0.020	0.797	176
	zpwrite	R:/ writing place	0.059	0.438	176
	zphmwkm	R:/ being given mathematics homework	0.042	0.582	176
	zphmwkmc	R:/ being corrected mathematics homework	0.120	0.113	176
	zptextm	R:/ sharing/owning mathematics textbooks	0.081	0.283	176
	yclsize	D:/Mathematics class size	-0.122	0.107	176
	zxyclbks	D:/ the number of classroom books	-0.143	0.067	164
	zyclfum	D:/ math teacher total class furniture [max=5]	-0.038	0.633	164
	zyclres8	D:/ math teacher total class resources [max=8]	-0.036	0.645	164
	fy1access	Math teacher access (factor)	-0.089	0.248	171
	fy2access	Math teacher access (factor)	-0.001	0.989	171
	yperiods	T/Periods/week	-0.043	0.576	171
	yminutes	S/Minutes/periods	-0.106	0.168	171
	speriods	School head number of periods	-0.235	<u>0.002</u>	168
	sminutes	S/Minutes/periods	-0.215	<u>0.005</u>	167
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		270
	zpborrow	R:/ borrow books	0.094	0.124	269
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.223	<u>0.000</u>	270
	zpsit	R:/ sitting place	0.097	0.112	270
	zpwrite	R:/ writing place	0.123	<u>0.043</u>	270
	zphmwkm	R:/ being given mathematics homework	0.303	<u>0.000</u>	270
	zphmwkmc	R:/ being corrected mathematics homework	-0.043	0.478	268
	zptextm	R:/ sharing/owning mathematics textbooks	0.384	<u>0.000</u>	270





	yclsize	D:/Mathematics class size	-0.282	<u>0.000</u>	270
	zxyclbks	D:/ the number of classroom books	-0.132	<u>0.030</u>	269
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.419	<u>0.000</u>	270
	zyclres8	D:/ math teacher total class resources [max=8]	0.402	<u>0.000</u>	270
	fy1access	Math teacher access (factor)	0.182	<u>0.003</u>	270
	fy2access	Math teacher access (factor)	0.076	<u>0.211</u>	270
	yperiods	T/Periods/week	0.103	0.091	270
	yminutes	S/Minutes/periods	-0.079	0.197	270
	speriods	School head number of periods	-0.177	<u>0.004</u>	270
	sminutes	S/Minutes/periods	-0.012	0.850	270
SEY	matotp	SCR:/ teacher math-all total raw score	1.000		24
	zpborrow	R:/ borrow books	0.330	0.115	24
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.362	0.082	24
	zpsit	R:/ sitting place	.(a)	.	24
	zppwrite	R:/ writing place	.(a)	.	24
	zphmwkm	R:/ being given mathematics homework	0.016	0.941	24
	zphmwkmc	R:/ being corrected mathematics homework	-0.020	0.926	24
	zptextm	R:/ sharing/owning mathematics textbooks	0.055	0.797	24
	yclsize	D:/Mathematics class size	-0.020	0.926	24
	zxyclbks	D:/ the number of classroom books	0.318	0.130	24
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.146	0.495	24
	zyclres8	D:/ math teacher total class resources [max=8]	0.209	0.327	24
	fy1access	Math teacher access (factor)	0.070	0.744	24
	fy2access	Math teacher access (factor)	0.115	0.591	24
	yperiods	T/Periods/week	0.259	0.222	24
	yminutes	S/Minutes/periods	-0.075	0.727	24
	speriods	School head number of periods	0.249	0.241	24
	sminutes	S/Minutes/periods	0.278	0.189	24
SOU	matotp	SCR:/ teacher math-all total raw score	1.000		169
	zpborrow	R:/ borrow books	0.320	<u>0.000</u>	163
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.322	<u>0.000</u>	169
	zpsit	R:/ sitting place	0.147	0.057	169
	zppwrite	R:/ writing place	0.156	<u>0.042</u>	169
	zphmwkm	R:/ being given mathematics homework	0.372	<u>0.000</u>	169
	zphmwkmc	R:/ being corrected mathematics homework	0.051	0.507	169
	zptextm	R:/ sharing/owning mathematics textbooks	0.284	<u>0.000</u>	169
	yclsize	D:/Mathematics class size	-0.214	<u>0.005</u>	169
	zxyclbks	D:/ the number of classroom books	-0.011	0.891	159
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.418	<u>0.000</u>	161
	zyclres8	D:/ math teacher total class resources [max=8]	0.415	<u>0.000</u>	161
	fy1access	Math teacher access (factor)	0.212	<u>0.006</u>	163
	fy2access	Math teacher access (factor)	0.235	<u>0.003</u>	163
	yperiods	T/Periods/week	0.170	<u>0.030</u>	163
	yminutes	S/Minutes/periods	0.097	0.219	163
	speriods	School head number of periods	-0.187	<u>0.016</u>	167
	sminutes	S/Minutes/periods	-0.084	0.281	167
SWA	matotp	SCR:/ teacher math-all total raw score	1.000		168
	zpborrow	R:/ borrow books	0.164	0.083	113
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.200	<u>0.009</u>	168
	zpsit	R:/ sitting place	-0.005	0.952	168
	zppwrite	R:/ writing place	0.036	0.644	168
	zphmwkm	R:/ being given mathematics homework	0.088	0.256	168
	zphmwkmc	R:/ being corrected mathematics homework	0.138	0.077	165
	zptextm	R:/ sharing/owning mathematics textbooks	0.025	0.744	168
	yclsize	D:/Mathematics class size	0.031	0.690	168
	zxyclbks	D:/ the number of classroom books	0.105	0.185	162
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.142	0.068	166
	zyclres8	D:/ math teacher total class resources [max=8]	0.230	<u>0.003</u>	166
	fy1access	Math teacher access (factor)	0.107	0.170	166
	fy2access	Math teacher access (factor)	0.059	0.448	166
	yperiods	T/Periods/week	0.125	0.108	166



	yminutes	S/Minutes/periods	-0.089	0.254	166
	speriods	School head number of periods	-0.078	0.316	168
	sminutes	S/Minutes/periods	0.039	0.618	168
TAN	matotp	SCR:/ teacher math-all total raw score	1.000		181
	zpborrow	R:/ borrow books	0.020	0.797	172
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.146	0.050	181
	zpsit	R:/ sitting place	0.406	0.000	181
	zpwwrite	R:/ writing place	0.364	0.000	181
	zphmwkm	R:/ being given mathematics homework	0.318	0.000	181
	zphmwkmc	R:/ being corrected mathematics homework	0.122	0.104	179
	zptextm	R:/ sharing/owning mathematics textbooks	-0.062	0.403	181
	yclsiz	D:/Mathematics class size	0.182	0.014	181
	zxyclbks	D:/ the number of classroom books	0.104	0.168	177
	zyclfum	D:/ math teacher total class furniture [max=5]	0.008	0.921	178
	zyclres8	D:/ math teacher total class resources [max=8]	0.039	0.603	178
	fy1access	Math teacher access (factor)	0.034	0.648	178
	fy2access	Math teacher access (factor)	0.161	0.032	178
	yperiods	T/Periods/week	-0.386	0.000	178
	yminutes	S/Minutes/periods	-0.041	0.589	178
	speriods	School head number of periods	-0.418	0.000	181
	sminutes	S/Minutes/periods	0.060	0.424	181
UGA	matotp	SCR:/ teacher math-all total raw score	1.000		163
	zpborrow	R:/ borrow books	-0.071	0.376	156
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.289	0.000	163
	zpsit	R:/ sitting place	0.177	0.024	163
	zpwwrite	R:/ writing place	0.207	0.008	163
	zphmwkm	R:/ being given mathematics homework	0.171	0.029	163
	zphmwkmc	R:/ being corrected mathematics homework	0.265	0.001	163
	zptextm	R:/ sharing/owning mathematics textbooks	-0.144	0.067	163
	yclsiz	D:/Mathematics class size	-0.076	0.336	163
	zxyclbks	D:/ the number of classroom books	-0.063	0.496	118
	zyclfum	D:/ math teacher total class furniture [max=5]	0.025	0.783	122
	zyclres8	D:/ math teacher total class resources [max=8]	-0.025	0.783	122
	fy1access	Math teacher access (factor)	0.023	0.806	122
	fy2access	Math teacher access (factor)	0.117	0.201	122
	yperiods	T/Periods/week	-0.124	0.173	122
	yminutes	S/Minutes/periods	0.061	0.502	122
	speriods	School head number of periods	-0.011	0.891	163
	sminutes	S/Minutes/periods	0.077	0.331	163
ZAM	matotp	SCR:/ teacher math-all total raw score	1.000		173
	zpborrow	R:/ borrow books	0.198	0.014	154
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.121	0.113	173
	zpsit	R:/ sitting place	0.122	0.111	173
	zpwwrite	R:/ writing place	0.196	0.010	173
	zphmwkm	R:/ being given mathematics homework	0.221	0.004	173
	zphmwkmc	R:/ being corrected mathematics homework	0.044	0.570	172
	zptextm	R:/ sharing/owning mathematics textbooks	-0.154	0.044	173
	yclsiz	D:/Mathematics class size	0.248	0.001	173
	zxyclbks	D:/ the number of classroom books	0.133	0.089	166
	zyclfum	D:/ math teacher total class furniture [max=5]	0.151	0.051	167
	zyclres8	D:/ math teacher total class resources [max=8]	0.104	0.181	167
	fy1access	Math teacher access (factor)	0.093	0.226	170
	fy2access	Math teacher access (factor)	-0.021	0.787	170
	yperiods	T/Periods/week	-0.076	0.323	170
	yminutes	S/Minutes/periods	0.008	0.915	170
	speriods	School head number of periods	-0.320	0.000	169
	sminutes	S/Minutes/periods	-0.243	0.001	169
ZAN	matotp	SCR:/ teacher math-all total raw score	1.000		145
	zpborrow	R:/ borrow books	-0.153	0.083	129
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.183	0.028	145
	zpsit	R:/ sitting place	-0.087	0.301	145



zpwrite	R:/ writing place	-0.086	0.302	145
zphmwkm	R:/ being given mathematics homework	0.014	0.865	145
zphmwkmc	R:/ being corrected mathematics homework	0.162	0.053	143
zptextm	R:/ sharing/owning mathematics textbooks	0.056	0.503	145
yclsize	D:/Mathematics class size	0.067	0.426	145
zxyclbks	D:/ the number of classroom books	0.206	0.017	133
zyclfurn	D:/ math teacher total class furniture [max=5]	0.030	0.727	138
zyclres8	D:/ math teacher total class resources [max=8]	0.041	0.630	138
fy1access	Math teacher access (factor)	0.120	0.162	138
fy2access	Math teacher access (factor)	0.155	0.070	138
yperiods	T/Periods/week	-0.060	0.483	138
yminutes	S/Minutes/periods	-0.027	0.755	138
speriods	School head number of periods	-0.122	0.142	145
sminutes	S/Minutes/periods	-0.096	0.249	145

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 71**

**MOZAMBIQUE PRE-EXISTING PUPIL CHARACTERISTICS - READING**

Prov	Variables	Description	Corr	Sig	N
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.330	0.250	14
	zpsex	R:/ pupil sex	0.155	0.597	14
	pstay	P/Place to stay	0.101	0.731	14
	zpbooksh	D:/ the number of books at home	-0.127	0.666	14
	pmeal1	P/Morning meal	0.166	0.570	14
	pmeal2	P/Lunch	0.265	0.360	14
	pmeal3	P/Evening meal	0.375	0.186	14
	zpses	D:/ pupil's SES	0.359	0.208	14
	zprepeat	R:/ grade repetition	0.210	0.472	14
	prepeat6	P/Repeating G6	0.155	0.597	14
GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.065	0.819	15
	zpsex	R:/ pupil sex	-0.344	0.209	15
	pstay	P/Place to stay	-0.371	0.174	15
	zpbooksh	D:/ the number of books at home	-0.190	0.498	15
	pmeal1	P/Morning meal	-0.413	0.126	15
	pmeal2	P/Lunch	0.341	0.214	15
	pmeal3	P/Evening meal	0.518	0.048	15
	zpses	D:/ pupil's SES	0.174	0.536	15
	zprepeat	R:/ grade repetition	0.389	0.152	15
	prepeat6	P/Repeating G6	0.074	0.794	15
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.515	0.059	14
	zpsex	R:/ pupil sex	0.617	0.019	14
	pstay	P/Place to stay	0.173	0.554	14
	zpbooksh	D:/ the number of books at home	0.266	0.358	14
	pmeal1	P/Morning meal	0.466	0.093	14
	pmeal2	P/Lunch	0.427	0.128	14
	pmeal3	P/Evening meal	0.707	0.005	14
	zpses	D:/ pupil's SES	0.662	0.010	14
	zprepeat	R:/ grade repetition	0.127	0.665	14
	prepeat6	P/Repeating G6	0.067	0.820	14
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.232	0.325	20
	zpsex	R:/ pupil sex	-0.180	0.448	20
	pstay	P/Place to stay	-0.235	0.318	20
	zpbooksh	D:/ the number of books at home	-0.290	0.214	20
	pmeal1	P/Morning meal	-0.041	0.863	20
	pmeal2	P/Lunch	0.371	0.107	20
	pmeal3	P/Evening meal	0.205	0.386	20
	zpses	D:/ pupil's SES	0.029	0.903	20
	zprepeat	R:/ grade repetition	0.366	0.112	20
	prepeat6	P/Repeating G6	0.030	0.898	20
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.246	0.378	15
	zpsex	R:/ pupil sex	0.438	0.103	15
	pstay	P/Place to stay	-0.092	0.743	15
	zpbooksh	D:/ the number of books at home	0.014	0.961	15
	pmeal1	P/Morning meal	-0.633	0.011	15
	pmeal2	P/Lunch	0.370	0.175	15
pmeal3	P/Evening meal	0.507	0.054	15	



	zpses	D:/ pupil's SES	-0.050	0.858	15
	zprepeat	R:/ grade repetition	-0.373	0.170	15
	prepeat6	P/Repeating G6	0.042	0.882	15
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.275	0.321	15
	zpsex	R:/ pupil sex	0.206	0.461	15
	pstay	P/Place to stay	-0.507	0.054	15
	zpbooksh	D:/ the number of books at home	-0.142	0.612	15
	pmeal1	P/Morning meal	-0.267	0.337	15
	pmeal2	P/Lunch	0.024	0.932	15
	pmeal3	P/Evening meal	0.417	0.122	15
	zpses	D:/ pupil's SES	0.273	0.325	15
	zprepeat	R:/ grade repetition	0.060	0.831	15
	prepeat6	P/Repeating G6	0.317	0.249	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.308	0.187	20
	zpsex	R:/ pupil sex	-0.170	0.473	20
	pstay	P/Place to stay	0.101	0.672	20
	zpbooksh	D:/ the number of books at home	0.133	0.575	20
	pmeal1	P/Morning meal	-0.269	0.251	20
	pmeal2	P/Lunch	0.007	0.976	20
	pmeal3	P/Evening meal	-0.257	0.273	20
	zpses	D:/ pupil's SES	-0.014	0.952	20
	zprepeat	R:/ grade repetition	-0.376	0.102	20
	prepeat6	P/Repeating G6	-0.407	0.075	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.526	0.044	15
	zpsex	R:/ pupil sex	-0.182	0.517	15
	pstay	P/Place to stay	0.464	0.081	15
	zpbooksh	D:/ the number of books at home	0.032	0.910	15
	pmeal1	P/Morning meal	-0.658	0.008	15
	pmeal2	P/Lunch	-0.398	0.141	15
	pmeal3	P/Evening meal	-0.312	0.257	15
	zpses	D:/ pupil's SES	-0.242	0.384	15
	zprepeat	R:/ grade repetition	-0.268	0.334	15
	prepeat6	P/Repeating G6	-0.207	0.459	15
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.226	0.419	15
	zpsex	R:/ pupil sex	-0.212	0.448	15
	pstay	P/Place to stay	-0.085	0.762	15
	zpbooksh	D:/ the number of books at home	0.065	0.818	15
	pmeal1	P/Morning meal	0.084	0.765	15
	pmeal2	P/Lunch	0.425	0.114	15
	pmeal3	P/Evening meal	0.357	0.192	15
	zpses	D:/ pupil's SES	-0.230	0.410	15
	zprepeat	R:/ grade repetition	-0.348	0.204	15
	prepeat6	P/Repeating G6	-0.282	0.309	15
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.436	0.104	15
	zpsex	R:/ pupil sex	-0.268	0.334	15
	pstay	P/Place to stay	0.029	0.918	15
	zpbooksh	D:/ the number of books at home	0.137	0.627	15
	pmeal1	P/Morning meal	-0.278	0.315	15
	pmeal2	P/Lunch	-0.113	0.687	15
	pmeal3	P/Evening meal	-0.186	0.506	15



	zpses	D:/ pupil's SES	0.274	0.324	15
	zprepeat	R:/ grade repetition	0.317	0.250	15
	prepeat6	P/Repeating G6	0.105	0.710	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.472	0.048	18
	zpsex	R:/ pupil sex	0.432	0.073	18
	pstay	P/Place to stay	-0.106	0.676	18
	zpbooksh	D:/ the number of books at home	0.586	0.011	18
	pmeal1	P/Morning meal	0.446	0.064	18
	pmeal2	P/Lunch	0.084	0.740	18
	pmeal3	P/Evening meal	0.065	0.799	18
	zpses	D:/ pupil's SES	0.729	0.001	18
	zprepeat	R:/ grade repetition	0.234	0.350	18
	prepeat6	P/Repeating G6	0.028	0.912	18

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

## APPENDIX 71

### MOZAMBIQUE PRE-EXISTING PUPIL CHARACTERISTICS - MATHEMATICS

Prov	Variables	Description	Corr	Sig	N
CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.408	0.148	14
	zpsex	R:/ pupil sex	0.211	0.469	14
	pstay	P/Place to stay	0.030	0.920	14
	zpbooksh	D:/ the number of books at home	-0.452	0.105	14
	pmeal1	P/Morning meal	0.012	0.968	14
	pmeal2	P/Lunch	0.216	0.458	14
	pmeal3	P/Evening meal	0.426	0.129	14
	zpses	D:/ pupil's SES	0.226	0.437	14
	zprepeat	R:/ grade repetition	0.020	0.947	14
	prepeat6	P/Repeating G6	0.068	0.817	14
GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.104	0.712	15
	zpsex	R:/ pupil sex	-0.249	0.370	15
	pstay	P/Place to stay	-0.456	0.088	15
	zpbooksh	D:/ the number of books at home	-0.094	0.739	15
	pmeal1	P/Morning meal	-0.119	0.673	15
	pmeal2	P/Lunch	0.303	0.273	15
	pmeal3	P/Evening meal	0.412	0.127	15
	zpses	D:/ pupil's SES	0.224	0.422	15
	zprepeat	R:/ grade repetition	0.601	<u>0.018</u>	15
	prepeat6	P/Repeating G6	0.159	0.571	15
INH	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.580	<u>0.030</u>	14
	zpsex	R:/ pupil sex	0.256	0.376	14
	pstay	P/Place to stay	0.204	0.484	14
	zpbooksh	D:/ the number of books at home	0.032	0.913	14
	pmeal1	P/Morning meal	0.436	0.119	14
	pmeal2	P/Lunch	0.166	0.571	14
	pmeal3	P/Evening meal	0.542	<u>0.045</u>	14
	zpses	D:/ pupil's SES	0.474	0.087	14
	zprepeat	R:/ grade repetition	-0.197	0.501	14
	prepeat6	P/Repeating G6	-0.109	0.710	14
MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20



	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.186	0.433	20
	zpsex	R:/ pupil sex	-0.307	0.188	20
	pstay	P/Place to stay	-0.136	0.568	20
	zpbooksh	D:/ the number of books at home	-0.065	0.787	20
	pmeal1	P/Morning meal	0.033	0.891	20
	pmeal2	P/Lunch	0.283	0.226	20
	pmeal3	P/Evening meal	0.116	0.628	20
	zpses	D:/ pupil's SES	-0.074	0.757	20
	zprepeat	R:/ grade repetition	0.062	0.794	20
	prepeat6	P/Repeating G6	-0.160	0.499	20
MAN	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.206	0.462	15
	zpsex	R:/ pupil sex	0.104	0.712	15
	pstay	P/Place to stay	0.330	0.230	15
	zpbooksh	D:/ the number of books at home	-0.185	0.509	15
	pmeal1	P/Morning meal	-0.647	<u>0.009</u>	15
	pmeal2	P/Lunch	0.111	0.694	15
	pmeal3	P/Evening meal	0.399	0.141	15
	zpses	D:/ pupil's SES	-0.403	0.136	15
	zprepeat	R:/ grade repetition	-0.314	0.255	15
	prepeat6	P/Repeating G6	-0.094	0.738	15
MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.336	0.220	15
	zpsex	R:/ pupil sex	0.216	0.440	15
	pstay	P/Place to stay	-0.416	0.123	15
	zpbooksh	D:/ the number of books at home	0.068	0.809	15
	pmeal1	P/Morning meal	-0.176	0.529	15
	pmeal2	P/Lunch	-0.040	0.888	15
	pmeal3	P/Evening meal	0.430	0.109	15
	zpses	D:/ pupil's SES	-0.153	0.586	15
	zprepeat	R:/ grade repetition	-0.028	0.921	15
	prepeat6	P/Repeating G6	0.238	0.394	15
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.109	0.649	20
	zpsex	R:/ pupil sex	-0.402	0.079	20
	pstay	P/Place to stay	-0.134	0.575	20
	zpbooksh	D:/ the number of books at home	0.024	0.919	20
	pmeal1	P/Morning meal	0.052	0.828	20
	pmeal2	P/Lunch	0.067	0.778	20
	pmeal3	P/Evening meal	0.065	0.787	20
	zpses	D:/ pupil's SES	0.144	0.545	20
	zprepeat	R:/ grade repetition	0.168	0.478	20
	prepeat6	P/Repeating G6	-0.097	0.685	20
NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.816	<u>0.000</u>	15
	zpsex	R:/ pupil sex	-0.088	0.756	15
	pstay	P/Place to stay	0.369	0.176	15
	zpbooksh	D:/ the number of books at home	-0.206	0.461	15
	pmeal1	P/Morning meal	-0.389	0.151	15
	pmeal2	P/Lunch	0.141	0.616	15
	pmeal3	P/Evening meal	0.108	0.701	15
	zpses	D:/ pupil's SES	-0.348	0.204	15
	zprepeat	R:/ grade repetition	-0.139	0.621	15
	prepeat6	P/Repeating G6	0.137	0.627	15



SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15	
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.427	0.113	15	
	zpsex	R:/ pupil sex	-0.394	0.146	15	
	pstay	P/Place to stay	-0.062	0.826	15	
	zpboksh	D:/ the number of books at home	-0.225	0.420	15	
	pmeal1	P/Morning meal	-0.202	0.470	15	
	pmeal2	P/Lunch	0.385	0.157	15	
	pmeal3	P/Evening meal	0.406	0.133	15	
	zpses	D:/ pupil's SES	-0.442	0.099	15	
	zprepeat	R:/ grade repetition	-0.518	<u>0.048</u>	15	
	prepeat6	P/Repeating G6	-0.306	0.267	15	
	TET	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zpageomon	D:/ pupil's age in months rounded to the nearest month	0.124	0.659	15
zpsex		R:/ pupil sex	-0.752	<u>0.001</u>	15	
pstay		P/Place to stay	0.423	0.116	15	
zpboksh		D:/ the number of books at home	-0.379	0.163	15	
pmeal1		P/Morning meal	-0.250	0.368	15	
pmeal2		P/Lunch	-0.154	0.582	15	
pmeal3		P/Evening meal	-0.034	0.906	15	
zpses		D:/ pupil's SES	-0.399	0.141	15	
zprepeat		R:/ grade repetition	-0.361	0.186	15	
prepeat6		P/Repeating G6	-0.179	0.522	15	
ZAM		matotp	SCR:/ teacher math-all total raw score	1.000		18
		zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.217	0.387	18
	zpsex	R:/ pupil sex	0.138	0.584	18	
	pstay	P/Place to stay	-0.084	0.740	18	
	zpboksh	D:/ the number of books at home	0.383	0.116	18	
	pmeal1	P/Morning meal	0.241	0.336	18	
	pmeal2	P/Lunch	0.064	0.801	18	
	pmeal3	P/Evening meal	0.169	0.501	18	
	zpses	D:/ pupil's SES	0.434	0.072	18	
	zprepeat	R:/ grade repetition	0.184	0.464	18	
	prepeat6	P/Repeating G6	0.209	0.404	18	

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).





APPENDIX 72

MOZAMBIQUE PARENT AND COMMUNITY SCHOOL INVOLVEMENT - READING

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	-0.116	0.692	14
	phmwkhlp	P/Homework-help	-0.316	0.271	14
	zpread	R:/ being asked to read	-0.172	0.556	14
	zpquestr	R:/ being asked questions about any subject	-0.189	0.518	14
	zplookwk	R:/ being looked at the school work	-0.107	0.716	14
	ztsignen	R:/ reading teacher asking parents to sign	0.109	0.710	14
	fx1zscomm	Community involvimen!	0.003	0.991	14
	fx2zscomm	Community involvimen!	-0.368	0.195	14
	sprobcom	S/Community problems	-0.280	0.332	14
GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	-0.151	0.591	15
	phmwkhlp	P/Homework-help	-0.144	0.608	15
	zpread	R:/ being asked to read	0.315	0.253	15
	zpquestr	R:/ being asked questions about any subject	0.675	0.006	15
	zplookwk	R:/ being looked at the school work	0.153	0.586	15
	ztsignen	R:/ reading teacher asking parents to sign	0.612	0.020	14
	fx1zscomm	Community involvimen!	0.137	0.626	15
	fx2zscomm	Community involvimen!	-0.276	0.319	15
	sprobcom	S/Community problems	0.023	0.936	15
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	0.332	0.246	14
	phmwkhlp	P/Homework-help	0.224	0.440	14
	zpread	R:/ being asked to read	-0.023	0.938	14
	zpquestr	R:/ being asked questions about any subject	0.253	0.382	14
	zplookwk	R:/ being looked at the school work	0.037	0.901	14
	ztsignen	R:/ reading teacher asking parents to sign	-0.019	0.948	14
	fx1zscomm	Community involvimen!	-0.245	0.419	13
	fx2zscomm	Community involvimen!	-0.209	0.493	13
	sprobcom	S/Community problems	0.039	0.901	13
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	0.481	0.032	20
	phmwkhlp	P/Homework-help	0.087	0.716	20
	zpread	R:/ being asked to read	0.241	0.306	20
	zpquestr	R:/ being asked questions about any subject	-0.030	0.900	20
	zplookwk	R:/ being looked at the school work	-0.020	0.932	20
	ztsignen	R:/ reading teacher asking parents to sign	-0.177	0.455	20
	fx1zscomm	Community involvimen!	0.068	0.788	18
	fx2zscomm	Community involvimen!	0.328	0.184	18
	sprobcom	S/Community problems	-0.375	0.125	18
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.272	0.326	15
	phmwkhlp	P/Homework-help	0.096	0.733	15
	zpread	R:/ being asked to read	-0.065	0.817	15
	zpquestr	R:/ being asked questions about any subject	0.458	0.086	15
	zplookwk	R:/ being looked at the school work	0.078	0.783	15
	ztsignen	R:/ reading teacher asking parents to sign	0.208	0.475	14
	fx1zscomm	Community involvimen!	0.073	0.831	11
	fx2zscomm	Community involvimen!	-0.341	0.304	11
	sprobcom	S/Community problems	.(a)	.	11
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.017	0.952	15
	phmwkhlp	P/Homework-help	0.174	0.535	15



	zpread	R:/ being asked to read	0.162	0.563	15
	zpquestr	R:/ being asked questions about any subject	-0.166	0.554	15
	zplookwk	R:/ being looked at the school work	-0.110	0.695	15
	ztsignen	R:/ reading teacher asking parents to sign	0.503	0.056	15
	fx1zscomm	Community involvimen!	0.162	0.564	15
	fx2zscomm	Community involvimen!	0.023	0.935	15
	sprobcom	S/Community problems	0.333	0.225	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	-0.070	0.768	20
	phmwkhlp	P/Homework-help	-0.007	0.978	20
	zpread	R:/ being asked to read	0.037	0.875	20
	zpquestr	R:/ being asked questions about any subject	-0.073	0.761	20
	zplookwk	R:/ being looked at the school work	-0.181	0.446	20
	ztsignen	R:/ reading teacher asking parents to sign	0.125	0.601	20
	fx1zscomm	Community involvimen!	-0.247	0.293	20
	fx2zscomm	Community involvimen!	-0.124	0.603	20
	sprobcom	S/Community problems	0.349	0.132	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	-0.166	0.555	15
	phmwkhlp	P/Homework-help	-0.441	0.100	15
	zpread	R:/ being asked to read	0.077	0.785	15
	zpquestr	R:/ being asked questions about any subject	-0.237	0.394	15
	zplookwk	R:/ being looked at the school work	-0.332	0.227	15
	ztsignen	R:/ reading teacher asking parents to sign	-0.431	0.109	15
	fx1zscomm	Community involvimen!	0.536	0.048	14
	fx2zscomm	Community involvimen!	-0.412	0.143	14
	sprobcom	S/Community problems	-0.212	0.467	14
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.293	0.289	15
	phmwkhlp	P/Homework-help	0.099	0.727	15
	zpread	R:/ being asked to read	-0.054	0.850	15
	zpquestr	R:/ being asked questions about any subject	-0.161	0.566	15
	zplookwk	R:/ being looked at the school work	0.218	0.434	15
	ztsignen	R:/ reading teacher asking parents to sign	-0.146	0.618	14
	fx1zscomm	Community involvimen!	-0.230	0.409	15
	fx2zscomm	Community involvimen!	-0.042	0.883	15
	sprobcom	S/Community problems	0.477	0.072	15
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.243	0.383	15
	phmwkhlp	P/Homework-help	-0.107	0.705	15
	zpread	R:/ being asked to read	-0.111	0.693	15
	zpquestr	R:/ being asked questions about any subject	-0.404	0.136	15
	zplookwk	R:/ being looked at the school work	-0.289	0.297	15
	ztsignen	R:/ reading teacher asking parents to sign	-0.417	0.122	15
	fx1zscomm	Community involvimen!	-0.491	0.063	15
	fx2zscomm	Community involvimen!	0.437	0.103	15
	sprobcom	S/Community problems	-0.240	0.388	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	zphmwkdn	R:/ homework-make sure	0.360	0.142	18
		P/Homework-help	0.217	0.388	18
	zpread	R:/ being asked to read	-0.076	0.764	18
	zpquestr	R:/ being asked questions about any subject	0.159	0.530	18
	zplookwk	R:/ being looked at the school work	0.439	0.068	18
	ztsignen	R:/ reading teacher asking parents to sign	0.260	0.297	18
	fx1zscomm	Community involvimen!	0.116	0.646	18
	fx2zscomm	Community involvimen!	-0.318	0.199	18
	sprobcom	S/Community problems	-0.077	0.761	18



- \*\* Correlation is significant at the 0.01 level (2-tailed)
- \* Correlation is significant at the 0.05 level (2-tailed)
- a Cannot be computed because at least one of the variables is constant

**APPENDIX 72**

**MOZAMBIQUE PARENT AND COMMUNITY SCHOOL INVOLVEMENT - MATHEMATICS**

Prov	Variables	Description	Pearson Corr	Sig. (2- tailed)	N
CAB	matotp	Pupil math-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	-0.137	0.641	14
	phmwkhlp	P/Homework-help	-0.427	0.128	14
	zpcalc	R:/ being asked to calculate	-0.376	0.185	14
	zpquestm	R:/ being asked questions about mathematics	-0.556	<u>0.039</u>	14
	zplookwk	R:/ being looked at the school work	-0.240	0.409	14
	ztsigma	R:/ math teacher asking parents to sign	-0.110	0.709	14
	fy1zscomm	Community involvimen!	-0.078	0.790	14
	fy2zscomm	Community involvimen!	0.472	0.088	14
	sprobcom	Community Problems	-0.001	0.997	14
GAZ	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.125	0.656	15
	phmwkhlp	P/Homework-help	-0.017	0.951	15
	zpcalc	R:/ being asked to calculate	-0.062	0.825	15
	zpquestm	R:/ being asked questions about mathematics	0.356	0.193	15
	zplookwk	R:/ being looked at the school work	0.106	0.707	15
	ztsigma	R:/ math teacher asking parents to sign	0.320	0.265	14
	fy1zscomm	Community involvimen!	-0.050	0.859	15
	fy2zscomm	Community involvimen!	-0.059	0.833	15
	sprobcom	Community Problems	-0.118	0.675	15
INH	matotp	Pupil math-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	0.282	0.329	14
	phmwkhlp	P/Homework-help	0.200	0.493	14
	zpcalc	R:/ being asked to calculate	0.265	0.359	14
	zpquestm	R:/ being asked questions about mathematics	0.216	0.457	14
	zplookwk	R:/ being looked at the school work	-0.259	0.372	14
	ztsigma	R:/ math teacher asking parents to sign	0.273	0.367	13
	fy1zscomm	Community involvimen!	-0.333	0.267	13
	fy2zscomm	Community involvimen!	0.079	0.798	13
	sprobcom	Community Problems	-0.255	0.401	13
MAC	matotp	Pupil math-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	0.402	0.079	20
	phmwkhlp	P/Homework-help	-0.099	0.678	20
	zpcalc	R:/ being asked to calculate	0.041	0.863	20
	zpquestm	R:/ being asked questions about mathematics	0.133	0.575	20
	zplookwk	R:/ being looked at the school work	0.229	0.331	20
	ztsigma	R:/ math teacher asking parents to sign	0.052	0.826	20
	fy1zscomm	Community involvimen!	-0.062	0.808	18
	fy2zscomm	Community involvimen!	0.042	0.868	18
	sprobcom	Community Problems	-0.508	<u>0.031</u>	18
MAN	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.366	0.180	15
	phmwkhlp	P/Homework-help	0.121	0.667	15
	zpcalc	R:/ being asked to calculate	0.104	0.711	15
	zpquestm	R:/ being asked questions about mathematics	0.171	0.543	15
	zplookwk	R:/ being looked at the school work	0.138	0.625	15
	ztsigma	R:/ math teacher asking parents to sign	-0.430	0.125	14
	fy1zscomm	Community involvimen!	-0.150	0.659	11
	fy2zscomm	Community involvimen!	0.200	0.556	11



	sprobcom	Community Problems	.(a)	.	11
MAP	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.161	0.567	15
	phmwkhlp	P/Homework-help	0.105	0.710	15
	zpcalc	R:/ being asked to calculate	0.658	0.008	15
	zpquestm	R:/ being asked questions about mathematics	0.068	0.810	15
	zplookwk	R:/ being looked at the school work	0.249	0.372	15
	ztsigma	R:/ math teacher asking parents to sign	0.559	0.030	15
	fy1zscomm	Community involvimen!	0.070	0.803	15
	fy2zscomm	Community involvimen!	0.074	0.793	15
	sprobcom	Community Problems	0.064	0.822	15
NAM	matotp	Pupil math-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	-0.396	0.084	20
	phmwkhlp	P/Homework-help	-0.189	0.425	20
	zpcalc	R:/ being asked to calculate	0.031	0.897	20
	zpquestm	R:/ being asked questions about mathematics	-0.091	0.703	20
	zplookwk	R:/ being looked at the school work	-0.132	0.579	20
	ztsigma	R:/ math teacher asking parents to sign	-0.242	0.304	20
	fy1zscomm	Community involvimen!	-0.370	0.108	20
	fy2zscomm	Community involvimen!	-0.057	0.811	20
	sprobcom	Community Problems	0.032	0.895	20
NIA	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	-0.395	0.145	15
	phmwkhlp	P/Homework-help	0.179	0.522	15
	zpcalc	R:/ being asked to calculate	-0.413	0.126	15
	zpquestm	R:/ being asked questions about mathematics	-0.397	0.143	15
	zplookwk	R:/ being looked at the school work	-0.614	0.015	15
	ztsigma	R:/ math teacher asking parents to sign	0.081	0.783	14
	fy1zscomm	Community involvimen!	-0.247	0.394	14
	fy2zscomm	Community involvimen!	0.346	0.226	14
	sprobcom	Community Problems	-0.071	0.811	14
SOF	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.207	0.459	15
	phmwkhlp	P/Homework-help	-0.033	0.908	15
	zpcalc	R:/ being asked to calculate	-0.495	0.061	15
	zpquestm	R:/ being asked questions about mathematics	-0.379	0.164	15
	zplookwk	R:/ being looked at the school work	0.183	0.514	15
	ztsigma	R:/ math teacher asking parents to sign	-0.335	0.242	14
	fy1zscomm	Community involvimen!	-0.115	0.684	15
	fy2zscomm	Community involvimen!	-0.154	0.585	15
	sprobcom	Community Problems	0.403	0.136	15
TET	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.448	0.094	15
	phmwkhlp	P/Homework-help	-0.063	0.823	15
	zpcalc	R:/ being asked to calculate	0.010	0.973	15
	zpquestm	R:/ being asked questions about mathematics	0.218	0.435	15
	zplookwk	R:/ being looked at the school work	-0.085	0.763	15
	ztsigma	R:/ math teacher asking parents to sign	0.057	0.841	15
	fy1zscomm	Community involvimen!	-0.318	0.248	15
	fy2zscomm	Community involvimen!	-0.168	0.550	15
	sprobcom	Community Problems	0.133	0.637	15
ZAM	matotp	Pupil math-all total raw score	1.000		18
	zphmwkdn	R:/ homework-make sure	0.576	0.012	18
	phmwkhlp	P/Homework-help	0.344	0.163	18
	zpcalc	R:/ being asked to calculate	-0.090	0.722	18
	zpquestm	R:/ being asked questions about mathematics	-0.203	0.419	18
	zplookwk	R:/ being looked at the school work	0.325	0.188	18



	ztsigma	R:/ math teacher asking parents to sign	0.148	0.558	18
	fy1zscomm	Community involvimen	0.023	0.928	18
	fy2zscomm	Community involvimen	0.319	0.198	18
	sprobcom	Community Problems	0.021	0.935	18

\* Correlation is significant at the 0.01 level (2-tailed)

\*\* Correlation is significant at the 0.05 level (2-tailed)

a Cannot be computed because at least one of the variables is constant



**APPENDIX 73**  
**SACMEQ PRE-EXISTING PUPIL CHARACTERISTICS - READING**

Countries	Variables	Description	Pearson Corr	Sig. (2- tailed)	N	
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170	
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.436	<u>0.000</u>	170	
	zpses	D:/ pupil's SES	0.685	<u>0.000</u>	170	
	zpsex	R:/ pupil sex	0.017	0.827	170	
	pstay	P/Place to stay	-0.317	<u>0.000</u>	170	
	zpbooksh	D:/ the number of books at hom	0.671	<u>0.000</u>	170	
	pmeal1	P/Morning meal	0.106	0.169	170	
	pmeal2	P/Lunch	0.255	<u>0.001</u>	170	
	pmeal3	P/Evening meal	0.252	<u>0.001</u>	170	
	prepeat6	P/Repeating G6	-0.138	0.073	170	
	zprepeat	R:/ grade repetition	-0.241	<u>0.002</u>	170	
	KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000		185
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.578	<u>0.000</u>	185
		zpses	D:/ pupil's SES	0.691	<u>0.000</u>	185
zpsex		R:/ pupil sex	0.101	0.172	185	
pstay		P/Place to stay	0.018	0.808	185	
zpbooksh		D:/ the number of books at hom	0.317	<u>0.000</u>	185	
pmeal1		P/Morning meal	0.211	<u>0.004</u>	185	
pmeal2		P/Lunch	0.241	<u>0.001</u>	185	
pmeal3		P/Evening meal	0.242	<u>0.001</u>	185	
prepeat6		P/Repeating G6	-0.379	<u>0.000</u>	185	
zprepeat		R:/ grade repetition	-0.190	<u>0.009</u>	185	
LES		ratotp	SCR:/ pupil reading-all total raw score	1.000		177
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.291	<u>0.000</u>	177
		zpses	D:/ pupil's SES	0.366	<u>0.000</u>	177
	zpsex	R:/ pupil sex	-0.053	0.484	177	
	pstay	P/Place to stay	0.063	0.402	177	
	zpbooksh	D:/ the number of books at hom	0.168	<u>0.025</u>	177	
	pmeal1	P/Morning meal	-0.068	0.369	177	
	pmeal2	P/Lunch	0.035	0.646	177	
	pmeal3	P/Evening meal	-0.049	0.513	177	
	prepeat6	P/Repeating G6	-0.123	0.104	177	
	zprepeat	R:/ grade repetition	-0.279	<u>0.000</u>	177	
	MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000		140
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.206	<u>0.015</u>	140
		zpses	D:/ pupil's SES	0.428	<u>0.000</u>	140
zpsex		R:/ pupil sex	-0.058	0.495	140	
pstay		P/Place to stay	0.029	0.733	140	
zpbooksh		D:/ the number of books at hom	0.286	<u>0.001</u>	140	
pmeal1		P/Morning meal	0.148	0.081	140	
pmeal2		P/Lunch	-0.004	0.958	140	
pmeal3		P/Evening meal	0.003	0.975	140	
prepeat6		P/Repeating G6	-0.111	0.191	140	
zprepeat		R:/ grade repetition	-0.217	<u>0.010</u>	140	
MAU		ratotp	SCR:/ pupil reading-all total raw score	1.000		153
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.494	<u>0.000</u>	153
		zpses	D:/ pupil's SES	0.558	<u>0.000</u>	153



	zpsex	R:/ pupil sex	0.154	0.057	153
	pstay	P/Place to stay	-0.137	0.091	153
	zpbooksh	D:/ the number of books at home	0.444	0.000	153
	pmeal1	P/Morning meal	0.218	0.007	153
	pmeal2	P/Lunch	0.070	0.388	153
	pmeal3	P/Evening meal	0.089	0.276	153
	prepeat6	P/Repeating G6	-0.521	0.000	153
	zprepeat	R:/ grade repetition	-0.539	0.000	153
MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		176
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.270	0.000	176
	zpses	D:/ pupil's SES	0.368	0.000	176
	zpsex	R:/ pupil sex	0.200	0.008	176
	pstay	P/Place to stay	-0.247	0.001	176
	zpbooksh	D:/ the number of books at home	0.051	0.504	176
	pmeal1	P/Morning meal	-0.065	0.388	176
	pmeal2	P/Lunch	-0.031	0.681	176
	pmeal3	P/Evening meal	0.129	0.089	176
	prepeat6	P/Repeating G6	0.099	0.192	176
	zprepeat	R:/ grade repetition	0.259	0.001	176
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.504	0.000	270
	zpses	D:/ pupil's SES	0.798	0.000	270
	zpsex	R:/ pupil sex	-0.057	0.347	270
	pstay	P/Place to stay	-0.049	0.422	270
	zpbooksh	D:/ the number of books at home	0.394	0.000	270
	pmeal1	P/Morning meal	0.222	0.000	270
	pmeal2	P/Lunch	0.269	0.000	270
	pmeal3	P/Evening meal	0.150	0.014	270
	prepeat6	P/Repeating G6	-0.322	0.000	270
	zprepeat	R:/ grade repetition	-0.523	0.000	270
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.183	0.392	24
	zpses	D:/ pupil's SES	0.701	0.000	24
	zpsex	R:/ pupil sex	0.148	0.491	24
	pstay	P/Place to stay	-0.052	0.810	24
	zpbooksh	D:/ the number of books at home	0.631	0.001	24
	pmeal1	P/Morning meal	0.277	0.190	24
	pmeal2	P/Lunch	0.278	0.188	24
	pmeal3	P/Evening meal	0.375	0.071	24
	prepeat6	P/Repeating G6	0.063	0.771	24
	zprepeat	R:/ grade repetition	0.032	0.881	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.523	0.000	169
	zpses	D:/ pupil's SES	0.776	0.000	169
	zpsex	R:/ pupil sex	0.217	0.005	169
	pstay	P/Place to stay	-0.347	0.000	169
	zpbooksh	D:/ the number of books at home	0.423	0.000	169
	pmeal1	P/Morning meal	0.215	0.005	169
	pmeal2	P/Lunch	0.312	0.000	169
	pmeal3	P/Evening meal	0.376	0.000	169
	prepeat6	P/Repeating G6	-0.467	0.000	169
	zprepeat	R:/ grade repetition	-0.675	0.000	169



SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168	
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.501	<u>0.000</u>	168	
	zpses	D:/ pupil's SES	0.609	<u>0.000</u>	168	
	zpsex	R:/ pupil sex	-0.022	0.781	168	
	pstay	P/Place to stay	-0.109	0.158	168	
	zpbooksh	D:/ the number of books at hom	0.292	<u>0.000</u>	168	
	pmeal1	P/Morning meal	0.106	0.172	168	
	pmeal2	P/Lunch	0.145	0.061	168	
	pmeal3	P/Evening meal	0.067	0.391	168	
	prepeat6	P/Repeating G6	-0.147	0.057	168	
	zprepeat	R:/ grade repetition	-0.401	<u>0.000</u>	168	
	TAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		181
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.323	<u>0.000</u>	181
		zpses	D:/ pupil's SES	0.629	<u>0.000</u>	181
zpsex		R:/ pupil sex	0.013	0.867	181	
pstay		P/Place to stay	-0.053	0.477	181	
zpbooksh		D:/ the number of books at hom	-0.035	0.636	181	
pmeal1		P/Morning meal	0.295	<u>0.000</u>	181	
pmeal2		P/Lunch	0.343	<u>0.000</u>	181	
pmeal3		P/Evening meal	0.096	0.199	181	
prepeat6		P/Repeating G6	-0.132	0.075	181	
zprepeat		R:/ grade repetition	-0.235	<u>0.001</u>	181	
UGA		ratotp	SCR:/ pupil reading-all total raw score	1.000		163
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.445	<u>0.000</u>	163
		zpses	D:/ pupil's SES	0.567	<u>0.000</u>	163
	zpsex	R:/ pupil sex	0.141	0.073	163	
	pstay	P/Place to stay	-0.067	0.394	163	
	zpbooksh	D:/ the number of books at hom	0.203	<u>0.009</u>	163	
	pmeal1	P/Morning meal	0.351	<u>0.000</u>	163	
	pmeal2	P/Lunch	0.268	<u>0.001</u>	163	
	pmeal3	P/Evening meal	0.344	<u>0.000</u>	163	
	prepeat6	P/Repeating G6	-0.275	<u>0.000</u>	163	
	zprepeat	R:/ grade repetition	-0.196	<u>0.012</u>	163	
	ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		173
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.549	<u>0.000</u>	173
		zpses	D:/ pupil's SES	0.670	<u>0.000</u>	173
zpsex		R:/ pupil sex	0.166	0.029	173	
pstay		P/Place to stay	0.130	0.088	173	
zpbooksh		D:/ the number of books at hom	0.410	<u>0.000</u>	173	
pmeal1		P/Morning meal	0.407	<u>0.000</u>	173	
pmeal2		P/Lunch	0.026	0.736	173	
pmeal3		P/Evening meal	-0.045	0.552	173	
prepeat6		P/Repeating G6	-0.119	0.120	173	
zprepeat		R:/ grade repetition	-0.328	<u>0.000</u>	173	
ZAN		ratotp	SCR:/ pupil reading-all total raw score	1.000		145
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.152	0.068	145
		zpses	D:/ pupil's SES	0.424	<u>0.000</u>	145
	zpsex	R:/ pupil sex	-0.119	0.153	145	
	pstay	P/Place to stay	-0.303	<u>0.000</u>	145	
	zpbooksh	D:/ the number of books at hom	0.208	<u>0.012</u>	145	
	pmeal1	P/Morning meal	0.267	<u>0.001</u>	145	
	pmeal2	P/Lunch	0.137	0.101	145	





	pmeal3	P/Evening meal	0.211	0.011	145
	prepeat6	P/Repeating G6	-0.033	0.695	145
	zprepeat	R:/ grade repetition	-0.128	0.124	145

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

### APPENDIX 73

#### SACMEQ PRE-EXISTING PUPIL CHARACTERISTICS - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	matotp	SCR:/ pupil math-all total raw score	1.000		170
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.357	0.000	170
	zpses	D:/ pupil's SES	0.560	0.000	170
	pstay	P/Place to stay	-0.267	0.000	170
	zpbbooksh	D:/ the number of books at home	0.677	0.000	170
	pmeal1	P/Morning meal	0.071	0.357	170
	pmeal2	P/Lunch	0.218	0.004	170
	pmeal3	P/Evening meal	0.191	0.013	170
	zpsex	R:/ pupil sex	-0.042	0.591	170
	zprepeat	R:/ grade repetition	-0.245	0.001	170
KEN	prepeat6	P/Repeating G6	-0.136	0.077	170
	matotp	SCR:/ pupil math-all total raw score	1.000		185
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.492	0.000	185
	zpses	D:/ pupil's SES	0.564	0.000	185
	pstay	P/Place to stay	0.141	0.056	185
	zpbbooksh	D:/ the number of books at home	0.347	0.000	185
	pmeal1	P/Morning meal	0.176	0.017	185
	pmeal2	P/Lunch	0.207	0.005	185
	pmeal3	P/Evening meal	0.186	0.011	185
	zpsex	R:/ pupil sex	0.012	0.869	185
LES	zprepeat	R:/ grade repetition	-0.139	0.060	185
	prepeat6	P/Repeating G6	-0.311	0.000	185
	matotp	SCR:/ pupil math-all total raw score	1.000		177
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.266	0.000	177
	zpses	D:/ pupil's SES	0.283	0.000	177
	pstay	P/Place to stay	0.093	0.219	177
	zpbbooksh	D:/ the number of books at home	0.128	0.089	177
	pmeal1	P/Morning meal	-0.033	0.659	177
	pmeal2	P/Lunch	0.008	0.915	177
	pmeal3	P/Evening meal	-0.005	0.948	177
MAL	zpsex	R:/ pupil sex	0.004	0.962	177
	zprepeat	R:/ grade repetition	-0.188	0.012	177
	prepeat6	P/Repeating G6	-0.003	0.971	177
	matotp	SCR:/ pupil math-all total raw score	1.000		140
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.019	0.822	140
	zpses	D:/ pupil's SES	0.292	0.000	140
	pstay	P/Place to stay	-0.012	0.889	140
	zpbbooksh	D:/ the number of books at home	0.358	0.000	140
	pmeal1	P/Morning meal	0.049	0.568	140
	pmeal2	P/Lunch	0.046	0.592	140
pmeal3	P/Evening meal	0.043	0.611	140	



	zpsex	R:/ pupil sex	-0.202	0.017	140
	zprepeat	R:/ grade repetition	-0.356	0.000	140
	prepeat6	P/Repeating G6	-0.029	0.737	140
MAU	matotp	SCR:/ pupil math-all total raw score	1.000		153
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.521	0.000	153
	zpses	D:/ pupil's SES	0.590	0.000	153
	pstay	P/Place to stay	-0.165	0.042	153
	zpbooksh	D:/ the number of books at hom	0.461	0.000	153
	pmeal1	P/Morning meal	0.233	0.004	153
	pmeal2	P/Lunch	0.091	0.266	153
	pmeal3	P/Evening meal	0.095	0.243	153
	zpsex	R:/ pupil sex	0.139	0.086	153
	zprepeat	R:/ grade repetition	-0.556	0.000	153
	prepeat6	P/Repeating G6	-0.520	0.000	153
MOZ	matotp	SCR:/ pupil math-all total raw score	1.000		176
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.155	0.040	176
	zpses	D:/ pupil's SES	0.216	0.004	176
	pstay	P/Place to stay	-0.175	0.020	176
	zpbooksh	D:/ the number of books at hom	-0.031	0.680	176
	pmeal1	P/Morning meal	0.026	0.728	176
	pmeal2	P/Lunch	0.050	0.512	176
	pmeal3	P/Evening meal	0.225	0.003	176
	zpsex	R:/ pupil sex	0.095	0.211	176
	zprepeat	R:/ grade repetition	0.179	0.017	176
	prepeat6	P/Repeating G6	0.089	0.238	176
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		270
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.487	0.000	270
	zpses	D:/ pupil's SES	0.747	0.000	270
	pstay	P/Place to stay	-0.042	0.492	270
	zpbooksh	D:/ the number of books at hom	0.393	0.000	270
	pmeal1	P/Morning meal	0.208	0.001	270
	pmeal2	P/Lunch	0.258	0.000	270
	pmeal3	P/Evening meal	0.133	0.029	270
	zpsex	R:/ pupil sex	-0.132	0.030	270
	zprepeat	R:/ grade repetition	-0.530	0.000	270
	prepeat6	P/Repeating G6	-0.312	0.000	270
SEY	matotp	SCR:/ pupil math-all total raw score	1.000		24
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.315	0.134	24
	zpses	D:/ pupil's SES	0.731	0.000	24
	pstay	P/Place to stay	-0.270	0.203	24
	zpbooksh	D:/ the number of books at hom	0.586	0.003	24
	pmeal1	P/Morning meal	0.318	0.130	24
	pmeal2	P/Lunch	0.245	0.249	24
	pmeal3	P/Evening meal	0.229	0.281	24
	zpsex	R:/ pupil sex	0.137	0.524	24
	zprepeat	R:/ grade repetition	-0.083	0.700	24
	prepeat6	P/Repeating G6	-0.169	0.431	24
SOU	matotp	SCR:/ pupil math-all total raw score	1.000		169
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.442	0.000	169
	zpses	D:/ pupil's SES	0.699	0.000	169
	pstay	P/Place to stay	-0.296	0.000	169
	zpbooksh	D:/ the number of books at hom	0.491	0.000	169



	pmeal1	P/Morning meal	0.250	0.001	169
	pmeal2	P/Lunch	0.323	0.000	169
	pmeal3	P/Evening meal	0.375	0.000	169
	zpsex	R:/ pupil sex	0.187	0.015	169
	zprepeat	R:/ grade repetition	-0.646	0.000	169
	prepeat6	P/Repeating G6	-0.384	0.000	169
SWA	matotp	SCR:/ pupil math-all total raw score	1.000		168
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.354	0.000	168
	zpses	D:/ pupil's SES	0.469	0.000	168
	pstay	P/Place to stay	-0.211	0.006	168
	zpbooksh	D:/ the number of books at home	0.370	0.000	168
	pmeal1	P/Morning meal	0.200	0.009	168
	pmeal2	P/Lunch	0.160	0.038	168
	pmeal3	P/Evening meal	0.211	0.006	168
	zpsex	R:/ pupil sex	-0.024	0.759	168
	zprepeat	R:/ grade repetition	-0.335	0.000	168
	prepeat6	P/Repeating G6	-0.161	0.037	168
TAN	matotp	SCR:/ pupil math-all total raw score	1.000		181
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.264	0.000	181
	zpses	D:/ pupil's SES	0.553	0.000	181
	pstay	P/Place to stay	-0.033	0.659	181
	zpbooksh	D:/ the number of books at home	0.006	0.939	181
	pmeal1	P/Morning meal	0.321	0.000	181
	pmeal2	P/Lunch	0.305	0.000	181
	pmeal3	P/Evening meal	0.136	0.067	181
	zpsex	R:/ pupil sex	0.005	0.944	181
	zprepeat	R:/ grade repetition	-0.177	0.017	181
	prepeat6	P/Repeating G6	-0.061	0.416	181
UGA	matotp	SCR:/ pupil math-all total raw score	1.000		163
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.323	0.000	163
	zpses	D:/ pupil's SES	0.409	0.000	163
	pstay	P/Place to stay	-0.139	0.077	163
	zpbooksh	D:/ the number of books at home	0.053	0.501	163
	pmeal1	P/Morning meal	0.329	0.000	163
	pmeal2	P/Lunch	0.229	0.003	163
	pmeal3	P/Evening meal	0.327	0.000	163
	zpsex	R:/ pupil sex	0.082	0.296	163
	zprepeat	R:/ grade repetition	-0.259	0.001	163
	prepeat6	P/Repeating G6	-0.305	0.000	163
ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		173
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.415	0.000	173
	zpses	D:/ pupil's SES	0.501	0.000	173
	pstay	P/Place to stay	0.075	0.329	173
	zpbooksh	D:/ the number of books at home	0.301	0.000	173
	pmeal1	P/Morning meal	0.310	0.000	173
	pmeal2	P/Lunch	0.045	0.557	173
	pmeal3	P/Evening meal	0.060	0.433	173
	zpsex	R:/ pupil sex	0.075	0.329	173
	zprepeat	R:/ grade repetition	-0.282	0.000	173
	prepeat6	P/Repeating G6	-0.148	0.051	173
ZAN	matotp	SCR:/ pupil math-all total raw score	1.000		145
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.039	0.645	145



	zpses	D:/ pupil's SES	0.121	0.147	145
	pstay	P/Place to stay	-0.224	<u>0.007</u>	145
	zpbooksh	D:/ the number of books at home	0.085	0.307	145
	pmeal1	P/Morning meal	0.246	<u>0.003</u>	145
	pmeal2	P/Lunch	0.058	0.488	145
	pmeal3	P/Evening meal	0.179	<u>0.031</u>	145
	zpsex	R:/ pupil sex	-0.231	<u>0.005</u>	145
	zrepeat	R:/ grade repetition	-0.096	0.250	145
	prepeat6	P/Repeating G6	-0.087	0.295	145

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)



**APPENDIX 74**

**SACMEQ PARENT AND COMMUNITY SCHOOL INVOLVEMENT - READING**

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170
	zphmwkdn	R:/ homework-make sure	0.409	<u>0.000</u>	170
	phmwkhlp	P/Homework-help	0.361	<u>0.000</u>	170
	zpread	R:/ being asked to read	-0.026	0.734	170
	zpquestr	R:/ being asked questions about any subject	0.141	0.067	170
	zpllookwk	R:/ being looked at the school work	0.348	<u>0.000</u>	170
	ztsignen	R:/ reading teacher asking parents to sign	0.340	<u>0.000</u>	170
	fx1zscomm	Community involvement	0.283	<u>0.000</u>	170
	fx2zscomm	Community involvement	-0.132	0.085	170
	sprobcom	S/Community problems	-0.218	<u>0.004</u>	170
KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000		185
	zphmwkdn	R:/ homework-make sure	0.426	<u>0.000</u>	185
	phmwkhlp	P/Homework-help	0.312	<u>0.000</u>	185
	zpread	R:/ being asked to read	0.016	0.826	185
	zpquestr	R:/ being asked questions about any subject	0.141	0.056	185
	zpllookwk	R:/ being looked at the school work	0.377	<u>0.000</u>	185
	ztsignen	R:/ reading teacher asking parents to sign	0.261	<u>0.000</u>	175
	fx1zscomm	Community involvement	-0.235	<u>0.001</u>	184
	sprobcom	S/Community problems	-0.196	<u>0.008</u>	184
	LES	ratotp	SCR:/ pupil reading-all total raw score	1.000	
zphmwkdn		R:/ homework-make sure	0.102	0.177	177
phmwkhlp		P/Homework-help	0.148	<u>0.049</u>	177
zpread		R:/ being asked to read	0.051	0.497	177
zpquestr		R:/ being asked questions about any subject	0.144	0.056	177
zpllookwk		R:/ being looked at the school work	0.214	<u>0.004</u>	177
ztsignen		R:/ reading teacher asking parents to sign	0.016	0.832	177
fx1zscomm		Community involvement	0.141	0.060	177
fx2zscomm		Community involvement	-0.103	0.174	177
sprobcom		S/Community problems	-0.040	0.601	177
MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000		140
	zphmwkdn	R:/ homework-make sure	0.046	0.595	135
	phmwkhlp	P/Homework-help	0.085	0.318	140
	zpread	R:/ being asked to read	-0.015	0.860	140
	zpquestr	R:/ being asked questions about any subject	-0.091	0.283	140
	zpllookwk	R:/ being looked at the school work	-0.011	0.901	140
	ztsignen	R:/ reading teacher asking parents to sign	0.003	0.972	139
	fx1zscomm	Community involvement	0.236	<u>0.005</u>	140
	fx2zscomm	Community involvement	-0.300	<u>0.000</u>	140
	fx3zscomm	Community involvement	0.254	<u>0.003</u>	140
sprobcom	S/Community problems	0.122	0.152	140	
MAU	ratotp	SCR:/ pupil reading-all total raw score	1.000		153
	zphmwkdn	R:/ homework-make sure	0.007	0.934	153
	phmwkhlp	P/Homework-help	0.094	0.246	153
	zpread	R:/ being asked to read	0.035	0.671	153
	zpquestr	R:/ being asked questions about any subject	0.078	0.340	153



	zpllookwk	R:/ being looked at the school worl	0.184	<u>0.023</u>	153
	ztsignen	R:/ reading teacher asking parents to sigr	0.110	0.176	153
	fx1zscomm	Community involvimen	0.151	0.062	153
	fx2zscomm	Community involvimen	-0.203	<u>0.012</u>	153
	sprobcom	S/Community problems	-0.309	<u>0.000</u>	153
MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		176
	zphmwkdn	R:/ homework-make sure	0.044	0.565	176
	phmwkhlp	P/Homework-help	-0.044	0.558	176
	zpread	R:/ being asked to read	-0.186	<u>0.014</u>	176
	zpquestr	R:/ being asked questions about any subjec	-0.264	<u>0.000</u>	176
	zpllookwk	R:/ being looked at the school worl	-0.076	0.313	176
	ztsignen	R:/ reading teacher asking parents to sigr	-0.008	0.916	173
	fx1zscomm	Community involvimen	-0.127	0.102	168
	fx2zscomm	Community involvimen	0.127	0.100	168
	sprobcom	S/Community problems	-0.144	0.062	168
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	zphmwkdn	R:/ homework-make sure	0.293	<u>0.000</u>	270
	phmwkhlp	P/Homework-help	0.072	0.238	270
	zpread	R:/ being asked to read	-0.239	<u>0.000</u>	270
	zpquestr	R:/ being asked questions about any subjec	-0.262	<u>0.000</u>	270
	zpllookwk	R:/ being looked at the school worl	0.072	0.236	270
	ztsignen	R:/ reading teacher asking parents to sigr	0.082	0.178	269
	fx1zscomm	Community involvimen	0.507	<u>0.000</u>	270
	fx2zscomm	Community involvimen	-0.210	<u>0.001</u>	270
	fx3zscomm	Community involvimen	0.192	<u>0.002</u>	270
	sprobcom	S/Community problems	-0.028	0.645	270
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	zphmwkdn	R:/ homework-make sure	0.172	0.421	24
	phmwkhlp	P/Homework-help	0.075	0.727	24
	zpread	R:/ being asked to read	-0.275	0.194	24
	zpquestr	R:/ being asked questions about any subjec	0.064	0.766	24
	zpllookwk	R:/ being looked at the school worl	0.084	0.696	24
	ztsignen	R:/ reading teacher asking parents to sigr	-0.270	0.202	24
	fx1zscomm	Community involvimen	0.247	0.244	24
	fx2zscomm	Community involvimen	-0.145	0.500	24
	fx3zscomm	Community involvimen	-0.170	0.427	24
	sprobcom	S/Community problems	-0.410	<u>0.047</u>	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	zphmwkdn	R:/ homework-make sure	0.329	<u>0.000</u>	169
	phmwkhlp	P/Homework-help	0.152	<u>0.048</u>	169
	zpread	R:/ being asked to read	-0.254	<u>0.001</u>	169
	zpquestr	R:/ being asked questions about any subjec	-0.198	<u>0.010</u>	169
	zpllookwk	R:/ being looked at the school worl	0.239	<u>0.002</u>	169
	ztsignen	R:/ reading teacher asking parents to sigr	0.215	<u>0.006</u>	164
	fx1zscomm	Community involvimen	0.281	<u>0.000</u>	167
	fx2zscomm	Community involvimen	0.462	<u>0.000</u>	167
	fx3zscomm	Community involvimen	0.281	<u>0.000</u>	167
	sprobcom	S/Community problems	-0.201	<u>0.009</u>	167
SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168
	zphmwkdn	R:/ homework-make sure	0.267	<u>0.000</u>	168



	phmwkhlꝑ	P/Homework-helꝑ	0.264	<u>0.001</u>	168
	zpread	R:/ being asked to read	-0.053	0.495	168
	zpqustr	R:/ being asked questions about any subjeꝑ	0.087	0.260	168
	zplookwk	R:/ being looked at the school worl	0.159	<u>0.040</u>	168
	ztsignen	R:/ reading teacher asking parents to sigr	0.275	<u>0.000</u>	164
	fx1zscomm	Community involvimen	0.088	0.259	168
	fx2zscomm	Community involvimen	-0.138	0.074	168
	sprobcom	S/Community problems	-0.121	0.117	168
TAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		181
	zphmwkdn	R:/ homework-make sure	0.082	0.271	181
	phmwkhlꝑ	P/Homework-helꝑ	0.292	<u>0.000</u>	181
	zpread	R:/ being asked to read	0.145	0.052	181
	zpqustr	R:/ being asked questions about any subjeꝑ	0.328	<u>0.000</u>	181
	zplookwk	R:/ being looked at the school worl	0.347	<u>0.000</u>	181
	ztsignen	R:/ reading teacher asking parents to sigr	0.134	0.074	179
	fx1zscomm	Community involvimen	0.258	<u>0.000</u>	181
	fx2zscomm	Community involvimen	-0.092	0.217	181
	sprobcom	S/Community problems	0.066	0.376	181
UGA	ratotp	SCR:/ pupil reading-all total raw score	1.000		163
	zphmwkdn	R:/ homework-make sure	0.117	0.136	163
	phmwkhlꝑ	P/Homework-helꝑ	0.118	0.135	163
	zpread	R:/ being asked to read	-0.022	0.781	163
	zpqustr	R:/ being asked questions about any subjeꝑ	0.052	0.513	163
	zplookwk	R:/ being looked at the school worl	0.175	<u>0.025</u>	163
	ztsignen	R:/ reading teacher asking parents to sigr	0.015	0.850	159
	fx1zscomm	Community involvimen	0.244	<u>0.002</u>	163
	fx2zscomm	Community involvimen	0.174	<u>0.027</u>	163
	fx3zscomm	Community involvimen	0.143	0.069	163
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		173
	zphmwkdn	R:/ homework-make sure	0.314	<u>0.000</u>	173
	phmwkhlꝑ	P/Homework-helꝑ	0.308	<u>0.000</u>	173
	zpread	R:/ being asked to read	0.166	<u>0.029</u>	173
	zpqustr	R:/ being asked questions about any subjeꝑ	0.374	<u>0.000</u>	173
	zplookwk	R:/ being looked at the school worl	0.380	<u>0.000</u>	173
	ztsignen	R:/ reading teacher asking parents to sigr	0.273	<u>0.000</u>	169
	fx1zscomm	Community involvimen	0.355	<u>0.000</u>	169
	fx2zscomm	Community involvimen	-0.153	<u>0.047</u>	169
	fx3zscomm	Community involvimen	0.299	<u>0.000</u>	169
	sprobcom	S/Community problems	-0.200	<u>0.009</u>	169
ZAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		145
	zphmwkdn	R:/ homework-make sure	0.102	0.220	145
	phmwkhlꝑ	P/Homework-helꝑ	0.106	0.203	145
	zpread	R:/ being asked to read	-0.069	0.407	145
	zpqustr	R:/ being asked questions about any subjeꝑ	0.031	0.708	145
	zplookwk	R:/ being looked at the school worl	-0.003	0.969	145
	ztsignen	R:/ reading teacher asking parents to sigr	0.097	0.255	140
	fx1zscomm	Community involvimen	0.076	0.362	145
	fx2zscomm	Community involvimen	0.126	0.132	145
	sprobcom	S/Community problems	-0.231	<u>0.005</u>	145

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

## APPENDIX 74

### SACMEQ PARENT AND COMMUNITY SCHOOL INVOLVEMENT - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig. (2- tailed)	N
BOT	ratotp	SCR:/ pupil math-all total raw score	1.000		170
	zphmwkdn	R:/ homework-make sure	0.394	<u>0.000</u>	170
	phmwkhlp	R:/ homework-help	0.242	<u>0.001</u>	170
	zpcalc	R:/ being asked to calculate	0.194	<u>0.011</u>	170
	zpquestm	R:/ being asked questions about mathematic	0.106	0.171	170
	zplookwk	R:/ being looked at the school worl	0.338	<u>0.000</u>	170
	ztsignen	R:/ reading teacher asking parents to sigr	-0.109	0.158	169
	fy1zscomm	Community involvimen	0.325	<u>0.000</u>	170
	fy2zscomm	Community involvimen	-0.184	<u>0.016</u>	170
	sprobcom	S/Community problems	-0.282	<u>0.000</u>	170
KEN	ratotp	SCR:/ pupil math-all total raw score	1.000		185
	zphmwkdn	R:/ homework-make sure	0.408	<u>0.000</u>	185
	phmwkhlp	R:/ homework-help	0.267	<u>0.000</u>	185
	zpcalc	R:/ being asked to calculate	0.236	<u>0.001</u>	185
	zpquestm	R:/ being asked questions about mathematic	0.135	0.067	185
	zplookwk	R:/ being looked at the school worl	0.332	<u>0.000</u>	185
	ztsignen	R:/ reading teacher asking parents to sigr	-0.071	0.335	185
	fy1zscomm	Community involvimen	-0.168	<u>0.022</u>	184
	fy2zscomm	Community involvimen	0.053	0.479	184
	sprobcom	S/Community problems	-0.259	<u>0.000</u>	184
LES	ratotp	SCR:/ pupil math-all total raw score	1.000		177
	zphmwkdn	R:/ homework-make sure	0.045	0.549	177
	phmwkhlp	R:/ homework-help	0.007	0.922	177
	zpcalc	R:/ being asked to calculate	0.070	0.357	177
	zpquestm	R:/ being asked questions about mathematic	0.096	0.204	177
	zplookwk	R:/ being looked at the school worl	0.128	0.089	177
	ztsignen	R:/ reading teacher asking parents to sigr	-0.051	0.506	175
	fy1zscomm	Community involvimen	0.066	0.383	177
	fy2zscomm	Community involvimen	-0.091	0.229	177
	sprobcom	S/Community problems	-0.018	0.815	177
MAL	ratotp	SCR:/ pupil math-all total raw score	1.000		140
	zphmwkdn	R:/ homework-make sure	0.134	0.121	135
	phmwkhlp	R:/ homework-help	0.167	<u>0.049</u>	140
	zpcalc	R:/ being asked to calculate	-0.094	0.269	140
	zpquestm	R:/ being asked questions about mathematic	-0.073	0.389	140
	zplookwk	R:/ being looked at the school worl	-0.101	0.234	140
	ztsignen	R:/ reading teacher asking parents to sigr	0.149	0.084	135
	fy1zscomm	Community involvimen	0.261	<u>0.002</u>	140
	fy2zscomm	Community involvimen	-0.219	<u>0.009</u>	140
	fy3zscomm	Community involvimen	0.118	0.167	140
sprobcom	S/Community problems	0.065	0.444	140	
MAU	ratotp	SCR:/ pupil math-all total raw score	1.000		153
	zphmwkdn	R:/ homework-make sure	0.001	0.989	153





	phmwkhlq	R:/ homework-help	0.102	0.209	153
	zpcalc	R:/ being asked to calculate	0.182	<u>0.025</u>	153
	zpquestm	R:/ being asked questions about mathematic:	0.084	0.304	153
	zplookwk	R:/ being looked at the school worl	0.166	<u>0.040</u>	153
	ztsignen	R:/ reading teacher asking parents to sigr	0.027	0.741	153
	fy1zscomm	Community involvimen	0.172	<u>0.034</u>	153
	fy2zscomm	Community involvimen	-0.231	<u>0.004</u>	153
	sprobcom	S/Community problems	-0.333	<u>0.000</u>	153
MOZ	ratotp	SCR:/ pupil math-all total raw score	1.000		176
	zphmwkdn	R:/ homework-make sure	0.093	0.221	176
	phmwkhlq	R:/ homework-help	0.014	0.849	176
	zpcalc	R:/ being asked to calculate	-0.158	<u>0.036</u>	176
	zpquestm	R:/ being asked questions about mathematic:	-0.185	<u>0.014</u>	176
	zplookwk	R:/ being looked at the school worl	-0.088	0.244	176
	ztsignen	R:/ reading teacher asking parents to sigr	-0.039	0.613	172
	fy1zscomm	Community involvimen	-0.180	<u>0.019</u>	168
	fy2zscomm	Community involvimen	0.111	0.153	168
	sprobcom	S/Community problems	-0.148	0.056	168
NAM	ratotp	SCR:/ pupil math-all total raw score	1.000		270
	zphmwkdn	R:/ homework-make sure	0.284	<u>0.000</u>	270
	phmwkhlq	R:/ homework-help	0.026	0.665	270
	zpcalc	R:/ being asked to calculate	-0.009	0.883	270
	zpquestm	R:/ being asked questions about mathematic:	-0.124	<u>0.041</u>	270
	zplookwk	R:/ being looked at the school worl	0.027	0.665	270
	ztsignen	R:/ reading teacher asking parents to sigr	0.053	0.412	243
	fy1zscomm	Community involvimen	0.478	<u>0.000</u>	270
	fy2zscomm	Community involvimen	-0.180	<u>0.003</u>	270
	fy3zscomm	Community involvimen	0.234	<u>0.000</u>	270
	sprobcom	S/Community problems	-0.036	0.557	270
SEY	ratotp	SCR:/ pupil math-all total raw score	1.000		24
	zphmwkdn	R:/ homework-make sure	0.252	0.235	24
	phmwkhlq	R:/ homework-help	0.059	0.784	24
	zpcalc	R:/ being asked to calculate	0.102	0.635	24
	zpquestm	R:/ being asked questions about mathematic:	0.256	0.227	24
	zplookwk	R:/ being looked at the school worl	0.109	0.612	24
	ztsignen	R:/ reading teacher asking parents to sigr	-0.204	0.352	23
	fy1zscomm	Community involvimen	0.113	0.600	24
	fy2zscomm	Community involvimen	-0.144	0.501	24
	sprobcom	S/Community problems	-0.439	<u>0.032</u>	24
SOU	ratotp	SCR:/ pupil math-all total raw score	1.000		169
	zphmwkdn	R:/ homework-make sure	0.279	<u>0.000</u>	169
	phmwkhlq	R:/ homework-help	0.043	0.575	169
	zpcalc	R:/ being asked to calculate	-0.046	0.549	169
	zpquestm	R:/ being asked questions about mathematic:	-0.048	0.532	169
	zplookwk	R:/ being looked at the school worl	0.129	0.094	169
	ztsignen	R:/ reading teacher asking parents to sigr	-0.064	0.418	163
	fy1zscomm	Community involvimen	0.276	<u>0.000</u>	167
	fy2zscomm	Community involvimen	0.495	<u>0.000</u>	167
	fy3zscomm	Community involvimen	0.292	<u>0.000</u>	167
	sprobcom	S/Community problems	-0.244	<u>0.002</u>	167



SWA	ratotp	SCR:/ pupil math-all total raw score	1.000		168
	zphmwkdn	R:/ homework-make sur	0.232	<del>0.002</del>	168
	phmwkhlj	R:/ homework-helj	0.124	0.108	168
	zpcalc	R:/ being asked to calculate	-0.016	0.837	168
	zpquestm	R:/ being asked questions about mathematic	-0.040	0.609	168
	zplookwk	R:/ being looked at the school worl	0.099	0.203	168
	ztsignen	R:/ reading teacher asking parents to sigr	0.072	0.358	167
	fy1zscomm	Community involvimen	0.070	0.368	168
	fy2zscomm	Community involvimen	0.028	0.720	168
	sprobcom	S/Community problems	-0.102	0.190	168
TAN	ratotp	SCR:/ pupil math-all total raw score	1.000		181
	zphmwkdn	R:/ homework-make sur	0.170	<del>0.022</del>	181
	phmwkhlj	R:/ homework-helj	0.353	<del>0.000</del>	181
	zpcalc	R:/ being asked to calculate	0.386	<del>0.000</del>	181
	zpquestm	R:/ being asked questions about mathematic	0.405	<del>0.000</del>	181
	zplookwk	R:/ being looked at the school worl	0.396	<del>0.000</del>	181
	ztsignen	R:/ reading teacher asking parents to sigr	0.030	0.691	175
	fy1zscomm	Community involvimen	0.163	<del>0.029</del>	181
	fy2zscomm	Community involvimen	0.100	0.180	181
	sprobcom	S/Community problems	0.130	0.081	181
UGA	ratotp	SCR:/ pupil math-all total raw score	1.000		163
	zphmwkdn	R:/ homework-make sur	0.023	0.766	163
	phmwkhlj	R:/ homework-helj	0.056	0.482	163
	zpcalc	R:/ being asked to calculate	-0.117	0.137	163
	zpquestm	R:/ being asked questions about mathematic	-0.161	<del>0.040</del>	163
	zplookwk	R:/ being looked at the school worl	0.027	0.732	163
	ztsignen	R:/ reading teacher asking parents to sigr	-0.090	0.255	163
	fy1zscomm	Community involvimen	0.154	<del>0.050</del>	163
	fy2zscomm	Community involvimen	0.140	0.074	163
	sprobcom	S/Community problems	-0.158	<del>0.044</del>	163
ZAM	ratotp	SCR:/ pupil math-all total raw score	1.000		173
	zphmwkdn	R:/ homework-make sur	0.306	<del>0.000</del>	173
	phmwkhlj	R:/ homework-helj	0.242	<del>0.001</del>	173
	zpcalc	R:/ being asked to calculate	0.218	<del>0.004</del>	173
	zpquestm	R:/ being asked questions about mathematic	0.297	<del>0.000</del>	173
	zplookwk	R:/ being looked at the school worl	0.285	<del>0.000</del>	173
	ztsignen	R:/ reading teacher asking parents to sigr	0.069	0.384	162
	fy1zscomm	Community involvimen	0.160	<del>0.038</del>	169
	fy2zscomm	Community involvimen	0.260	<del>0.001</del>	169
	fy3zscomm	Community involvimen	0.131	0.090	169
	sprobcom	S/Community problems	-0.146	0.058	169
ZAN	ratotp	SCR:/ pupil math-all total raw score	1.000		145
	zphmwkdn	R:/ homework-make sur	0.070	0.405	145
	phmwkhlj	R:/ homework-helj	0.039	0.644	145
	zpcalc	R:/ being asked to calculate	0.007	0.936	145
	zpquestm	R:/ being asked questions about mathematic	0.014	0.865	145
	zplookwk	R:/ being looked at the school worl	-0.070	0.399	145
	ztsignen	R:/ reading teacher asking parents to sigr	0.091	0.297	133
	fy1zscomm	Community involvimen	-0.134	0.108	145
	fy2zscomm	Community involvimen	-0.177	<del>0.034</del>	145



	sprobcom	S/Community problems	-0.099	0.234	145
**	Correlation is significant at the 0.01 level (2-tailed)				
*	Correlation is significant at the 0.05 level (2-tailed)				

**APPENDIX 75**

**MAIN PREDICTORS OF PUPIL PERFORMANCE IN SACMEQ COUNTRIES (Stepwise)**

Var		Domain /Construct	SAC		BOT		KEN		LES		MAL		MAU		MOZ		NAM		SEY		SOU		SWA		TAN		UGA		ZAM		ZAN	
			R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M
zxsat01	A	R/M T satisf-distance																														
zxsat03	A	R/M T satisf-school building quality														X					X									X		
zxsat04	A	R/M T satisfteacher house availability									X									X												
zxsat05	A	R/M T satisfteacher house quality																														
zxsat07	A	R/M T satisfclassroom furniture quality						X																								
zxsat08	A	R/M T satisf-level of salary																														
zxsat10	A	R/M T satisf-pupil learn																														
zxsat12	A	R/M T satisfschool management quality												X	X																	
zxsat13	A	R/M T satisfstaff relationship																														
zxsat14	A	R/M T satisfcommunity relationship																														
zxsat15	A	R/M T satisfpromotion opportunity																														
zxsat16	A	R/M T satisfurther study																														
fx1tract	B	Factor 1 R/M Teacher activities				X												X										X				
fx1trappr	B	Factor 1 R/M Teacher approach	X						X																							
fx1zsacthd	B	Factor 1 School head activities														X																
pabsent	B	P/Days Absent	X		X								X							X				X		X			X			
sexpall	B	S/Sh Altogether																														
sexptch	B	S/Years Teaching																														
sexpthis	B	S/Sh This School	X	X																												
slost	B	S/Lost Days																														
tractmos	B	T/Most Important Math Activity																														
trgoalmo	B	T/Most Important Math Goal																														
xexper	B	T/Years Of Teaching																							X							
xmeeusua	B	T/Pup's Parents Meet/Year	X										X																			
xoutwork	B	T/Hours Outside												X																		
zpabwhy2	B	R:/ reason absent-ill																														
zpabwhy3	B	R:/ reason absent-family																														
zpabwhy4	B	R:/ reason absent-work	X	X			X								X	X																
zpabwhy6	B	R:/ reason absent-fee not paid																					X									
zpenglis	B	Speaking English at home																														
ztrepeng	B	R/M T reporting comments on English	X	X		X	X	X					X	X		X					X						X					
zttestre	B	R/M T frequency giving written reading test														X																
zxmeet	B	R/M T frequency meeting parents											X	X																		
fx1trgoal	C	Factor 1 R/M goals																											X			
fx2trgoal	C	Factor 2 trgoal																														
matotp	C	Pupil math-all total raw score																														

Main predictors of pupil performance in SACMEQ			SAC	BOT	KEN	LES	MAL	MAU	MOZ	NAM	SEY	SOU	SWA	TAN	UGA	ZAM	ZAN	
		Domain /Construct	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M



pstay	PEPC	Place To Stay				X																						
zpageom	PEPC	Pupil's age in months	X	X								X	X	X			X	X	X									
zpboksh	PEPC	The number of books at home	X	X	X	X	X				X						X	X	X									
zprepat	PEPC	Grade repetition	X						X			X	X	X	X	X	X	X					X		X	X		X
zpses	PEPC	Pupil's SES	X	X	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
zpssex	PEPC	R:/ pupil sex								X																		X
fx1zscmm	PSI	Factor 1 zscmm	X	X						X																		
phmwhlp	PSI	Homework help																										
sprobcom	PSI	Community problems																										
zphmwkdn	PSI	Homework-make sure				X																						
zplookwk	PSI	Being looked at the school work						X																				
zquestm	PSI	Asked questions about read/math										X	X				X	X										
zquestr	PSI	Being asked questions about any subject																										
zpread	PSI	Being asked to read/ calculate																								X	X	
ztsignen	PSI	R/M reading teacher asking parents to sign				X																						
zsagelvl	TC	School head age level										X																
zssex	TC	School head sex																										
zxagelvl	TC	R/M teacher age level				X																						
zxcondli	TC	R/M teacher home condition																										
zxhpos13	TC	R/M T total possessions at home [max=13]	X																									
zxlight	TC	R/M teacher source of lighting	X	X						X			X															
zxsex	TC	R/M reading teacher sex																									X	
sqssec	TT	School head qualification-Special T			X																							
sqssecwk	TT	Number of weeks special training								X							X		X									
stch1yr	TT	Teachers (1 Yr)							X								X		X									
stch2yr	TT	Teachers (2 Yr)										X	X				X											
stch3yr	TT	Teachers (3 Yr)		X									X															
stchmore	TT	Teachers more than 3 years								X		X																
stchnott	TT	Teachers (No Tt)	X		X						X	X	X															
stchshor	TT	Teachers (Short)										X	X								X	X						
zsqttr	TT	School head teacher training																										
zxinserv	TT	R/M T inservice training effectiveness	X					X					X															
zxqprof	TT	R/M teacher training										X					X		X									

- What was the socio-economic status of pupils' parents in terms of possessions, housing conditions (lighting, floor, wall, roof), and livestock?

Questionnaire: SI: P8 ; SII: P7, P8, P9, P13, P14, P15

Dummy Table: 3.1(a), 3.1(b), 3.4(a), 3.4(b), 3.4(c), 3.4(d), 3.4(e), 3.5

#### **Behavioural – (Skill, performance, abilities, teacher meeting parents)**

- What percentage of pupils spoke the language of the test at home?

Questionnaire: SI: P4; SII: P4

Dummy Table: 3.2(a), 3.2(b)

- How many days were pupils absent in the previous month, and what were the reasons for these absences?

Questionnaire: SI: P19; SII: P16, P17

Dummy Table: 3.2(a), 3.2(b), 3.2(c)

#### **Affective (Attitude, self concept and motivation)**

- Did family members monitor, assist with, request demonstrations, ask questions about, and/or look at, pupils' homework?

Questionnaire: : SI: P12, P13, P14, P15, P16; SII: P24, P25, P26, P27, P28, P29, P30

Dummy Table: 9.7(a), 9.7(b), 9.7(c)

- Where did pupils live during the school week?

Questionnaire: SI: P5; SII: P5

Dummy Table: 3.3(a), 3.3(b)

#### **Internal Teaching Context (Availability of classroom furniture and equipment)**

**Did Grade 6 pupils have sufficient access to classroom materials (for example, textbooks, readers, and stationery) in order to participate fully in their lessons?**

#### **Specific Research Questions**

- What percentage of students had reading and mathematics textbooks?

Questionnaire: SI: P20; SII: P35, P38

Dummy Table: 6.4

- What percentage of pupils had adequate basic classroom supplies for writing, ruling, erasing, etc.?

Questionnaire: SI: P22; SII: P21

Dummy Table: 6.5(a), 6.5(b)

Dummy Table: 8.3(b)

### **External Teaching Context (School resources tuition)**

**Did Grade 6 pupils have access to library books within their schools, and (if they did have access) was the use of these books being maximized by allowing pupils to take them home to read?**

#### **Specific Research Questions**

- What percentage of pupils had access to (school and classroom) library facilities?  
Questionnaire: SI: T10.9, S31.01; SII: T12.6, S38.01  
Dummy Table: 6.1, 7.3
- Were pupils permitted to take library books home? (This question to be cross-checked from pupil and school head questionnaires.)

**Has the practice of Grade 6 pupils receiving extra lessons in school subjects outside school hours become widespread, and have these been paid lessons?**

#### **Specific Research Questions**

- What percentage of pupils received extra tuition?  
Questionnaire: SI: P17; SII: P31  
Dummy Table: 8.3(a)
- Was payment made for receiving extra tuition?  
Questionnaire: SII: P32  
Dummy Table: 8.3(b)

## **TEACHERS**

### **Cognitive (Content knowledge) Tests (Mathematic and Reading)**

**What were the professional characteristics of Grade 6 teachers (in terms of academic, professional, and in-service training), and did they consider in-service training to be effective in improving their teaching?**



### Specific Research Questions

- How many years of academic education had teachers completed?  
Questionnaire: SI: T4; SII: T4  
Dummy Table: 4.3(a), 4.3(b), 4.3(c)
- How many years of teacher training had teachers completed?  
Questionnaire: SI: T5; SII: T5  
Dummy Table: 4.2(a), 4.2(b)
- How many years of teaching experience had teachers completed?  
Questionnaire: SI: T6; SII: T6  
Dummy Table: 4.2(a), 4.2(b)
- How much in-service training had teachers completed?  
Questionnaire: SI: T7; SII: T7, T8  
Dummy Table: 4.4(a), 4.4(b)
- Did teachers consider that in-service training improved their teaching?  
Questionnaire: SII: T9  
Dummy Table: 9.8

### Teacher Characteristics (sex, age, background, possession social economic status)

**What were the personal characteristics of Grade 6 teachers (for example, age, gender, and socio-economic level), and what was the condition of their housing?**

### Specific Research Questions

- What was the age distribution of teachers?  
Questionnaire: SI: T3; SII: T3  
Dummy Table: 4.1(a), 4.1(b)
- What was the gender distribution of teachers?  
Questionnaire: SI: T2; SII: T2  
Dummy Table: 4.1(a), 4.1(b)
- What was the socio-economic status of teachers in terms of possessions and livestock?  
Questionnaire: SI: T28; SII: T27, T28  
Dummy Table: 4.1(a), 4.1(b), 11.2(a), 11.2(b)
- What was the general condition (repair status and lighting) of teacher housing?  
Questionnaire: SI: T31; SII: T29, T30,  
Dummy Table: 4.5, 11.3(a), 11.3(b)

## What factors had most impact upon teacher job satisfaction?

### Specific Research Questions

- What factors (for example, living conditions, school facilities/equipment, staff relationships, career advancement, salaries, etc.) had most impact upon teachers' job satisfaction?

Questionnaire: SI: T26; SII: T25

Dummy Table: 9.1

- What did teachers rate as the most important factor?

Questionnaire: SI: T27; SII: T26

Dummy Table: 11.11

## Behavioural – (Skill, performance, abilities, teacher meeting parents)

What were Grade 6 teachers' viewpoints on (a) pupil activities within the classroom (for example, reading aloud, pronouncing, etc.); (b) teaching goals (for example, making learning enjoyable, word attack skills, etc.); (c) teaching approaches/strategies (for example, questioning, whole class teaching, etc.); (d) assessment procedures; and (e) meeting and communicating with parents?

### Specific Research Questions

- What did teachers consider to be the most important pupil activities for teaching reading and mathematics?

Questionnaire: SI: T15; SII: T33, T41

Dummy Table: 8.1(a)(i), 8.1(b)(i)

- What did teachers consider to be the most important teaching goals in reading and mathematics?

Questionnaire: SI: T18; SII: T36, T44

Dummy Table: 8.1(a)(ii), 8.1(b)(ii)

- What teaching approaches/strategies were used most frequently by reading and mathematics teachers?

Questionnaire: SI: T19; SII: T37, T45

Dummy Table: 8.1(a)(iii), 8.1(b)(iii)

- How often did teachers give written tests in reading and mathematics?

Questionnaire: SI: T20; SII: T38, T46

Dummy Table: 8.1(a)(iv), 8.1(b)(iv)

- Was there a specific section in pupil school reports for reading and mathematics?  
Questionnaire: SI: T22; SII: T31, T39  
Dummy Table: 11.5
- How often did teachers meet with parents each year?  
Questionnaire: SI: T21; SII: T17  
Dummy Table: 9.3
- What percentage of parents met with teachers each year?  
Questionnaire: SII: T18  
Dummy Table: 11.6
- Did teachers ask parents to sign homework assignments?  
Questionnaire: SI: T16; SII: T34, T42  
Dummy Table: 11.7

#### **Affective (Attitude, self concept and motivation)**

#### **Internal Teaching Context (Availability of classroom furniture and equipment)**

#### **How did Grade 6 teachers allocate their time among responsibilities concerned with teaching, preparing lessons, and marking?**

#### **Specific Research Questions**

- How many periods did teachers teach and how long were these periods?  
Questionnaire: SI: T1, T11, T12; SII: T14, T15  
Dummy Table: 11.4
- How many hours per week did teachers spend in lesson preparation and marking?  
Questionnaire: SI: T13; SII: T16  
Dummy Table: 8.5

#### **What was the availability of classroom furniture (for example, sitting/writing places, teacher table, teacher chair, and bookshelves) and classroom equipment (for example, chalkboard, dictionary, maps, book corner, and teacher guides) in Grade 6 classrooms?**

#### **Specific Research Questions**

- What percentages of pupils were in classrooms with adequate sitting and writing places?  
Questionnaire: SI: P24, P25; SII: P22, P23  
Dummy Table: 6.3

- What percentages of pupils were in classrooms with adequate classroom furniture and equipment (for example, a teacher table, teacher chair, bookshelves, and chalkboard)?  
Questionnaire: SI: T10; SII: T12  
Dummy Table: 6.1, 6.2
- How many books did teachers have in their classroom library or book corner?  
Questionnaire: SI: T8; SII: T10  
Dummy Table: 11.8
- Did teachers have teaching aids (for example, a map, dictionary, geometrical instruments, and teachers' guides)?  
Questionnaire: SII: T13.1, T13.2, T13.3, T13.4, T13.5  
Dummy Table: 11.9(a), 11.9(b)

## **SCHOOL HEADS**

### **Cognitive (Content knowledge) Tests (Mathematic and Reading)**

**What were the professional characteristics of school heads (in terms of academic, professional, experience, and specialized training)?**

#### **Specific Research Questions**

- How many years of academic education had school heads completed?  
Questionnaire: SI: S3; SII: S3  
Dummy Table: 11.12(a), 11.12(b)
- How many years of teacher training had school heads completed?  
Questionnaire: SI: S4; SII: S4  
Dummy Table: 5.2
- How many years of teaching experience had school heads completed?  
Questionnaire: SI: S5; SII: S6  
Dummy Table: 5.2
- How many years of experience had school heads had either as a school head or an acting school head – in the current school and all together?  
Questionnaire: SI: S8, S9; SII: S9, S10  
Dummy Table: 11.13
- Have school heads received specialized training in school management?  
Questionnaire: SII: S5  
Dummy Table: 5.2

**Teacher Characteristics (sex, age, background, possession social economic status)**

**What were the personal characteristics of school heads (for example, age and gender)?**

**Specific Research Questions**

- What was the age distribution of school heads?  
Questionnaire: SI: S2; SII: S2  
Dummy Table: 5.1
- What was the gender distribution of school heads?  
Questionnaire: SI: S1; SII: S1  
Dummy Table: 5.1

**Behavioural – (Skill, performance, abilities, teacher meeting parents)**

- How many school days were lost in the last school year due to non-school events?  
Questionnaire: SI: S26; SII: S33  
Dummy Table: 7.4

**Affective (Attitude, self concept and motivation)**

**Internal Teaching Context (Availability of classroom furniture and equipment)**

**External Teaching Context (School resources and tuition)**

**What were the school heads' viewpoints on general school infrastructure (for example, electrical and other equipment, water, and basic sanitation) and the condition of school buildings?**

**Specific Research Questions**

- What items of equipment (telephone, fax, photocopier) and general facilities (library, staff room, store room) did schools have?  
Questionnaire: SI: S31; SII: S38  
Dummy Table: 7.3
- What kind of water supply did schools have?  
Questionnaire: SI: S31.10; SII: S38.08  
Dummy Table: 7.3

- What was the nature and provision of toilet facilities in schools?  
Questionnaire: SI: S30; SII: S37  
Dummy Table: 7.1
- What was the general condition of school buildings?  
Questionnaire: SI: S29; SII: S36  
Dummy Table: 7.1

**What were the school heads' viewpoints on (a) daily activities (for example, teaching, school-community relations, and monitoring pupil progress); (b) organizational policies (for example school magazine, open days, and formal debates); (c) inspections; (d) community input; and (e) problems with pupils and staff (for example, pupil lateness, teacher absenteeism, and lost days of school)?**

### **Specific Research Questions**

- What amount of teaching did school heads undertake?  
Questionnaire: SI: S7; SII: S7, S8  
Dummy Table: 5.3
- What level of importance did school heads attach to activities such as community contacts, monitoring pupil progress, administrative tasks, etc.?  
Questionnaire: SI: S22; SII: S28  
Dummy Table: 9.4
- What was the incidence of school activities such as a school magazine, public speaking day, open day, etc.?
- What was the contribution of the school community (in terms of time and resources for maintaining the school and for providing supplementary funding)?  
Questionnaire: SII: S40  
Dummy Table: 9.10
- What were the main behavioural problems of pupils?  
Questionnaire: SI: S25; SII: S31  
Dummy Table: 9.5(a), 9.5(b)
- What were the main behavioural problems of teachers?  
Questionnaire: SI: S25; SII: S32  
Dummy Table: 9.6(a), 9.6(b)

## APPENDIX 2

### CONTENTS OF THE TEACHERS, SCHOOL HEADS AND PUPILS QUESTIONNAIRES

Question Number	Content	Description
1-3	Teacher Identifications	Identifies teacher's sex, age, teaching subject and class size.
4-9	Professional Characteristics of Teacher	Provides information about teacher qualification in terms how many years of academic education, how many years of teacher training, how many years of teaching experience and how many in service training they had in grade 6 in reading or mathematics.
10-13	Availability of Classroom Furniture and Equipment	Provides information about availability of equipment such a usable writing board, a wall chart of any kind, a map, a classroom library or book corner, an atlas, a language dictionary, mathematical instruments, teacher's guides, a cupboard, one or more bookshelves, a teacher table, and a teacher chair.
14-18	Teachers' Activities	Describes how much time teacher devote to teaching per week, how much time devote to lessons preparation and marking homework per week. How often teacher meet the parents or guardians of the pupils and how often parents or guardian usually meeting with teacher.
25-30	Teachers' Accommodations and Job	Describes the kind of teachers' accommodations related to their pupils' achievement and their perception of job satisfactions.
31-38 39-46	Approaches, goals and perceptions of teachers (Portuguese teachers) (Mathematics teachers)	Provides information about teacher-parents meetings, pupils given tests in reading and mathematics, the number and nature of exercises given as home works to pupils in reading and mathematics.

## Contents of the School Heads Questionnaires

<b>Question Number</b>	<b>Content</b>	<b>Description</b>
1-2	School Heads' Identifications	Identifies school heads' sex and age.
3-10	Professional Characteristics of School Head	Provides information about school heads qualification in terms how many years of academic education, how many years of teacher training, how many years of teaching experience, how many in service training course had the school heads in school management, how many periods/lessons teach in typical school week and how long are these periods, year of experience as school heads in the school and as school head.
11-14	School Location	Identifies type of school (private or government), year of established, distance from school to public services and kind school rural/isolated/small town or town
15-17	Staff	Provides information about teachers (number, permanent, temporary, students, gender, academic education, years of professional training)
18-21	School Enrolment	Provides information about the total enrolment in school and in grade 6 by gender
28-33	School Heads' Activities	Describes the major activities undertaken by school heads, school organized-policies and problems in the school
34-41	School Facilities and Community co-operation	Provides information about availability of essential facilities of furnishing equipment and material, health and sanitation. Community and parental support to school (e.g. building school facilities, maintenance of school, payment of examination)



## Contents of the Pupils Questionnaires

<b>Question Number</b>	<b>Content</b>	<b>Description</b>
1-3	Pupils' Identifications	Identifies pupils' sex, age and class.
4-15	Pupils' Characteristics	Provides information about pupils characteristics including home background.
16-19	Pupils' Characteristics in the School Context	Describes pupils' attitudes towards school, reading and mathematics.
20-23	Availability of Classroom Furniture and Equipment	Provides information about availability of equipment (e.g. desk, a classroom library or book corner, pencil, exercises book, pencil).
24-32	Pupils' Activities and Extra Tuition	Provides information about homework and support that pupils' get in their home regarding homework and interest in their school. Pupils receive extra tuition.
33-38	Some questions about Mathematics and Reading	Describes how much time pupils devote to reading and mathematics per week, how much time is devoted to doing homework per week. How often teacher meets the parents or guardians of the pupils and how often parents or guardian usually meet with teacher.

## APPENDIX 3

### NUMBER OF VARIABLES AND SCORING

Variables name	Pupils Description	Scoring
Ratop	SCR:/ Pupil read-all total raw score	
Matop	SCR:/ Pupil math-all total raw score	
zpagemon (z-score)	D:/ pupil's age in months rounded to the nearest month	
zpssex (z-score)	R:/ pupil sex	0=boy; 1= girl
zpenglis (z-score)	R:/ speaking English at home	0=never; 1=sometimes/ all of the time
Pstay	Pupils' place to stay	1= with my parents; 2=with relatives; 3= in a hostel; 4= by myself
zpboksh (z-score)	D:/ the number of books at home	1= no books; 2=1-10; 3=11-50; 4=51-100; 5=101-200; 6= 201 or more books
Pabsent	P/ days absent	
zpbwhy2 (z-score)	R:/ reason absent-ill	0= no; 1 = yes
zpbwhy3 (z-score)	R:/ reason absent-family	0= no; 1 = yes
zpbwhy4 (z-score)	R:/ reason absent-work	0= no; 1 = yes
zpbwhy6 (z-score)	R:/ reason absent-fee not paid	0= no; 1 = yes
Pexteng	P/ extra tuition-subject	1= do not take; 2= takes
Pextmat	P/ extra tuition-subject	1= do not take; 2= takes
Pextoth	P/ extra tuition-subject	1= do not take; 2= takes
Zpextpay	R:/ paying for extra tuitions	1= payment; 2=no payment; 3= do not know
pmeal1	P/ morning meal	1=not at all; 2= 1or 2 days per week; 3= 3 or 4 days per week; 4= everyday
pmeal2	P/ lunch	1=not at all; 2= 1or 2 days per week; 3= 3 or 4 days per week; 4= everyday
pmeal3	P/ evening meal	1=not at all; 2= 1or 2 days per week; 3= 3 or 4 days per week; 4= everyday
prepeat6	P/ repeating g6	1= no; 2 = yes
zprepeat (z-score)	R:/ grade repetition	0= never; 1 = repeated at least once
zpses	D:/ pupil's SES [parents education; possessions at home; light; wall; roof; floor]	
Zpread	R:/ being asked to read	0= never/ sometimes; 1= most of the times
zpcalc (z-score)	R:/ being asked to calculate	0= never/ sometimes; 1= most of the times
zphmwkdn (z-score)	R:/ homework-make sure	0= never/ sometimes; 1= most of the times
zphmwkr (z-score)	R:/ being given reading homework	0= no HW/ 1-2 per month/1-2 per week; 2= most days
zphmwkrc (z-score)	R:/ being corrected reading homework	1=never corrects; 2= sometimes corrects; 3= most of the times/ always corrects
zphmwkm (z-score)	R:/ being given mathematics homework	0= no HW/ 1-2 per month/1-2 per week; 2= most days
zphmwkmc (z-score)	R:/ being corrected mathematics homework	1=never corrects; 2= sometimes corrects; 3= most of the times/ always corrects

<b>Variables name</b>	<b>Pupils Description</b>	<b>Scoring</b>
zplookwk (z-score)	R:/ being looked at the school work	0= never/ sometimes; 1= most of the times
zpquestr (z-score)	R:/ being asked questions about reading	0= never/ sometimes; 1= most of the times
zpquestm (z-score)	R:/ being asked questions about mathematics	0= never/ sometimes; 1= most of the times
zpborrow (z-score)	R:/ borrow books	0=cannot borrow; 1=can borrow
zpsit (z-score)	R:/ sitting place	0= no place/share; 1= have own sitting place
zppwrite (z-score)	R:/ writing place	0= no place/share; 1= have own writing place
zptextr (z-score)	R:/ sharing/owning reading textbooks	0= not text or share; 2= have my own text
zptextm (z-score)	R:/ sharing/owning mathematics textbooks	0= not text or share; 2= have my own text
fx1zpmat (factor)	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and rule)	0= have at least 1; 1= lack of material

Variables name	Teachers Description	Scoring
fx1mappr/ fy1mappr/ (factor)	R:/ reading teacher reading approach-introducing background, approach-assessing text comprehension, approach-deepening understanding, approach-using own materials, approach-reading aloud, approach-giving positive feedback, frequency giving written reading test R:/ math teacher math approach-using everyday problem, approach-whole class teaching, approach-small group teaching, approach-individual teaching, approach-question and answer teaching, approach-giving positive feedback, approach-relating to everyday life, approach-basic skill training, approach-explaining process, approach-using local materials	0= never/ rarely/ sometimes; 1=often
ztsigneng/ ztsignma/	R:/read/math teacher asking parents to sign	0= no; 1 = yes
fx2tmact (factor)	T/read T/reading activity-listen, silent reading, new vocabulary, sound words, comprehension, home read, material home, read aloud	1= Not important 2= Of some importance 3 = Very important
fy2tmact/ (factor)	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs, recite, quiz	
xperiods/ yperiods	T/teacher periods/week	
zxyclbks/ zxyclbks	D:/ the number of classroom books	
tractmos	T/most important reading activity	1= listen to someone reading aloud, 2= silent reading; 3= learning new vocabulary; 4=pronouncing; 5= reading for comprehension; 6=taking books home to read; 7= reading material in the home; 8= reading aloud in class
tmactmos	T/most important math activity	1= working in groups; 2= working alone, 3= preparing projects; 4= using practical equipment, 5=homework assignments, 6= studying graphs; 7= reciting, 8=quiz
Trgoalmo	T/most important reading goal	1= making reading enjoyable; 2= extending vocabulary; 3= improving word attack skills; 4=improving reading comprehension; 5= developing interest in reading; 6=opening up a career; 7= development of life skills.

Tmgoalmo	T/most important math goal	1= basic numeracy skills; 2=problem solving; 3=thinking skills; 4=confidence in solving; 5=satisfaction; 6=opening up a career; 7=development of life skills
xoutwork/ youtwork	T/read-math teachers hours outside	
xclsize/ yclsize/	D:/reading Class Size D:/mathematics Class Size	
xminutes/ yminutes	T/ minutes/lesson	
zxclfurn/ zyclfurn	D:/ reading/math teacher total class furniture [max=5]	
zxclres 8/ zyclres 8	D:/ reading/math teacher total class resources [max=8]	
ztrepeng /ztrepmat	R:/ reading/math teacher reporting comments on English and on mathematics	0= no; 1 = yes
zttestre /zttestma	R:/ reading/math teacher frequency giving written reading and math test	0= no test/1 year/1-2-3 term; 1= 2or 3/month; 3=1+ per week
zxmeet/zymeet	R:/ reading teacher frequency meeting parents	0= never/ 1 per year; 1= 1per term/1per month
zxcondli/zycondli	R:/ reading/math teacher home condition	0= poor/major repair; 1= minor repair/good
zxhpos13/ zyhpos13	D:/ reading /math teacher total possessions at home [max=13]	
zxlight /zylight (z-score)	R:/ reading/math teacher source of lighting	1= no light; 2=candle/ paraffin/ oil; 3=gas; 4= electric

Variables name	School head Description	Scoring
Zsagelvl	R:/ school head age level	
Zssex	R:/ school head sex	0=male;1=female
sqacadem	S/qualification-academic	1= primary; 2=junior secondary; 3= senior secondary; 4= A-level; 5= tertiary
Sqtt	S/qualification-teacher training	1= no teacher training; 2=less than 1 year; 3= one year;4=two years; 5= three years; 6=three years pus
Sexpall	S/ years of experience altogether	
Sextpch	S/years teaching	
Sexpthis	S/experience in this school	
Slost	S/ lost days	
Bigshift	D:/ the maximum number of pupils among shifts	
sclass	Number of classes	
sclass6	Number of classes g6	
zsbldgco	R:/ school building condition	0= minor repair/good; 1= rebuilding/major repair
zsloc	R:/ school location	0=isolated/ rural; 1= large town
zslocati (z-score)	School location	1=isolated/ rural; 2=small town; 3= large city
zsptrati	D:/ pupils-teacher ratio	
zspupgir	D:/ ratio girls	
zsrto22	D:/ total school resources [max=22]	
zsborrow	R:/ borrowing school library books	0= cannot borrow; 1= can borrow
zssessnu	D:/ the number of shifts	
zstoitot	The number of toilets	
sminutes	S/minutes/periods	
speriods	S/ periods	
sqspec	S/qualification-special training	1= no; 2= yes
sqspecwk	S/ number of weeks special trg	
stchprim	S/teachers (primary only)	
stchseco	S/ teachers (secondary)	
stchtert	S/ teachers (tertiary)	
stch1yr	S/teachers training (1 yr)	
stch2yr	S/teachers training (2 yr)	
stch3yr	S/teachers training (3 yr)	
stchmore	S/teachers training (more)	
stchnott	S/teachers training (no tt)	

Variables name	School head Description	Scoring
stchshor	S/teachers training (short)	
f1zsacthd (factor)	R:/ school head activities importance-contact with local community, monitor pupils' progress, administrative tasks, discussing educational objectives, teachers professional development, school head professional development	0=not important/of some importance; 1 very important
fyprobcom	R:/ school problem-pupil arrive late, absenteeism, skip class, dropout classroom disturbance, cheating, language, vandalism, pupil theft, bullying pupils bullying staff, injure staff, sexually harass pupils, sexually harass teachers, drug abuse alcohol abuse, fights, health problems	0= sometimes/often; 1= never
fyprobcom	R:/ school problem-teacher arrive late, absenteeism, skip class, bully pupils, harass sexually teachers, harass sexually pupils, language, drug abuse, alcohol abuse, health problem	0= sometimes/often; 1= never
fy1zscomm	R:/ school contributed by community-build facility, maintain facility, furniture equipment, textbooks, stationery, other materials, exam fees, teacher salaries, teacher bonus, staff salary, staff bonus, extra curricular, community-teach, school meals	0=no; 1=yes

## APPENDIX 4

### FACTORY ANALYSIS BEHAVIOURAL DOMAIN SACMEQ COUNTRIES - READING

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.713
Bartlett's Test of Sphericity	Approx. Chi-Square	1892.411
	df	36
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	1.871	20.791	20.791	1.871	20.791	20.791	1.656	18.403	18.403
2	1.061	11.785	32.575	1.061	11.785	32.575	1.276	14.173	32.575
3	.954	10.599	43.175						
4	.928	10.315	53.489						
5	.928	10.309	63.799						
6	.896	9.959	73.758						
7	.857	9.519	83.276						
8	.758	8.417	91.693						
9	.748	8.307	100.000						

Extraction Method: Principal Component Analysis.

#### Rotated Component Matrix(a)

	Component	
	1	2
T/reading activity-sound words	.661	-.067
T/reading activity-new voc	.571	.037
T/reading activity-material home	.543	.209
T/reading activity-comprehension	.517	.225
T/reading activity-listen	.466	-.012
T/reading activity-silent reading	.321	.292
T/reading approach-compreh	.025	.676
T/reading approach-feedback	-.003	.659
T/reading approach-bkgd	.107	.445

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 3 iterations.



## APPENDIX 4

### FACTORY ANALYSIS COGNITIVE DOMAIN SACMEQ COUNTRIES - READING

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.710
Bartlett's Test of Sphericity	Approx. Chi-Square	3560.255
	Df	21
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.144	30.633	30.633	2.144	30.633	30.633	1.665	23.789	23.789
2	1.022	14.594	45.227	1.022	14.594	45.227	1.501	21.438	45.227
3	.917	13.105	58.332						
4	.902	12.879	71.211						
5	.771	11.009	82.220						
6	.732	10.459	92.679						
7	.512	7.321	100.000						

Extraction Method: Principal Component Analysis.

#### Rotated Component Matrix(a)

	Component	
	1	2
T/reading goal-life skills	.824	.057
T/reading goal-career	.813	.129
T/reading goal-enjoy	.415	.213
T/reading goal-comprehension	-.045	.720
T/reading goal-word attack	.214	.596
T/reading goal-vocabulary	.127	.556
T/reading goal-interest	.299	.502

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 3 iterations.

## APPENDIX 4

### FACTORY ANALYSIS EXTERNAL TEACHING CONTEXT CONSTRUCT SACMEQ COUNTRIES - READING

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.700
Bartlett's Test of Sphericity	Approx. Chi-Square	16038.155
	df	6
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.928	73.202	73.202	2.928	73.202	73.202
2	.713	17.813	91.014			
3	.254	6.356	97.370			
4	.105	2.630	100.000			

Extraction Method: Principal Component Analysis.

#### Component Matrix(a)

	Component
	1
S/pupil (girls)	.937
S/# of classes	.894
D:/ the maximum number of pupils among shifts	.830
S/# of classes Grade 6	.749

Extraction Method: Principal Component Analysis.

a 1 components extracted.

## APPENDIX 4

### FACTORY ANALYSIS INTERNAL TEACHING CONTEXT CONSTRUCT SACMEQ COUNTRIES - READING

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.770
Bartlett's Test of Sphericity	Approx. Chi-Square	4040.358
	Df	21
	Sig.	.000

#### Total Variance Explained

Extraction Method: Principal Component Analysis.

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.367	33.812	33.812	2.367	33.812	33.812	2.227	31.818	31.818
2	1.008	14.403	48.215	1.008	14.403	48.215	1.148	16.397	48.215
3	.971	13.872	62.087						
4	.822	11.750	73.837						
5	.653	9.327	83.164						
6	.605	8.643	91.807						
7	.574	8.193	100.000						

#### Rotated Component Matrix(a)

	Component	
	1	2
R:/ materials-pencils	.742	.040
R:/ materials-rulers	.712	.052
R:/ materials-erasers	.687	-.041
R:/ materials-pens or ball point pens	.586	.253
R:/ materials-exercise books	.516	.370
R:/ being corrected reading homework	.140	-.794
R:/ materials-notebooks	.260	.557

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 3 iterations.

## APPENDIX 4

### FACTORY ANALYSIS PARENT AND COMMUNITY SCHOOL INVOLVEMENT SACMEQ COUNTRIES - READING

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.842
Bartlett's Test of Sphericity	Approx. Chi-Square	14100.612
	df	66
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.712	30.937	30.937	3.712	30.937	30.937	2.893	24.110	24.110
2	1.297	10.804	41.741	1.297	10.804	41.741	1.682	14.020	38.130
3	1.172	9.769	51.510	1.172	9.769	51.510	1.606	13.380	51.510
4	.916	7.629	59.139						
5	.900	7.503	66.642						
6	.751	6.257	72.899						
7	.678	5.653	78.553						
8	.618	5.151	83.703						
9	.596	4.963	88.666						
10	.514	4.284	92.950						
11	.475	3.962	96.911						
12	.371	3.089	100.000						

Extraction Method: Principal Component Analysis.

#### Rotated Component Matrix(a)

	Component		
	1	2	3
R:/ school contributed by community-textbooks	.737	.092	.281
R:/ school contributed by community-furniture equipment	.729	.224	-.085
R:/ school contributed by community-other materials	.709	-.043	.289
R:/ school contributed by community-stationery	.703	-.048	.374
R:/ school contributed by community-maintain facility	.623	.339	-.271
R:/ school contributed by community-exam fees	.536	.300	.125
R:/ school contributed by community-teacher salaries	.152	.686	.257
R:/ school contributed by community-teacher bonus	.010	.667	.108
R:/ school contributed by community-teach	.137	.552	-.028
R:/ school contributed by community-extra curricular	.228	-.015	.698
R:/ school contributed by community-school meals	-.002	.210	.650
R:/ school contributed by community-staff salary	.227	.389	.467

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 6 iterations.

## APPENDIX 5

### FACTORY ANALYSIS BEHAVIOURAL DOMAIN SACMEQ COUNTRIES - MATHEMATICS

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.755
Bartlett's Test of Sphericity	Approx. Chi-Square	5090.748
	df	105
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.535	16.900	16.900	2.535	16.900	16.900	1.765	11.765	11.765
2	1.261	8.407	25.306	1.261	8.407	25.306	1.660	11.067	22.831
3	1.161	7.739	33.045	1.161	7.739	33.045	1.368	9.118	31.949
4	1.027	6.844	39.889	1.027	6.844	39.889	1.151	7.673	39.622
5	1.020	6.802	46.691	1.020	6.802	46.691	1.060	7.068	46.691
6	.952	6.349	53.039						
7	.932	6.211	59.251						
8	.901	6.009	65.259						
9	.864	5.763	71.022						
10	.817	5.449	76.471						
11	.781	5.204	81.675						
12	.748	4.989	86.663						
13	.701	4.673	91.336						
14	.653	4.355	95.691						
15	.646	4.309	100.000						

Extraction Method: Principal Component Analysis.



**Rotated Component Matrix(a)**

	Component				
	1	2	3	4	5
T/math approach-basic skill	.603	.004	.165	-.025	-.153
T/math approach-local mat	.582	.193	-.168	.098	.184
T/math approach-process	.572	.006	.161	.378	-.087
T/math approach-relate	.553	.201	.110	-.380	-.003
T/math approach-everyday	.524	.083	.249	-.021	.149
T/math activity-graphs	.208	.642	.014	-.002	-.036
T/math activity-equipment	.210	.536	-.201	.036	.040
T/math activity-posters	.024	.515	.278	.066	.269
T/math activity-quizz	-.081	.463	.126	.330	.115
T/math approach-q&a	.114	.016	.659	.258	.018
T/math approach-feedback	.155	-.014	.657	-.023	-.015
T/math approach-individual	.088	.211	.413	-.403	.068
T/math activity-recite	.103	.248	.168	.684	.008
T/math activity-pairs	-.001	.185	.059	-.082	.782
R:/ school activities-special day parents visit	-.080	.505	.100	-.186	-.518

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 16 iterations.

## APPENDIX 5

### FACTORY ANALYSIS COGNITIVE DOMAIN SACMEQ COUNTRIES - MATHEMATICS

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.705
Bartlett's Test of Sphericity	Approx. Chi-Square	2469.701
	df	21
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	1.993	28.477	28.477	1.993	28.477	28.477	1.635	23.355	23.355
2	1.014	14.485	42.962	1.014	14.485	42.962	1.372	19.607	42.962
3	.968	13.835	56.796						
4	.864	12.336	69.133						
5	.792	11.309	80.442						
6	.756	10.796	91.237						
7	.613	8.763	100.000						

Extraction Method: Principal Component Analysis.

#### Rotated Component Matrix(a)

	Component	
	1	2
T/math goal-career	.733	.089
T/math goal-satisfaction	.678	.043
T/math goal-life skills	.582	.272
T/math goal-confidence	.504	.072
T/math goal-problem solve	.004	.757
T/math goal-thinking	.147	.611
T/math goal-numeracy	.155	.580

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 3 iterations.

## APPENDIX 5

### FACTORY ANALYSIS EXTERNAL TEACHING CONTEXT CONSTRUCT SACMEQ COUNTRIES - MATHEMATICS

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.700
Bartlett's Test of Sphericity	Approx. Chi-Square	16038.155
	df	6
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.928	73.202	73.202	2.928	73.202	73.202
2	.713	17.813	91.014			
3	.254	6.356	97.370			
4	.105	2.630	100.000			

Extraction Method: Principal Component Analysis.

#### Component Matrix(a)

	Component
	1
S/pupil (girls)	.937
S/# of classes	.894
D:/ the maximum number of pupils among shifts	.830
S/# of classes Grade 6	.749

Extraction Method: Principal Component Analysis.

a 1 components extracted.



## APPENDIX 5

### FACTORY ANALYSIS INTERNAL TEACHING CONTEXT SACMEQ COUNTRIES - MATHEMATICS

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.833
Bartlett's Test of Sphericity	Approx. Chi-Square	6672.784
	df	28
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.754	34.423	34.423	2.754	34.423	34.423	2.625	32.812	32.812
2	1.005	12.567	46.990	1.005	12.567	46.990	1.134	14.178	46.990
3	.928	11.598	58.588						
4	.853	10.662	69.250						
5	.724	9.051	78.300						
6	.647	8.090	86.390						
7	.573	7.160	93.550						
8	.516	6.450	100.000						

Extraction Method: Principal Component Analysis.

#### Rotated Component Matrix(a)

	Component	
	1	2
P/materials-erasers	.733	.073
P/materials-sharpeners	.722	.075
P/materials-rulers	.704	.110
P/materials-pencils	.652	.176
P/materials-bp pens	.596	.235
P/materials-files	.494	-.068
R:/ materials-notebooks	.067	-.866
P/materials-exercise books	.208	.521

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 3 iterations.

## APPENDIX 5

### FACTORY ANALYSIS PARENT AND COMMUNITY SCHOOL INVOLVEMENT SACMEQ COUNTRIES - MATHEMATICS

#### KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.845
Bartlett's Test of Sphericity	Approx. Chi-Square	13324.654
	df	55
	Sig.	.000

#### Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.631	33.013	33.013	3.631	33.013	33.013	2.677	24.335	24.335
2	1.222	11.111	44.124	1.222	11.111	44.124	1.704	15.493	39.827
3	1.123	10.206	54.330	1.123	10.206	54.330	1.595	14.503	54.330
4	.903	8.211	62.541						
5	.764	6.946	69.487						
6	.747	6.791	76.278						
7	.636	5.780	82.058						
8	.612	5.562	87.620						
9	.514	4.673	92.293						
10	.477	4.337	96.630						
11	.371	3.370	100.000						

Extraction Method: Principal Component Analysis.

#### Rotated Component Matrix(a)

	Component		
	2	3	
R:/ school contributed by community-stationery	.796	.003	.224
R:/ school contributed by community-other materials	.780	.036	.146
R:/ school contributed by community-textbooks	.751	.201	.190
R:/ school contributed by community-furniture equipment	.604	.465	-.095
R:/ school contributed by community-exam fees	.437	.436	.159
R:/ school contributed by community-maintain facility	.390	.660	-.194
R:/ school contributed by community-teach	-.049	.614	.160
R:/ school contributed by community-teacher salaries	.070	.550	.433
R:/ school contributed by community-school meals	.029	.098	.706
R:/ school contributed by community-extra curricular	.349	-.109	.630
R:/ school contributed by community-staff salary	.186	.348	.555

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a Rotation converged in 8 iterations.

## APPENDIX 6

### PERCENTAGES AND SAMPLING ERRORS FOR MOZAMBICAN TEACHER HOUSING IN ACCEPTABLE CONDITIONS

Province	Teacher housing in acceptable conditions			
	Reading teacher		Mathematics teacher	
	%	SE	%	SE
<b>Cabo Delgado</b>	16.3	8.85	13.1	9.11
<b>Gaza</b>	49.7	11.79	19.4	9.82
<b>Inhambane</b>	22.4	8.95	28.8	14.41
<b>Maputo Cidade</b>	22.6	6.76	23.4	7.07
<b>Manica</b>	31.7	10.19	33.3	10.91
<b>Maputo Provincia</b>	14.2	7.97	17.9	6.55
<b>Nampula</b>	11.5	6.04	15.3	7.26
<b>Niassa</b>	22.4	7.37	20.7	9.90
<b>Sofala</b>	41.5	8.62	48.1	8.55
<b>Tete</b>	14.2	6.80	6.4	2.22
<b>Zambézia</b>	16.8	7.37	28.6	9.52
<b>Mozambique</b>	23.4	2.64	23.5	2.89



## APPENDIX 7

### PERCENTAGES AND SAMPLING ERRORS FOR THE TYPE OF LIGHTING IN MOZAMBICAN READING AND MATHEMATICS TEACHERS' HOMES

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**Teacher Type of lighting - Electric lighting**

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Province	Reading teacher		Mathematics teacher	
	%	SE	%	SE
<b>Cabo Delgado</b>	10.8	7.51	5.9	3.89
<b>Gaza</b>	42.3	12.74	28.0	9.72
<b>Inhambane</b>	19.0	9.94	49.0	14.16
<b>Maputo Cidade</b>	64.0	8.31	59.6	8.04
<b>Manica</b>	42.7	12.57	46.2	12.12
<b>Maputo Provincia</b>	62.0	10.68	50.6	12.52
<b>Nampula</b>	19.5	5.29	14.0	2.44
<b>Niassa</b>	8.8	5.41	12.4	2.21
<b>Sofala</b>	40.8	9.07	33.9	8.05
<b>Tete</b>	41.9	10.14	45.7	9.78
<b>Zambézia</b>	21.1	7.63	17.5	6.92
<b><i>Mozambique</i></b>	<b>38.0</b>	<b>2.89</b>	<b>36.8</b>	<b>2.85</b>

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## APPENDIX 8

### PERCENTAGES AND SAMPLING ERRORS FOR TEACHER HOUSING IN ACCEPTABLE CONDITIONS IN SACMEQ COUNTRIES

Countries	Teacher housing in acceptable conditions			
	Reading teacher		Mathematics teacher	
	%	SE	%	SE
Botswana	47.0	2.95		
Kenya	42.4	4.01	42.1	4.00
Lesotho	42.4	3.96		
Malawi	20.3	3.65	22.5	3.76
Mauritius	93.5	1.48		
Mozambique	23.4	2.64	23.5	2.89
Namibia	51.3	3.08	43.6	2.84
Seychelles	95.0	0.47	99.2	0.18
South Africa	71.0	3.56	70.2	3.67
Swaziland	43.4	4.27	46.7	4.35
Tanzania	20.6	3.30	16.1	3.12
Uganda	20.5	3.51	10.4	2.85
Zambia	25.2	3.02		
Zanzibar	36.1	0.54	30.0	0.64
<b>SACMEQ</b>	<b>45.1</b>		<b>40.4</b>	

## APPENDIX 9

### PERCENTAGES FOR THE TYPE OF LIGHTING IN READING AND MATHEMATICS TEACHERS' HOMES IN SACMEQ COUNTRIES

Countries	Teacher Type of lighting - Electric lighting			
	Reading teacher		Mathematics teacher	
	%	SE	%	SE
<b>Botswana</b>	53.6	3.16		
<b>Kenya</b>	19.6	3.10	17.1	2.65
<b>Lesotho</b>	14.9	2.56		
<b>Malawi</b>	18.0	3.62	13.6	3.08
<b>Mauritius</b>	100.0	0.00		
<b>Mozambique</b>	38.0	2.89	36.8	2.85
<b>Namibia</b>	49.4	2.79	43.8	2.54
<b>Seychelles</b>	100.0	0.00	100.0	0.00
<b>South Africa</b>	91.9	1.81	88.1	2.69
<b>Swaziland</b>	45.4	4.35	47.8	4.35
<b>Tanzania</b>	22.7	3.25	22.5	3.30
<b>Uganda</b>	16.8	3.25	6.2	2.12
<b>Zambia</b>	49.3	4.36		
<b>Zanzibar</b>	38.7	0.63	41.5	0.63
<b>SACMEQ</b>	<b>47</b>		<b>41.7</b>	

**APPENDIX 10**

**PERCENTAGES FOR PROFESSIONAL TRAINING AND ACADEMIC LEVEL  
OF READING TEACHERS IN EACH SACMEQ COUNTRY (T/Qual-Professional \*  
T/Qual-Academic Cross Tabulation)**

T/QUAL-PROFESSIONAL		BOT READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
No teacher training	Count	0	1	18	0	0	19
	% within T/Qual-Prof	.0%	5.3%	94.7%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	.5%	15.0%	.0%	.0%	4.8%
	<b>% of Total</b>	<b>.0%</b>	<b>.3%</b>	<b>4.5%</b>	<b>.0%</b>	<b>.0%</b>	<b>4.8%</b>
Less than one year	Count	0	3	2	0	0	5
	% within T/Qual-Prof	.0%	60.0%	40.0%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	1.6%	1.7%	.0%	.0%	1.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.8%</b>	<b>.5%</b>	<b>.0%</b>	<b>.0%</b>	<b>1.3%</b>
Two years	Count	29	172	75	16	6	298
	% within T/Qual-Prof	9.7%	57.7%	25.2%	5.4%	2.0%	100%
	% within T/Qual-Acad	87.9%	90.5%	62.5%	48.5%	25.0%	74.5%
	<b>% of Total</b>	<b>7.3%</b>	<b>43.0%</b>	<b>18.8%</b>	<b>4.0%</b>	<b>1.5%</b>	<b>74.5%</b>
Three Years	Count	2	8	16	13	3	42
	% within T/Qual-Prof	4.8%	19.0%	38.1%	31.0%	7.1%	100%
	% within T/Qual-Acad	6.1%	4.2%	13.3%	39.4%	12.5%	10.5%
	<b>% of Total</b>	<b>.5%</b>	<b>2.0%</b>	<b>4.0%</b>	<b>3.3%</b>	<b>.8%</b>	<b>10.5%</b>
Three years plus	Count	2	6	9	4	15	36
	% within T/Qual-Prof	5.6%	16.7%	25.0%	11.1%	41.7%	100%
	% within T/Qual-Acad	6.1%	3.2%	7.5%	12.1%	62.5%	9.0%
	<b>% of Total</b>	<b>.5%</b>	<b>1.5%</b>	<b>2.3%</b>	<b>1.0%</b>	<b>3.8%</b>	<b>9.0%</b>
TOTAL	Count	33	190	120	33	24	400
	% within T/Qual-Prof	8.3%	47.5%	30.0%	8.3%	6.0%	100.0%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>8.3%</b>	<b>47.5%</b>	<b>30.0%</b>	<b>8.3%</b>	<b>6.0%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		KEN READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	4	1	0	<b>5</b>
	% within T/Qual-Prof	.0%	.0%	80.0%	20.0%	.0%	<b>100%</b>
	% within T/Qual-Acad	.0%	.0%	1.4%	1.5%	.0%	<b>1.3%</b>
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>1.1%</b>	<b>.3%</b>	<b>.0%</b>	<b>1.3%</b>
<b>Less than one year</b>	Count	0	0	3	0	0	<b>3</b>
	% within T/Qual-Prof	.0%	.0%	100%	.0%	.0%	<b>100%</b>
	% within T/Qual-Acad	.0%	.0%	1.0%	.0%	.0%	<b>.8%</b>
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.8%</b>	<b>.0%</b>	<b>.0%</b>	<b>.8%</b>
<b>One year</b>	Count	0	0	2	0	0	<b>2</b>
	% within T/Qual-Prof	.0%	.0%	100%	.0%	.0%	<b>100%</b>
	% within T/Qual-Acad	.0%	.0%	.7%	.0%	.0%	<b>.5%</b>
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.5%</b>	<b>.0%</b>	<b>.0%</b>	<b>.5%</b>
<b>Two years</b>	Count	3	7	254	60	7	<b>331</b>
	% within T/Qual-Prof	.9%	2.1%	76.7%	18.1%	2.1%	<b>100%</b>
	% within T/Qual-Acad	75.0%	87.5%	88.2%	90.9%	58.3%	<b>87.6%</b>
	<b>% of Total</b>	<b>.8%</b>	<b>1.9%</b>	<b>67.2%</b>	<b>15.9%</b>	<b>1.9%</b>	<b>87.6%</b>
<b>Three years</b>	Count	0	1	22	3	3	<b>29</b>
	% within T/Qual-Prof	.0%	3.4%	75.9%	10.3%	10.3%	<b>100%</b>
	% within T/Qual-Acad	.0%	12.5%	7.6%	4.5%	25.0%	<b>7.7%</b>
	<b>% of Total</b>	<b>.0%</b>	<b>.3%</b>	<b>5.8%</b>	<b>.8%</b>	<b>.8%</b>	<b>7.7%</b>
<b>Three years plus</b>	Count	1	0	3	2	2	<b>8</b>
	% within T/Qual-Prof	12.5%	.0%	37.5%	25.0%	25.0%	<b>100%</b>
	% within T/Qual-Acad	25.0%	.0%	1.0%	3.0%	16.7%	<b>2.1%</b>
	<b>% of TOTAL</b>	<b>.3%</b>	<b>.0%</b>	<b>.8%</b>	<b>.5%</b>	<b>.5%</b>	<b>2.1%</b>
<b>TOTAL</b>	Count	4	8	288	66	12	<b>378</b>
	% within T/Qual-Prof	1.1%	2.1%	76.2%	17.5%	3.2%	<b>100%</b>
	% within T/Qual-Acad	100%	100%	100%	100%	100%	<b>100%</b>
	<b>% of Total</b>	<b>1.1%</b>	<b>2.1%</b>	<b>76.2%</b>	<b>17.5%</b>	<b>3.2%</b>	<b>100%</b>





T/QUAL-PROFESSIONAL		LES READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	17	70	154	38	0	<b>279</b>
	% within T/Qual-Prof	6.1%	25.1%	55.2%	13.6%	.0%	<b>100%</b>
	% within T/Qual-Acad	1.1%	18.5%	34.3%	6.5%	.0%	<b>8.8%</b>
	<b>% of Total</b>	<b>.5%</b>	<b>2.2%</b>	<b>4.9%</b>	<b>1.2%</b>	<b>.0%</b>	<b>8.8%</b>
<b>Less than one year</b>	Count	14	6	35	19	0	<b>74</b>
	% within T/Qual-Prof	18.9%	8.1%	47.3%	25.7%	.0%	<b>100%</b>
	% within T/Qual-Acad	.9%	1.6%	7.8%	3.2%	.0%	<b>2.3%</b>
	<b>% of Total</b>	<b>.4%</b>	<b>.2%</b>	<b>1.1%</b>	<b>.6%</b>	<b>.0%</b>	<b>2.3%</b>
<b>One year</b>	Count	26	18	39	0	56	<b>139</b>
	% within T/Qual-Prof	18.7%	12.9%	28.1%	.0%	40.3%	<b>100%</b>
	% within T/Qual-Acad	1.7%	4.8%	8.7%	.0%	31.3%	<b>4.4%</b>
	<b>% of Total</b>	<b>.8%</b>	<b>.6%</b>	<b>1.2%</b>	<b>.0%</b>	<b>1.8%</b>	<b>4.4%</b>
<b>Two years</b>	Count	159	73	0	6	0	<b>238</b>
	% within T/Qual-Prof	66.8%	30.7%	.0%	2.5%	.0%	<b>100%</b>
	% within T/Qual-Acad	10.2%	19.3%	.0%	1.0%	.0%	<b>7.5%</b>
	<b>% of Total</b>	<b>5.0%</b>	<b>2.3%</b>	<b>.0%</b>	<b>.2%</b>	<b>.0%</b>	<b>7.5%</b>
<b>Three years</b>	Count	980	103	138	228	35	<b>1484</b>
	% within T/Qual-Prof	66.0%	6.9%	9.3%	15.4%	2.4%	<b>100%</b>
	% within T/Qual-Acad	62.7%	27.2%	30.7%	39.0%	19.6%	<b>47.0%</b>
	<b>% of Total</b>	<b>31.1%</b>	<b>3.3%</b>	<b>4.4%</b>	<b>7.2%</b>	<b>1.1%</b>	<b>47.0%</b>
<b>Three years plus</b>	Count	368	108	83	294	88	<b>941</b>
	% within T/Qual-Prof	39.1%	11.5%	8.8%	31.2%	9.4%	<b>100%</b>
	% within T/Qual-Acad	23.5%	28.6%	18.5%	50.3%	49.2%	<b>29.8%</b>
	<b>% of TOTAL</b>	<b>11.7%</b>	<b>3.4%</b>	<b>2.6%</b>	<b>9.3%</b>	<b>2.8%</b>	<b>29.8%</b>
<b>TOTAL</b>	% Of Total	1564	378	449	585	179	<b>3155</b>
	Count	49.6%	12.0%	14.2%	18.5%	5.7%	<b>100%</b>
	% within T/Qual-Prof	100%	100%	100%	100%	100%	<b>100%</b>
	% within T/Qual-Acad	49.6%	12.0%	14.2%	18.5%	5.7%	<b>100%</b>
	<b>% Of Total</b>	<b>49.6%</b>	<b>12.0%</b>	<b>14.2%</b>	<b>18.5%</b>	<b>5.7%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		MAL READ T/QUAL-ACADEMIC			TOTAL
		Primary	Junior secondary	Senior secondary	
<b>No teacher training</b>	Count	0	0	25	25
	% within T/Qual-Prof	.0%	.0%	100%	100%
	% within T/Qual-Acad	.0%	.0%	10.8%	6.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>6.3%</b>	<b>6.3%</b>
<b>Less than one year</b>	Count	0	20	63	83
	% within T/Qual-Prof	.0%	24.1%	75.9%	100%
	% within T/Qual-Acad	.0%	12.3%	27.3%	20.8%
	<b>% of Total</b>	<b>.0%</b>	<b>5.0%</b>	<b>15.8%</b>	<b>20.8%</b>
<b>One year</b>	Count	0	44	45	89
	% within T/Qual-Prof	.0%	49.4%	50.6%	100%
	% within T/Qual-Acad	.0%	27.2%	19.5%	22.3%
	<b>% of Total</b>	<b>.0%</b>	<b>11.0%</b>	<b>11.3%</b>	<b>22.3%</b>
<b>Two years</b>	Count	3	71	89	163
	% within T/Qual-Prof	1.8%	43.6%	54.6%	100%
	% within T/Qual-Acad	50.0%	43.8%	38.5%	40.9%
	<b>% of Total</b>	<b>.8%</b>	<b>17.8%</b>	<b>22.3%</b>	<b>40.9%</b>
<b>Three years</b>	Count	3	20	4	27
	% within T/Qual-Prof	11.1%	74.1%	14.8%	100%
	% within T/Qual-Acad	50.0%	12.3%	1.7%	6.8%
	<b>% of Total</b>	<b>.8%</b>	<b>5.0%</b>	<b>1.0%</b>	<b>6.8%</b>
<b>Three years plus</b>	Count	0	7	5	12
	% within T/Qual-Prof	.0%	58.3%	41.7%	100%
	% within T/Qual-Acad	.0%	4.3%	2.2%	3.0%
	<b>% of TOTAL</b>	<b>.0%</b>	<b>1.8%</b>	<b>1.3%</b>	<b>3.0%</b>
<b>TOTAL</b>	% of Total	6	162	231	399
	Count	1.5%	40.6%	57.9%	100%
	% within T/Qual-Prof	100%	100%	100%	100%
	% within T/Qual-Acad	1.5%	40.6%	57.9%	100%
	<b>% of Total</b>	<b>1.5%</b>	<b>40.6%</b>	<b>57.9%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		MAU READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	0	0	1	1
	% within T/Qual-Prof	.0%	.0%	.0%	.0%	100%	100%
	% within T/Qual-Acad	.0%	.0%	.0%	.0%	10.0%	.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.3%</b>	<b>.3%</b>
<b>Less than one year</b>	Count	1	0	1	1	0	3
	% within T/Qual-Prof	33.3%	.0%	33.3%	33.3%	.0%	100%
	% within T/Qual-Acad	100.0%	.0%	.5%	.6%	.0%	.8%
	<b>% of Total</b>	<b>.3%</b>	<b>.0%</b>	<b>.3%</b>	<b>.3%</b>	<b>.0%</b>	<b>.8%</b>
<b>One Year</b>	Count	0	5	30	8	1	44
	% within T/Qual-Prof	.0%	11.4%	68.2%	18.2%	2.3%	100%
	% within T/Qual-Acad	.0%	83.3%	14.1%	4.7%	10.0%	11.0%
	<b>% of Total</b>	<b>.0%</b>	<b>1.3%</b>	<b>7.5%</b>	<b>2.0%</b>	<b>.3%</b>	<b>11.0%</b>
<b>Two years</b>	Count	0	1	143	117	7	268
	% within T/Qual-Prof	.0%	.4%	53.4%	43.7%	2.6%	100%
	% within T/Qual-Acad	.0%	16.7%	67.1%	68.8%	70.0%	67.0%
	<b>% of Total</b>	<b>.0%</b>	<b>.3%</b>	<b>35.8%</b>	<b>29.3%</b>	<b>1.8%</b>	<b>67.0%</b>
<b>Three years</b>	Count	0	0	12	14	0	26
	% within T/Qual-Prof	.0%	.0%	46.2%	53.8%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	5.6%	8.2%	.0%	6.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>3.0%</b>	<b>3.5%</b>	<b>.0%</b>	<b>6.5%</b>
<b>Three years plus</b>	Count	0	0	27	30	1	58
	% within T/Qual-Prof	.0%	.0%	46.6%	51.7%	1.7%	100%
	% within T/Qual-Acad	.0%	.0%	12.7%	17.6%	10.0%	14.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>6.8%</b>	<b>7.5%</b>	<b>.3%</b>	<b>14.5%</b>
<b>TOTAL</b>	Count	1	6	213	170	10	400
	% within T/Qual-Prof	.3%	1.5%	53.3%	42.5%	2.5%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>.3%</b>	<b>1.5%</b>	<b>53.3%</b>	<b>42.5%</b>	<b>2.5%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		NAM READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	1	0	7	0	6	14
	% within T/Qual-Prof	7.1%	.0%	50.0%	.0%	42.9%	100%
	% within T/Qual-Acad	1.9%	.0%	3.8%	.0%	11.5%	3.5%
	<b>% of Total</b>	<b>.3%</b>	<b>.0%</b>	<b>1.8%</b>	<b>.0%</b>	<b>1.5%</b>	<b>3.5%</b>
<b>Less than one year</b>	Count	2	2	2	1	2	9
	% within T/Qual-Prof	22.2%	22.2%	22.2%	11.1%	22.2%	100%
	% within T/Qual-Acad	3.7%	5.6%	1.1%	1.4%	3.8%	2.3%
	<b>% of Total</b>	<b>.5%</b>	<b>.5%</b>	<b>.5%</b>	<b>.3%</b>	<b>.5%</b>	<b>2.3%</b>
<b>One year</b>	Count	0	3	10	4	0	17
	% within T/Qual-Prof	.0%	17.6%	58.8%	23.5%	.0%	100%
	% within T/Qual-Acad	.0%	8.3%	5.4%	5.6%	.0%	4.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.8%</b>	<b>2.5%</b>	<b>1.0%</b>	<b>.0%</b>	<b>4.3%</b>
<b>Two years</b>	Count	29	16	46	13	1	105
	% within T/Qual-Prof	27.6%	15.2%	43.8%	12.4%	1.0%	100%
	% within T/Qual-Acad	53.7%	44.4%	24.7%	18.3%	1.9%	26.3%
	<b>% of Total</b>	<b>7.3%</b>	<b>4.0%</b>	<b>11.5%</b>	<b>3.3%</b>	<b>.3%</b>	<b>26.3%</b>
<b>Three years</b>	Count	20	14	91	43	11	179
	% within T/Qual-Prof	11.2%	7.8%	50.8%	24.0%	6.1%	100%
	% within T/Qual-Acad	37.0%	38.9%	48.9%	60.6%	21.2%	44.9%
	<b>% of Total</b>	<b>5.0%</b>	<b>3.5%</b>	<b>22.8%</b>	<b>10.8%</b>	<b>2.8%</b>	<b>44.9%</b>
<b>Three years plus</b>	Count	2	1	30	10	32	75
	% within T/Qual-Prof	2.7%	1.3%	40.0%	13.3%	42.7%	100%
	% within T/Qual-Acad	3.7%	2.8%	16.1%	14.1%	61.5%	18.8%
	<b>% of Total</b>	<b>.5%</b>	<b>.3%</b>	<b>7.5%</b>	<b>2.5%</b>	<b>8.0%</b>	<b>18.8%</b>
<b>TOTAL</b>	Count	54	36	186	71	52	399
	% within T/Qual-Prof	13.5%	9.0%	46.6%	17.8%	13.0%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>13.5%</b>	<b>9.0%</b>	<b>46.6%</b>	<b>17.8%</b>	<b>13.0%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		SEY READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	0	2	0	2
	% within T/Qual-Prof	.0%	.0%	.0%	100%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	.0%	.9%	.0%	.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.5%</b>	<b>.0%</b>	<b>.5%</b>
<b>Less than one year</b>	Count	0	0	11	0	0	11
	% within T/Qual-Prof	.0%	.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	8.6%	.0%	.0%	2.8%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>2.8%</b>	<b>.0%</b>	<b>.0%</b>	<b>2.8%</b>
<b>One year</b>	Count	0	2	8	11	0	21
	% within T/Qual-Prof	.0%	9.5%	38.1%	52.4%	.0%	100%
	% within T/Qual-Acad	.0%	7.1%	6.3%	5.2%	.0%	5.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.5%</b>	<b>2.0%</b>	<b>2.8%</b>	<b>.0%</b>	<b>5.3%</b>
<b>Two years</b>	Count	0	26	58	14	5	103
	% within T/Qual-Prof	.0%	25.2%	56.3%	13.6%	4.9%	100%
	% within T/Qual-Acad	.0%	92.9%	45.3%	6.6%	20.8%	25.9%
	<b>% Of Total</b>	<b>.0%</b>	<b>6.5%</b>	<b>14.6%</b>	<b>3.5%</b>	<b>1.3%</b>	<b>25.9%</b>
<b>Three years</b>	Count	5	0	33	75	7	120
	% within T/Qual-Prof	4.2%	.0%	27.5%	62.5%	5.8%	100%
	% within T/Qual-Acad	100%	.0%	25.8%	35.2%	29.2%	30.2%
	<b>% Of Total</b>	<b>1.3%</b>	<b>.0%</b>	<b>8.3%</b>	<b>18.8%</b>	<b>1.8%</b>	<b>30.2%</b>
<b>Three years plus</b>	Count	0	0	18	111	12	141
	% within T/Qual-Prof	.0%	.0%	12.8%	78.7%	8.5%	100.0%
	% within T/Qual-Acad	.0%	.0%	14.1%	52.1%	50.0%	35.4%
	<b>% Of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>4.5%</b>	<b>27.9%</b>	<b>3.0%</b>	<b>35.4%</b>
<b>TOTAL</b>	Count	5	28	128	213	24	398
	% within T/Qual-Prof	1.3%	7.0%	32.2%	53.5%	6.0%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>1.3%</b>	<b>7.0%</b>	<b>32.2%</b>	<b>53.5%</b>	<b>6.0%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		SOU READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	0	0	2	2
	% within T/Qual-Prof	.0%	.0%	.0%	.0%	100%	100%
	% within T/Qual-Acad	.0%	.0%	.0%	.0%	2.0%	.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.5%</b>	<b>.5%</b>
<b>One year</b>	Count	5	0	3	0	2	10
	% within T/Qual-Prof	50.0%	.0%	30.0%	.0%	20.0%	100%
	% within T/Qual-Acad	4.8%	.0%	4.2%	.0%	2.0%	2.6%
	<b>% of Total</b>	<b>1.3%</b>	<b>.0%</b>	<b>.8%</b>	<b>.0%</b>	<b>.5%</b>	<b>2.6%</b>
<b>Two years</b>	Count	27	7	16	8	4	62
	% within T/Qual-Prof	43.5%	11.3%	25.8%	12.9%	6.5%	100%
	% within T/Qual-Acad	25.7%	38.9%	22.2%	8.6%	4.0%	16.0%
	<b>% of Total</b>	<b>7.0%</b>	<b>1.8%</b>	<b>4.1%</b>	<b>2.1%</b>	<b>1.0%</b>	<b>16.0%</b>
<b>Three years</b>	Count	53	7	30	37	38	165
	% within T/Qual-Prof	32.1%	4.2%	18.2%	22.4%	23.0%	100%
	% within T/Qual-Acad	50.5%	38.9%	41.7%	39.8%	38.4%	42.6%
	<b>% of Total</b>	<b>13.7%</b>	<b>1.8%</b>	<b>7.8%</b>	<b>9.6%</b>	<b>9.8%</b>	<b>42.6%</b>
<b>Three years plus</b>	Count	20	4	23	48	53	148
	% within T/Qual-Prof	13.5%	2.7%	15.5%	32.4%	35.8%	100%
	% within T/Qual-Acad	19.0%	22.2%	31.9%	51.6%	53.5%	38.2%
	<b>% of Total</b>	<b>5.2%</b>	<b>1.0%</b>	<b>5.9%</b>	<b>12.4%</b>	<b>13.7%</b>	<b>38.2%</b>
<b>TOTAL</b>	Count	105	18	72	93	99	387
	% within T/Qual-Prof	27.1%	4.7%	18.6%	24.0%	25.6%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>27.1%</b>	<b>4.7%</b>	<b>18.6%</b>	<b>24.0%</b>	<b>25.6%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		SWA READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	70	19	0	89
	% within T/Qual-Prof	.0%	.0%	78.7%	21.3%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	17.8%	1.0%	.0%	2.9%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>2.3%</b>	<b>.6%</b>	<b>.0%</b>	<b>2.9%</b>
<b>Less than one year</b>	Count	0	0	20	0	0	20
	% within T/Qual-Prof	.0%	.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	5.1%	.0%	.0%	.7%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.7%</b>	<b>.0%</b>	<b>.0%</b>	<b>.7%</b>
<b>One year</b>	Count	20	0	0	6	19	45
	% within T/Qual-Prof	44.4%	.0%	.0%	13.3%	42.2%	100%
	% within T/Qual-Acad	7.5%	.0%	.0%	.3%	5.1%	1.5%
	<b>% of Total</b>	<b>.7%</b>	<b>.0%</b>	<b>.0%</b>	<b>.2%</b>	<b>.6%</b>	<b>1.5%</b>
<b>Two years</b>	Count	39	105	114	699	0	957
	% within T/Qual-Prof	4.1%	11.0%	11.9%	73.0%	.0%	100%
	% within T/Qual-Acad	14.7%	100%	29.0%	36.4%	.0%	31.3%
	<b>% of Total</b>	<b>1.3%</b>	<b>3.4%</b>	<b>3.7%</b>	<b>22.8%</b>	<b>.0%</b>	<b>31.3%</b>
<b>Three years</b>	Count	207	0	169	1084	197	1657
	% within T/Qual-Prof	12.5%	.0%	10.2%	65.4%	11.9%	100.0%
	% within T/Qual-Acad	77.8%	.0%	43.0%	56.4%	52.5%	54.1%
	<b>% of Total</b>	<b>6.8%</b>	<b>.0%</b>	<b>5.5%</b>	<b>35.4%</b>	<b>6.4%</b>	<b>54.1%</b>
<b>Three years plus</b>	Count	0	0	20	114	159	293
	% within T/Qual-Prof	.0%	.0%	6.8%	38.9%	54.3%	100%
	% within T/Qual-Acad	.0%	.0%	5.1%	5.9%	42.4%	9.6%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.7%</b>	<b>3.7%</b>	<b>5.2%</b>	<b>9.6%</b>
<b>TOTAL</b>	Count	266	105	393	1922	375	3061
	% within T/Qual-Prof	8.7%	3.4%	12.8%	62.8%	12.3%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>8.7%</b>	<b>3.4%</b>	<b>12.8%</b>	<b>62.8%</b>	<b>12.3%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		TAN READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>Less than one year</b>	Count	0	36	0	0	0	36
	% within T/Qual-Prof	.0%	100%	.0%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	1.8%	.0%	.0%	.0%	1.3%
	<b>% of Total</b>	<b>.0%</b>	<b>1.3%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>1.3%</b>
<b>One year</b>	Count	29	96	0	0	0	125
	% within T/Qual-Prof	23.2%	76.8%	.0%	.0%	.0%	100%
	% within T/Qual-Acad	3.8%	4.9%	.0%	.0%	.0%	4.4%
	<b>% of Total</b>	<b>1.0%</b>	<b>3.4%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>4.4%</b>
<b>Two years</b>	Count	306	1500	26	61	19	1912
	% within T/Qual-Prof	16.0%	78.5%	1.4%	3.2%	1.0%	100%
	% within T/Qual-Acad	40.4%	76.4%	100%	96.8%	100%	67.6%
	<b>% of Total</b>	<b>10.8%</b>	<b>53.0%</b>	<b>.9%</b>	<b>2.2%</b>	<b>.7%</b>	<b>67.6%</b>
<b>Three years</b>	Count	374	299	0	2	0	675
	% within T/Qual-Prof	55.4%	44.3%	.0%	.3%	.0%	100%
	% within T/Qual-Acad	49.3%	15.2%	.0%	3.2%	.0%	23.9%
	<b>% of Total</b>	<b>13.2%</b>	<b>10.6%</b>	<b>.0%</b>	<b>.1%</b>	<b>.0%</b>	<b>23.9%</b>
<b>Three years plus</b>	Count	49	32	0	0	0	81
	% within T/Qual-Prof	60.5%	39.5%	.0%	.0%	.0%	100%
	% within T/Qual-Acad	6.5%	1.6%	.0%	.0%	.0%	2.9%
	<b>% of Total</b>	<b>1.7%</b>	<b>1.1%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>2.9%</b>
<b>TOTAL</b>	Count	758	1963	26	63	19	2829
	% within T/Qual-Prof	26.8%	69.4%	.9%	2.2%	.7%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>26.8%</b>	<b>69.4%</b>	<b>.9%</b>	<b>2.2%</b>	<b>.7%</b>	<b>100%</b>





T/QUAL-PROFESSIONAL		UGA READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
No teacher training	Count	0	0	6	10	0	16
	% within T/Qual-Prof	.0%	.0%	37.5%	62.5%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	2.8%	7.2%	.0%	4.1%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>1.6%</b>	<b>2.6%</b>	<b>.0%</b>	<b>4.1%</b>
Less than one year	Count	0	4	10	3	0	17
	% within T/Qual-Prof	.0%	23.5%	58.8%	17.6%	.0%	100%
	% within T/Qual-Acad	.0%	66.7%	4.7%	2.2%	.0%	4.4%
	<b>% of Total</b>	<b>.0%</b>	<b>1.0%</b>	<b>2.6%</b>	<b>.8%</b>	<b>.0%</b>	<b>4.4%</b>
One year	Count	0	0	8	5	0	13
	% within T/Qual-Prof	.0%	.0%	61.5%	38.5%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	3.7%	3.6%	.0%	3.4%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>2.1%</b>	<b>1.3%</b>	<b>.0%</b>	<b>3.4%</b>
Two years	Count	14	0	130	69	6	219
	% within T/Qual-Prof	6.4%	.0%	59.4%	31.5%	2.7%	100%
	% within T/Qual-Acad	82.4%	.0%	60.7%	49.6%	54.5%	56.6%
	<b>% of Total</b>	<b>3.6%</b>	<b>.0%</b>	<b>33.6%</b>	<b>17.8%</b>	<b>1.6%</b>	<b>56.6%</b>
Three years	Count	0	0	30	19	0	49
	% within T/Qual-Prof	.0%	.0%	61.2%	38.8%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	14.0%	13.7%	.0%	12.7%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>7.8%</b>	<b>4.9%</b>	<b>.0%</b>	<b>12.7%</b>
Three years plus	Count	3	2	30	33	5	73
	% within T/Qual-Prof	4.1%	2.7%	41.1%	45.2%	6.8%	100%
	% within T/Qual-Acad	17.6%	33.3%	14.0%	23.7%	45.5%	18.9%
	<b>% of Total</b>	<b>.8%</b>	<b>.5%</b>	<b>7.8%</b>	<b>8.5%</b>	<b>1.3%</b>	<b>18.9%</b>
TOTAL	Count	17	6	214	139	11	387
	% within T/Qual-Prof	4.4%	1.6%	55.3%	35.9%	2.8%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>4.4%</b>	<b>1.6%</b>	<b>55.3%</b>	<b>35.9%</b>	<b>2.8%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		ZAM READ T/QUAL-ACADEMIC					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	9	0	0	9
	% within T/Qual-Prof	.0%	.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	3.2%	.0%	.0%	2.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>2.3%</b>	<b>.0%</b>	<b>.0%</b>	<b>2.3%</b>
<b>Less than one year</b>	Count	0	0	3	0	0	3
	% within T/Qual-Prof	.0%	.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	1.1%	.0%	.0%	.8%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.8%</b>	<b>.0%</b>	<b>.0%</b>	<b>.8%</b>
<b>One year</b>	Count	1	1	3	1	0	6
	% within T/Qual-Prof	16.7%	16.7%	50.0%	16.7%	.0%	100%
	% within T/Qual-Acad	2.5%	4.3%	1.1%	2.3%	.0%	1.5%
	<b>% of Total</b>	<b>.3%</b>	<b>.3%</b>	<b>.8%</b>	<b>.3%</b>	<b>.0%</b>	<b>1.5%</b>
<b>Two years</b>	Count	39	22	259	35	2	357
	% within T/Qual-Prof	10.9%	6.2%	72.5%	9.8%	.6%	100%
	% within T/Qual-Acad	97.5%	95.7%	92.8%	79.5%	100%	92.0%
	<b>% of Total</b>	<b>10.1%</b>	<b>5.7%</b>	<b>66.8%</b>	<b>9.0%</b>	<b>.5%</b>	<b>92.0%</b>
<b>Three years</b>	Count	0	0	1	4	0	5
	% within T/Qual-Prof	.0%	.0%	20.0%	80.0%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	.4%	9.1%	.0%	1.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.3%</b>	<b>1.0%</b>	<b>.0%</b>	<b>1.3%</b>
<b>Three years plus</b>	Count	0	0	4	4	0	8
	% within T/Qual-Prof	.0%	.0%	50.0%	50.0%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	1.4%	9.1%	.0%	2.1%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>1.0%</b>	<b>1.0%</b>	<b>.0%</b>	<b>2.1%</b>
<b>TOTAL</b>	Count	40	23	279	44	2	388
	% within T/Qual-Prof	10.3%	5.9%	71.9%	11.3%	.5%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>10.3%</b>	<b>5.9%</b>	<b>71.9%</b>	<b>11.3%</b>	<b>.5%</b>	<b>100%</b>



T/QUAL-PROFESSIONAL		ZAN READ T/QUAL-ACADEMIC				TOTAL
		Primary	Junior secondary	Senior secondary	A-level	
<b>No teacher training</b>	Count	0	10	14	2	26
	% within T/Qual-Prof	.0%	38.5%	53.8%	7.7%	100%
	% within T/Qual-Acad	.0%	34.5%	4.3%	6.5%	6.7%
	<b>% of Total</b>	<b>.0%</b>	<b>2.6%</b>	<b>3.6%</b>	<b>.5%</b>	<b>6.7%</b>
<b>Less than one year</b>	Count	0	3	46	0	49
	% within T/Qual-Prof	.0%	6.1%	93.9%	.0%	100%
	% within T/Qual-Acad	.0%	10.3%	14.1%	.0%	12.6%
	<b>% of Total</b>	<b>.0%</b>	<b>.8%</b>	<b>11.8%</b>	<b>.0%</b>	<b>12.6%</b>
<b>One year</b>	Count	3	2	21	2	28
	% within T/Qual-Prof	10.7%	7.1%	75.0%	7.1%	100%
	% within T/Qual-Acad	100%	6.9%	6.4%	6.5%	7.2%
	<b>% of Total</b>	<b>.8%</b>	<b>.5%</b>	<b>5.4%</b>	<b>.5%</b>	<b>7.2%</b>
<b>Two years</b>	Count	0	12	243	23	278
	% within T/Qual-Prof	.0%	4.3%	87.4%	8.3%	100%
	% within T/Qual-Acad	.0%	41.4%	74.3%	74.2%	71.3%
	<b>% of Total</b>	<b>.0%</b>	<b>3.1%</b>	<b>62.3%</b>	<b>5.9%</b>	<b>71.3%</b>
<b>Three years</b>	Count	0	0	1	0	1
	% within T/Qual-Prof	.0%	.0%	100%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	.3%	.0%	.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.3%</b>	<b>.0%</b>	<b>.3%</b>
<b>Three years plus</b>	Count	0	2	2	4	8
	% within T/Qual-Prof	.0%	25.0%	25.0%	50.0%	100%
	% within T/Qual-Acad	.0%	6.9%	.6%	12.9%	2.1%
	<b>% of Total</b>	<b>.0%</b>	<b>.5%</b>	<b>.5%</b>	<b>1.0%</b>	<b>.1%</b>
<b>TOTAL</b>	Count	3	29	327	31	390
	% within T/Qual-Prof	.8%	7.4%	83.8%	7.9%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>.8%</b>	<b>7.4%</b>	<b>83.8%</b>	<b>7.9%</b>	<b>100%</b>

## APPENDIX 11

### PERCENTAGES FOR PROFESSIONAL TRAINING AND ACADEMIC LEVEL OF MATHEMATICS TEACHERS IN EACH SACMEQ COUNTRY (T/Qual- Professional \* T/Qual-Academic Crosstabulation)

T/PROFESSIONAL-QUAL		BOT MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	1	17	0	0	18
	% within T/Qual-Prof	.0%	5.6%	94.4%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	.5%	14.0%	.0%	.0%	4.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.3%</b>	<b>4.3%</b>	<b>.0%</b>	<b>.0%</b>	<b>4.5%</b>
<b>Less than one year</b>	Count	0	3	1	0	0	4
	% within T/Qual-Prof	.0%	75.0%	25.0%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	1.6%	.8%	.0%	.0%	1.0%
	% of Total	.0%	.8%	.3%	.0%	.0%	1.0%
<b>Two years</b>	Count	27	171	75	16	6	295
	% within T/Qual-Prof	9.2%	58.0%	25.4%	5.4%	2.0%	100%
	% within T/Qual-Acad	87.1%	90.5%	62.0%	47.1%	24.0%	73.8%
	<b>% of Total</b>	<b>6.8%</b>	<b>42.8%</b>	<b>18.8%</b>	<b>4.0%</b>	<b>1.5%</b>	<b>73.8%</b>
<b>Three years</b>	Count	2	8	16	15	3	44
	% within T/Qual-Prof	4.5%	18.2%	36.4%	34.1%	6.8%	100%
	% within T/Qual-Acad	6.5%	4.2%	13.2%	44.1%	12.0%	11.0%
	<b>% of Total</b>	<b>.5%</b>	<b>2.0%</b>	<b>4.0%</b>	<b>3.8%</b>	<b>.8%</b>	<b>11.0%</b>
<b>Three years plus</b>	Count	2	6	12	3	16	39
	% within T/Qual-Prof	5.1%	15.4%	30.8%	7.7%	41.0%	100%
	% within T/Qual-Acad	6.5%	3.2%	9.9%	8.8%	64.0%	9.8%
	<b>% of Total</b>	<b>.5%</b>	<b>1.5%</b>	<b>3.0%</b>	<b>.8%</b>	<b>4.0%</b>	<b>9.8%</b>
<b>TOTAL</b>	Count	31	189	121	34	25	400
	% within T/Qual-Prof	7.8%	47.3%	30.3%	8.5%	6.3%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>7.8%</b>	<b>47.3%</b>	<b>30.3%</b>	<b>8.5%</b>	<b>6.3%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		KEN MATH T/ACADEMIC QUALIFICATIONS				TOTAL
		Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	8	0	0	8
	% within T/Qual-Prof	.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	2.6%	.0%	.0%	2.1%
	<b>% of Total</b>	<b>.0%</b>	<b>2.1%</b>	<b>.0%</b>	<b>.0%</b>	<b>2.1%</b>
<b>Less than one year</b>	Count	0	3	1	0	4
	% within T/Qual-Prof	.0%	75.0%	25.0%	.0%	100%
	% within T/Qual-Acad	.0%	1.0%	1.5%	.0%	1.0%
	<b>% of Total</b>	<b>.0%</b>	<b>.8%</b>	<b>.3%</b>	<b>.0%</b>	<b>1.0%</b>
<b>One year</b>	Count	0	1	0	0	1
	% within T/Qual-Prof	.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	.3%	.0%	.0%	.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.3%</b>	<b>.0%</b>	<b>.0%</b>	<b>.3%</b>
<b>Two years</b>	Count	7	262	63	1	333
	% within T/Qual-Prof	2.1%	78.7%	18.9%	.3%	100%
	% within T/Qual-Acad	77.8%	84.5%	95.5%	100%	86.3%
	<b>% of Total</b>	<b>1.8%</b>	<b>67.9%</b>	<b>16.3%</b>	<b>.3%</b>	<b>86.3%</b>
<b>Three years</b>	Count	2	22	0	0	24
	% within T/Qual-Prof	8.3%	91.7%	.0%	.0%	100%
	% within T/Qual-Acad	22.2%	7.1%	.0%	.0%	6.2%
	<b>% of Total</b>	<b>.5%</b>	<b>5.7%</b>	<b>.0%</b>	<b>.0%</b>	<b>6.2%</b>
<b>Three years plus</b>	Count	0	14	2	0	16
	% within T/Qual-Prof	.0%	87.5%	12.5%	.0%	100%
	% within T/Qual-Acad	.0%	4.5%	3.0%	.0%	4.1%
	<b>% of Total</b>	<b>.0%</b>	<b>3.6%</b>	<b>.5%</b>	<b>.0%</b>	<b>4.1%</b>
<b>TOTAL</b>	Count	9	310	66	1	386
	% within T/Qual-Prof	2.3%	80.3%	17.1%	.3%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>2.3%</b>	<b>80.3%</b>	<b>17.1%</b>	<b>.3%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		LES MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	17	70	170	38	0	295
	% within T/Qual-Prof	5.8%	23.7%	57.6%	12.9%	.0%	100%
	% within T/Qual-Acad	1.1%	19.4%	36.3%	6.7%	.0%	9.4%
	<b>% of Total</b>	<b>.5%</b>	<b>2.2%</b>	<b>5.4%</b>	<b>1.2%</b>	<b>.0%</b>	<b>9.4%</b>
<b>Less than one year</b>	Count	14	6	19	19	0	58
	% within T/Qual-Prof	24.1%	10.3%	32.8%	32.8%	.0%	100%
	% within T/Qual-Acad	.9%	1.7%	4.1%	3.4%	.0%	1.8%
	<b>% of Total</b>	<b>.4%</b>	<b>.2%</b>	<b>.6%</b>	<b>.6%</b>	<b>.0%</b>	<b>1.8%</b>
<b>One year</b>	Count	26	18	39	0	56	139
	% within T/Qual-Prof	18.7%	12.9%	28.1%	.0%	40.3%	100%
	% within T/Qual-Acad	1.7%	5.0%	8.3%	.0%	28.6%	4.4%
	<b>% of Total</b>	<b>.8%</b>	<b>.6%</b>	<b>1.2%</b>	<b>.0%</b>	<b>1.8%</b>	<b>4.4%</b>
<b>Two years</b>	Count	159	73	0	6	0	238
	% within T/Qual-Prof	66.8%	30.7%	.0%	2.5%	.0%	100%
	% within T/Qual-Acad	10.2%	20.3%	.0%	1.1%	.0%	7.5%
	<b>% of Total</b>	<b>5.0%</b>	<b>2.3%</b>	<b>.0%</b>	<b>.2%</b>	<b>.0%</b>	<b>7.5%</b>
<b>Three years</b>	Count	963	103	171	228	52	1517
	% within T/Qual-Prof	63.5%	6.8%	11.3%	15.0%	3.4%	100%
	% within T/Qual-Acad	61.5%	28.6%	36.5%	40.3%	26.5%	48.1%
	<b>% of Total</b>	<b>30.5%</b>	<b>3.3%</b>	<b>5.4%</b>	<b>7.2%</b>	<b>1.6%</b>	<b>48.1%</b>
<b>Three years plus</b>	Count	386	90	69	275	88	908
	% within T/Qual-Prof	42.5%	9.9%	7.6%	30.3%	9.7%	100%
	% within T/Qual-Acad	24.7%	25.0%	14.7%	48.6%	44.9%	28.8%
	<b>% of Total</b>	<b>12.2%</b>	<b>2.9%</b>	<b>2.2%</b>	<b>8.7%</b>	<b>2.8%</b>	<b>28.8%</b>
<b>TOTAL</b>	Count	1565	360	468	566	196	3155
	% within T/Qual-Prof	49.6%	11.4%	14.8%	17.9%	6.2%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>49.6%</b>	<b>11.4%</b>	<b>14.8%</b>	<b>17.9%</b>	<b>6.2%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		MAL MATH T/ACADEMIC QUALIFICATIONS			TOTAL
		Junior secondary	Senior secondary	A-level	
<b>No teacher training</b>	Count	7	31	0	38
	% within T/Qual-Prof	18.4%	81.6%	.0%	100%
	% within T/Qual-Acad	5.9%	11.6%	.0%	9.8%
	<b>% of Total</b>	<b>1.8%</b>	<b>8.0%</b>	<b>.0%</b>	<b>9.8%</b>
<b>Less than one year</b>	Count	18	68	0	86
	% within T/Qual-Prof	20.9%	79.1%	.0%	100%
	% within T/Qual-Acad	15.3%	25.5%	.0%	22.2%
	<b>% of Total</b>	<b>4.7%</b>	<b>17.6%</b>	<b>.0%</b>	<b>22.2%</b>
<b>One year</b>	Count	32	46	0	78
	% within T/Qual-Prof	41.0%	59.0%	.0%	100%
	% within T/Qual-Acad	27.1%	17.2%	.0%	20.2%
	<b>% of Total</b>	<b>8.3%</b>	<b>11.9%</b>	<b>.0%</b>	<b>20.2%</b>
<b>Two years</b>	Count	45	92	2	139
	% within T/Qual-Prof	32.4%	66.2%	1.4%	100%
	% within T/Qual-Acad	38.1%	34.5%	100%	35.9%
	<b>% of Total</b>	<b>11.6%</b>	<b>23.8%</b>	<b>.5%</b>	<b>35.9%</b>
<b>Three years</b>	Count	10	18	0	28
	% within T/Qual-Prof	35.7%	64.3%	.0%	100%
	% within T/Qual-Acad	8.5%	6.7%	.0%	7.2%
	<b>% of Total</b>	<b>2.6%</b>	<b>4.7%</b>	<b>.0%</b>	<b>7.2%</b>
<b>Three years plus</b>	Count	6	12	0	18
	% within T/Qual-Prof	33.3%	66.7%	.0%	100%
	% within T/Qual-Acad	5.1%	4.5%	.0%	4.7%
	<b>% of Total</b>	<b>1.6%</b>	<b>3.1%</b>	<b>.0%</b>	<b>4.7%</b>
<b>TOTAL</b>	Count	118	267	2	387
	% within T/Qual-Prof	30.5%	69.0%	.5%	100%
	% within T/Qual-Acad	100%	100%	100%	100%
	<b>% of Total</b>	<b>30.5%</b>	<b>69.0%</b>	<b>.5%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		MAU MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	0	0	1	1
	% within T/Qual-Prof	.0%	.0%	.0%	.0%	100%	100%
	% within T/Qual-Acad	.0%	.0%	.0%	.0%	10.0%	.3%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.3%</b>	<b>.3%</b>
<b>Less than one year</b>	Count	1	0	1	1	0	3
	% within T/Qual-Prof	33.3%	.0%	33.3%	33.3%	.0%	100%
	% within T/Qual-Acad	100%	.0%	.5%	.6%	.0%	.8%
	<b>% of Total</b>	<b>.3%</b>	<b>.0%</b>	<b>.3%</b>	<b>.3%</b>	<b>.0%</b>	<b>.8%</b>
<b>One year</b>	Count	0	5	30	8	1	44
	% within T/Qual-Prof	.0%	11.4%	68.2%	18.2%	2.3%	100%
	% within T/Qual-Acad	.0%	83.3%	14.1%	4.7%	10.0%	11.0%
	<b>% of Total</b>	<b>.0%</b>	<b>1.3%</b>	<b>7.5%</b>	<b>2.0%</b>	<b>.3%</b>	<b>11.0%</b>
<b>Two years</b>	Count	0	1	143	117	7	268
	% within T/Qual-Prof	.0%	.4%	53.4%	43.7%	2.6%	100%
	% within T/Qual-Acad	.0%	16.7%	67.1%	68.8%	70.0%	67.0%
	<b>% of Total</b>	<b>.0%</b>	<b>.3%</b>	<b>35.8%</b>	<b>29.3%</b>	<b>1.8%</b>	<b>67.0%</b>
<b>Three years</b>	Count	0	0	12	14	0	26
	% within T/Qual-Prof	.0%	.0%	46.2%	53.8%	.0%	100%
	% within T/Qual-Acad	.0%	.0%	5.6%	8.2%	.0%	6.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>3.0%</b>	<b>3.5%</b>	<b>.0%</b>	<b>6.5%</b>
<b>Three years plus</b>	Count	0	0	27	30	1	58
	% within T/Qual-Prof	.0%	.0%	46.6%	51.7%	1.7%	100%
	% within T/Qual-Acad	.0%	.0%	12.7%	17.6%	10.0%	14.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>6.8%</b>	<b>7.5%</b>	<b>.3%</b>	<b>14.5%</b>
<b>TOTAL</b>	Count	1	6	213	170	10	400
	% within T/Qual-Prof	.3%	1.5%	53.3%	42.5%	2.5%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>.3%</b>	<b>1.5%</b>	<b>53.3%</b>	<b>42.5%</b>	<b>2.5%</b>	<b>100%</b>





T/PROFESSIONAL-QUAL		NAM MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	1	5	1	3	10
	% within T/Qual-Prof	.0%	10.0%	50.0%	10.0%	30.0%	100%
	% within T/Qual-Acad	.0%	2.9%	2.7%	1.4%	7.3%	2.5%
	<b>% of Total</b>	<b>.0%</b>	<b>.3%</b>	<b>1.3%</b>	<b>.3%</b>	<b>.8%</b>	<b>2.5%</b>
<b>Less than one year</b>	Count	3	1	1	1	3	9
	% within T/Qual-Prof	33.3%	11.1%	11.1%	11.1%	33.3%	100%
	% within T/Qual-Acad	4.2%	2.9%	.5%	1.4%	7.3%	2.3%
	<b>% of Total</b>	<b>.8%</b>	<b>.3%</b>	<b>.3%</b>	<b>.3%</b>	<b>.8%</b>	<b>2.3%</b>
<b>One year</b>	Count	4	1	14	0	1	20
	% within T/Qual-Prof	20.0%	5.0%	70.0%	.0%	5.0%	100%
	% within T/Qual-Acad	5.6%	2.9%	7.7%	.0%	2.4%	5.0%
	<b>% of Total</b>	<b>1.0%</b>	<b>.3%</b>	<b>3.5%</b>	<b>.0%</b>	<b>.3%</b>	<b>5.0%</b>
<b>Two years</b>	Count	45	6	57	11	0	119
	% within T/Qual-Prof	37.8%	5.0%	47.9%	9.2%	.0%	100%
	% within T/Qual-Acad	63.4%	17.6%	31.1%	15.5%	.0%	29.8%
	<b>% of Total</b>	<b>11.3%</b>	<b>1.5%</b>	<b>14.3%</b>	<b>2.8%</b>	<b>.0%</b>	<b>29.8%</b>
<b>Three years</b>	Count	17	22	76	50	12	177
	% within T/Qual-Prof	9.6%	12.4%	42.9%	28.2%	6.8%	100%
	% within T/Qual-Acad	23.9%	64.7%	41.5%	70.4%	29.3%	44.3%
	<b>% of Total</b>	<b>4.3%</b>	<b>5.5%</b>	<b>19.0%</b>	<b>12.5%</b>	<b>3.0%</b>	<b>44.3%</b>
<b>Three years plus</b>	Count	2	3	30	8	22	65
	% within T/Qual-Prof	3.1%	4.6%	46.2%	12.3%	33.8%	100%
	% within T/Qual-Acad	2.8%	8.8%	16.4%	11.3%	53.7%	16.3%
	<b>% of Total</b>	<b>.5%</b>	<b>.8%</b>	<b>7.5%</b>	<b>2.0%</b>	<b>5.5%</b>	<b>16.3%</b>
<b>TOTAL</b>	Count	71	34	183	71	41	400
	% within T/Qual-Prof	17.8%	8.5%	45.8%	17.8%	10.3%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>17.8%</b>	<b>8.5%</b>	<b>45.8%</b>	<b>17.8%</b>	<b>10.3%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		SEY MATH T/ACADEMIC QUALIFICATIONS				TOTAL
		Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	4	0	0	4
	% within T/Qual-Prof	.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	.0%	5.3%	.0%	.0%	1.0%
	<b>% of Total</b>	<b>.0%</b>	<b>1.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>1.0%</b>
<b>Two years</b>	Count	9	31	37	0	77
	% within T/Qual-Prof	11.7%	40.3%	48.1%	.0%	100%
	% within T/Qual-Acad	100%	41.3%	12.2%	.0%	19.2%
	<b>% of Total</b>	<b>2.2%</b>	<b>7.7%</b>	<b>9.2%</b>	<b>.0%</b>	<b>19.2%</b>
<b>Three years</b>	Count	0	21	59	14	94
	% within T/Qual-Prof	.0%	22.3%	62.8%	14.9%	100%
	% within T/Qual-Acad	.0%	28.0%	19.4%	100%	23.4%
	<b>% of Total</b>	<b>.0%</b>	<b>5.2%</b>	<b>14.7%</b>	<b>3.5%</b>	<b>23.4%</b>
<b>Three years plus</b>	Count	0	19	208	0	227
	% within T/Qual-Prof	.0%	8.4%	91.6%	.0%	100%
	% within T/Qual-Acad	.0%	25.3%	68.4%	.0%	56.5%
	<b>% of Total</b>	<b>.0%</b>	<b>4.7%</b>	<b>51.7%</b>	<b>.0%</b>	<b>56.5%</b>
<b>TOTAL</b>	Count	9	75	304	14	402
	% within T/Qual-Prof	2.2%	18.7%	75.6%	3.5%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%
	<b>% of Total</b>	<b>2.2%</b>	<b>18.7%</b>	<b>75.6%</b>	<b>3.5%</b>	<b>100.0%</b>



T/PROFESSIONAL-QUAL		SOU MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	1	0	2	3
	% within T/Qual-Prof	.0%	.0%	33.3%	.0%	66.7%	100%
	% within T/Qual-Acad	.0%	.0%	1.4%	.0%	1.9%	.8%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.3%</b>	<b>.0%</b>	<b>.5%</b>	<b>.8%</b>
<b>One year</b>	Count	5	0	0	0	0	5
	% within T/Qual-Prof	100%	.0%	.0%	.0%	.0%	100%
	% within T/Qual-Acad	4.0%	.0%	.0%	.0%	.0%	1.3%
	<b>% of Total</b>	<b>1.3%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>1.3%</b>
<b>Two years</b>	Count	34	2	13	7	1	57
	% within T/Qual-Prof	59.6%	3.5%	22.8%	12.3%	1.8%	100%
	% within T/Qual-Acad	27.2%	20.0%	18.3%	10.1%	1.0%	15.1%
	<b>% of Total</b>	<b>9.0%</b>	<b>.5%</b>	<b>3.4%</b>	<b>1.9%</b>	<b>.3%</b>	<b>15.1%</b>
<b>Three years</b>	Count	69	2	36	26	37	170
	% within T/Qual-Prof	40.6%	1.2%	21.2%	15.3%	21.8%	100%
	% within T/Qual-Acad	55.2%	20.0%	50.7%	37.7%	35.9%	45.0%
	<b>% of Total</b>	<b>18.3%</b>	<b>.5%</b>	<b>9.5%</b>	<b>6.9%</b>	<b>9.8%</b>	<b>45.0%</b>
<b>Three years plus</b>	Count	17	6	21	36	63	143
	% within T/Qual-Prof	11.9%	4.2%	14.7%	25.2%	44.1%	100%
	% within T/Qual-Acad	13.6%	60.0%	29.6%	52.2%	61.2%	37.8%
	<b>% of Total</b>	<b>4.5%</b>	<b>1.6%</b>	<b>5.6%</b>	<b>9.5%</b>	<b>16.7%</b>	<b>37.8%</b>
<b>TOTAL</b>	Count	125	10	71	69	103	378
	% within T/Qual-Prof	33.1%	2.6%	18.8%	18.3%	27.2%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>33.1%</b>	<b>2.6%</b>	<b>18.8%</b>	<b>18.3%</b>	<b>27.2%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		SWA MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	112	26	19	157
	% within T/Qual-Prof	.0%	.0%	71.3%	16.6%	12.1%	100%
	% within T/Qual-Acad	.0%	.0%	22.6%	1.3%	5.6%	5.1%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>3.6%</b>	<b>.8%</b>	<b>.6%</b>	<b>5.1%</b>
<b>One year</b>	Count	20	0	18	40	0	78
	% within T/Qual-Prof	25.6%	.0%	23.1%	51.3%	.0%	100%
	% within T/Qual-Acad	7.0%	.0%	3.6%	2.1%	.0%	2.5%
	<b>% of Total</b>	<b>.6%</b>	<b>.0%</b>	<b>.6%</b>	<b>1.3%</b>	<b>.0%</b>	<b>2.5%</b>
<b>Two years</b>	Count	77	43	253	663	59	1095
	% within T/Qual-Prof	7.0%	3.9%	23.1%	60.5%	5.4%	100%
	% within T/Qual-Acad	27.1%	100%	51.0%	34.2%	17.5%	35.3%
	<b>% of Total</b>	<b>2.5%</b>	<b>1.4%</b>	<b>8.2%</b>	<b>21.4%</b>	<b>1.9%</b>	<b>35.3%</b>
<b>Three years</b>	Count	187	0	113	1155	155	1610
	% within T/Qual-Prof	11.6%	.0%	7.0%	71.7%	9.6%	100%
	% within T/Qual-Acad	65.8%	.0%	22.8%	59.5%	45.9%	51.9%
	<b>% of Total</b>	<b>6.0%</b>	<b>.0%</b>	<b>3.6%</b>	<b>37.2%</b>	<b>5.0%</b>	<b>51.9%</b>
<b>Three years plus</b>	Count	0	0	0	57	105	162
	% within T/Qual-Prof	.0%	.0%	.0%	35.2%	64.8%	100%
	% within T/Qual-Acad	.0%	.0%	.0%	2.9%	31.1%	5.2%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>.0%</b>	<b>1.8%</b>	<b>3.4%</b>	<b>5.2%</b>
<b>TOTAL</b>	Count	284	43	496	1941	338	3102
	% within T/Qual-Prof	9.2%	1.4%	16.0%	62.6%	10.9%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>9.2%</b>	<b>1.4%</b>	<b>16.0%</b>	<b>62.6%</b>	<b>10.9%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		TAN MATH T/ACADEMIC QUALIFICATIONS				TOTAL
		Primary	Junior secondary	Senior secondary	A-level	
<b>No teacher training</b>	Count	0	0	0	3	3
	% within T/Qual-Prof	0.0%	0.0%	0.0%	100%	100%
	% within T/Qual-Acad	0.0%	0.0%	0.0%	4.8%	0.1%
	<b>% of Total</b>	<b>.0</b>	<b>.0</b>	<b>.0</b>	<b>.1</b>	<b>.1</b>
<b>One year</b>	Count	0	97	0	0	97
	% within T/Qual-Prof	0.0%	100%	0.0%	0.0%	100%
	% within T/Qual-Acad	0.0%	4.0%	0.0%	0.0%	3.5%
	<b>% of Total</b>	<b>0.0</b>	<b>3.5</b>	<b>0.0</b>	<b>0.0</b>	<b>3.5</b>
<b>Two years</b>	Count	72	1952	80	28	2132
	% within T/Qual-Prof	3.4%	91.6%	3.8%	1.3%	100%
	% within T/Qual-Acad	29.5%	80.7%	100%	44.4%	76.0%
	<b>% of Total</b>	<b>2.6</b>	<b>69.6</b>	<b>2.9</b>	<b>1.0</b>	<b>76.0</b>
<b>Three years</b>	Count	172	264	0	0	436
	% within T/Qual-Prof	39.4%	60.6%	0.0%	0.0%	100%
	% within T/Qual-Acad	70.5%	10.9%	0.0%	0.0%	15.5%
	<b>% of Total</b>	<b>6.1</b>	<b>9.4</b>	<b>0.0</b>	<b>0.0</b>	<b>15.5</b>
<b>Three years plus</b>	Count	0	106	0	32	138
	% within T/Qual-Prof	0.0%	76.8%	0.0%	23.2%	100%
	% within T/Qual-Acad	0.0%	4.4%	0.0%	50.8%	4.9%
	<b>% of Total</b>	<b>0.0</b>	<b>3.8</b>	<b>0.0</b>	<b>1.1</b>	<b>4.9</b>
<b>TOTAL</b>	Count	244	2419	80	63	2806
	% within T/Qual-Prof	8.7%	86.2%	2.9%	2.2%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>8.7</b>	<b>86.2</b>	<b>2.9</b>	<b>2.2</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		UGA MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	2	3	2	4	11
	% within T/Qual-Prof	0.0%	18.2%	27.3%	18.2%	36.4%	100%
	% within T/Qual-Acad	0.0%	100%	1.6%	2.3%	20.0%	3.7%
	<b>% of Total</b>	<b>0.0%</b>	<b>0.7%</b>	<b>1.0%</b>	<b>0.7%</b>	<b>1.3%</b>	<b>3.7%</b>
<b>Less than one year</b>	Count	0	0	7	0	3	10
	% within T/Qual-Prof	0.0%	0.0%	70.0%	0.0%	30.0%	100%
	% within T/Qual-Acad	.0%	.0%	3.8%	.0%	15.0%	3.4%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>2.4%</b>	<b>.0%</b>	<b>1.0%</b>	<b>3.4%</b>
<b>One year</b>	Count	0	0	0	6	0	6
	% within T/Qual-Prof	0.0%	0.0%	0.0%	100%	.0%	100%
	% within T/Qual-Acad	0.0%	0.0%	0.0%	6.8%	0.0%	2.0%
	<b>% of Total</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.0%</b>	<b>0.0%</b>	<b>2.0%</b>
<b>Two years</b>	Count	0	0	130	39	3	172
	% within T/Qual-Prof	0.0%	0.0%	75.6%	22.7%	1.7%	100%
	% within T/Qual-Acad	0.0%	0.0%	69.9%	44.3%	15.0%	57.9%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>43.8%</b>	<b>13.1%</b>	<b>1.0%</b>	<b>57.9%</b>
<b>Three years</b>	Count	0	0	39	22	0	61
	% within T/Qual-Prof	0.0%	0.0%	63.9%	36.1%	0.0%	100%
	% within T/Qual-Acad	0.0%	0.0%	21.0%	25.0%	0.0%	20.5%
	<b>% of Total</b>	<b>0.0%</b>	<b>0.0%</b>	<b>13.1%</b>	<b>7.4%</b>	<b>0.0%</b>	<b>20.5%</b>
<b>Three years plus</b>	Count	1	0	7	19	10	37
	% within T/Qual-Prof	2.7%	0.0%	18.9%	51.4%	27.0%	100%
	% within T/Qual-Acad	100%	0.0%	3.8%	21.6%	50.0%	12.5%
	<b>% of Total</b>	<b>.3%</b>	<b>.0%</b>	<b>2.4%</b>	<b>6.4%</b>	<b>3.4%</b>	<b>12.5%</b>
<b>TOTAL</b>	Count	1	2	186	88	20	297
	% within T/Qual-Prof	0.3%	0.7%	62.6%	29.6%	6.7%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>.3%</b>	<b>.7%</b>	<b>62.6%</b>	<b>29.6%</b>	<b>6.7%</b>	<b>100.0%</b>



T/PROFESSIONAL-QUAL		ZAM MATH T/ACADEMIC QUALIFICATIONS					TOTAL
		Primary	Junior secondary	Senior secondary	A-level	Tertiary	
<b>No teacher training</b>	Count	0	0	9	0	0	9
	% within T/Qual-Prof	0.0%	0.0%	100%	.0%	.0%	100%
	% within T/Qual-Acad	0.0%	0.0%	3.2%	0.0%	0.0%	2.3%
	<b>% of Total</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.3%</b>
<b>Less than one year</b>	Count	0	0	3	0	0	3
	% within T/Qual-Prof	0.0%	0.0%	100%	0.0%	0.0%	100%
	% within T/Qual-Acad	0.0%	0.0%	1.1%	0.0%	0.0%	0.8%
	<b>% of Total</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.8%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>.08%</b>
<b>One year</b>	Count	1	1	3	1	0	6
	% within T/Qual-Prof	16.7%	16.7%	50.0%	16.7%	0.0%	100.0%
	% within T/Qual-Acad	2.7%	4.2%	1.1%	2.0%	0.0%	1.5%
	<b>% of Total</b>	<b>0.3%</b>	<b>0.3%</b>	<b>0.8%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>1.5%</b>
<b>Two years</b>	Count	36	23	259	38	2	358
	% within T/Qual-Prof	10.1%	6.4%	72.3%	10.6%	0.6%	100.0%
	% within T/Qual-Acad	97.3%	95.8%	92.8%	77.6%	100%	91.6%
	<b>% of Total</b>	<b>9.2%</b>	<b>5.9%</b>	<b>66.2%</b>	<b>9.7%</b>	<b>0.5%</b>	<b>91.6%</b>
<b>Three years</b>	Count	0	0	1	4	0	5
	% within T/Qual-Prof	0.0%	0.0%	20.0%	80.0%	0.0%	100%
	% within T/Qual-Acad	0.0%	0.0%	0.4%	8.2%	0.0%	1.3%
	<b>% of Total</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>1.0%</b>	<b>0.0%</b>	<b>1.3%</b>
<b>Three years plus</b>	Count	0	0	4	6	0	10
	% within T/Qual-Prof	0.0%	0.0%	40.0%	60.0%	0.0%	100%
	% within T/Qual-Acad	0.0%	0.0%	1.4%	12.2%	0.0%	2.6%
	<b>% of Total</b>	<b>.0%</b>	<b>.0%</b>	<b>1.0%</b>	<b>1.5%</b>	<b>.0%</b>	<b>2.6%</b>
<b>TOTAL</b>	Count	37	24	279	49	2	391
	% within T/Qual-Prof	9.5%	6.1%	71.4%	12.5%	0.5%	100%
	% within T/Qual-Acad	100%	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>9.5%</b>	<b>6.1%</b>	<b>71.4%</b>	<b>12.5%</b>	<b>.5%</b>	<b>100%</b>



T/PROFESSIONAL-QUAL		ZAN MATH T/ACADEMIC QUALIFICATIONS				TOTAL
		Primary	Junior secondary	Senior secondary	A-level	
<b>No teacher training</b>	Count	0	0	16	7	23
	% within T/Qual-Prof	0.0%	0.0%	69.6%	30.4%	100%
	% within T/Qual-Acad	0.0%	0.0%	5.0%	29.2%	6.0%
	<b>% of Total</b>	<b>0.0%</b>	<b>0.0%</b>	<b>4.1%</b>	<b>1.8%</b>	<b>6.0%</b>
<b>Less than one year</b>	Count	0	11	18	1	30
	% within T/Qual-Prof	0.0%	36.7%	60.0%	3.3%	100%
	% within T/Qual-Acad	.0%	29.7%	5.6%	4.2%	7.8%
	<b>% of Total</b>	<b>0.0%</b>	<b>2.8%</b>	<b>4.7%</b>	<b>0.3%</b>	<b>7.8%</b>
<b>One year</b>	Count	2	1	16	1	20
	% within T/Qual-Prof	10.0%	5.0%	80.0%	5.0%	100%
	% within T/Qual-Acad	66.7%	2.7%	5.0%	4.2%	5.2%
	<b>% of Total</b>	<b>.5%</b>	<b>.3%</b>	<b>4.1%</b>	<b>.3%</b>	<b>5.2%</b>
<b>Two years</b>	Count	0	21	267	13	301
	% within T/Qual-Prof	.0%	7.0%	88.7%	4.3%	100%
	% within T/Qual-Acad	.0%	56.8%	82.9%	54.2%	78.0%
	<b>% of Total</b>	<b>0.0%</b>	<b>5.4%</b>	<b>69.2%</b>	<b>3.4%</b>	<b>78.0%</b>
<b>Three years</b>	Count	1	0	2	1	4
	% within T/Qual-Prof	25.0%	.0%	50.0%	25.0%	100%
	% within T/Qual-Acad	33.3%	.0%	.6%	4.2%	1.0%
	<b>% of Total</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.3%</b>	<b>1.0%</b>
<b>Three years plus</b>	Count	0	4	3	1	8
	% within T/Qual-Prof	0.0%	50.0%	37.5%	12.5%	100%
	% within T/Qual-Acad	0.0%	10.8%	.9%	4.2%	2.1%
	<b>% of Total</b>	<b>0.0%</b>	<b>1.0%</b>	<b>0.8%</b>	<b>0.3%</b>	<b>2.1%</b>
<b>TOTAL</b>	Count	3	37	322	24	386
	% within T/Qual-Prof	.8%	9.6%	83.4%	6.2%	100.0%
	% within T/Qual-Acad	100%	100%	100%	100%	100%
	<b>% of TOTAL</b>	<b>0.8%</b>	<b>9.6%</b>	<b>83.4%</b>	<b>6.2%</b>	<b>100%</b>



## APPENDIX 12

### PERCENTAGES AND SAMPLING ERRORS FOR THE LIGHTING IN MOZAMBICAN PUPILS' HOMES

Region	No light		Candle/Oil Lamp		Gas lamp		Electric lighting	
	%	SE	%	SE	%	SE	%	SE
CAB	23.3	6.67	64.6	6.50	1.4	0.81	10.7	4.84
GAZ	2.2	0.90	59.2	6.50	4.2	1.17	34.5	6.87
INH	5.3	1.76	76.2	6.68	1.7	0.93	16.8	6.95
MAC	0.8	0.54	36.3	4.32	2.0	0.66	60.9	4.01
MAN	5.7	1.43	70.9	5.25	1.8	0.81	21.5	4.97
MAP	1.7	0.96	44.3	6.15	1.6	0.73	52.4	6.44
NAM	10.9	3.93	67.2	5.02	1.3	0.55	20.6	4.96
NIA	8.2	2.10	61.2	4.30	2.4	1.30	28.1	4.73
SOF	5.1	2.04	60.5	4.08	3.5	1.34	30.9	4.97
TET	11.7	2.70	58.3	5.57	3.1	1.50	26.9	6.43
ZAM	7.4	2.37	72.3	5.52	1.6	0.80	18.7	6.11
<b>MOZAMBIQUE</b>	5.9	0.70	58.6	1.77	2.2	0.28	33.4	1.82

## APPENDIX 13

### PERCENTAGES AND SAMPLING ERRORS FOR THE LIGHTING IN PUPILS' HOMES IN SACMEQ COUNTRIES

Region	No light		Candle/Oil Lamp		Gas lamp		Electric lighting	
	%	SE	%	SE	%	SE	%	SE
<b>Botswana</b>	3.8	0.71	70.1	1.82	2.4	0.29	23.7	1.80
<b>Kenya</b>	4.1	0.67	76.6	2.16	2.5	0.38	16.7	2.10
<b>Lesotho</b>	2.2	0.40	88.2	1.35	2.6	0.45	7.0	1.12
<b>Malawi</b>	1.6	0.29	82.3	2.33	1.8	0.37	14.3	2.26
<b>Mauritius</b>	0.1	0.06	0.2	0.09	0.1	0.06	99.6	0.14
<b>Mozambique</b>	5.9	0.70	58.6	1.77	2.2	0.28	33.4	1.82
<b>Namibia</b>	15.8	1.27	52.0	1.62	2.6	0.31	29.6	1.32
<b>Seychelles</b>	0.2	0.12	1.1	0.26	0.5	0.19	98.2	0.35
<b>South Africa</b>	3.3	0.60	26.5	2.73	2.7	0.40	67.5	2.94
<b>Swaziland</b>	0.7	0.21	71.9	2.41	1.9	0.29	25.6	2.40
<b>Tanzania</b>	8.6	1.15	69.4	2.51	1.4	0.28	20.6	2.53
<b>Uganda</b>	12.2	1.42	73.1	2.20	3.7	0.59	11.0	1.83
<b>Zambia</b>	8.8	0.93	64.7	2.27	2.2	0.38	24.3	2.39
<b>Zanzibar</b>	2.5	0.36	67.2	0.96	2.2	0.37	28.2	0.91
<b>SACMEQ</b>	<b>4.98</b>		<b>57.2</b>		<b>2.05</b>		<b>35.6</b>	

## APPENDIX 14

### PERCENTAGES AND SAMPLING ERRORS FOR THE MOZAMBICAN AVAILABILITY OF CLASSROOM RESOURCES FOR THE TEACHERS

Resources	Reading teacher		Mathematics teacher	
	%	SE	%	SE
A usable writing board	98.0	0.79	96.5	1.70
Chalk	95.7	1.55	94.2	1.89
A wall chart of any kind	17.8	2.63	18.5	2.60
A cupboard	18.2	2.63	19.2	2.54
One or more bookshelves	8.9	2.29	6.8	1.47
A classroom library or book corner	24.6	3.09	24.6	2.87
A teacher table	70.7	3.26	69.9	3.45
A teacher chair	70.7	3.19	69.3	3.43

Source: Passos, Nahara, Magaia and Lauchande, 2005, p.51.

## APPENDIX 16

### PERCENTAGES AND SAMPLING ERRORS FOR *SHORTAGES* OF BASIC CLASSROOM MATERIALS: EXERCISE BOOKS, NOTEBOOK AND PENCIL IN MOZAMBIQUE

Region	Exercise books		Notebook		Pencil	
	%	SE	%	SE	%	SE
Cabo Delgado	8.5	3.65	66.0	4.73	31.0	3.32
Gaza	9.7	2.54	73.9	3.17	23.8	3.53
Inhambane	11.2	2.67	58.3	3.69	12.6	3.57
Maputo Cidade	1.3	0.54	80.5	3.32	16.1	5.32
Manica	12.6	2.39	46.6	5.86	15.0	2.45
Maputo Provincia	12.3	2.71	73.0	3.24	14.0	3.38
Nampula	3.7	1.14	57.3	6.54	21.7	5.40
Niassa	7.9	2.04	61.6	4.71	31.0	4.21
Sofala	0.5	0.34	54.7	3.89	3.3	1.26
Tete	2.7	1.15	52.6	4.12	17.3	3.66
Zambézia	2.0	1.02	63.6	4.35	28.0	5.29
<b><i>Mozambique</i></b>	<b>5.7</b>	<b>0.52</b>	<b>65.1</b>	<b>1.50</b>	<b>18.6</b>	<b>1.49</b>



## APPENDIX 17

### PERCENTAGES AND SAMPLING ERRORS FOR *SHORTAGES* OF BASIC CLASSROOM MATERIALS: ERASER, PEN, AND RULER IN MOZAMBIQUE

Region	Eraser		Pen		Ruler	
	%	SE	%	SE	%	SE
Cabo Delgado	53.7	3.25	11.1	2.15	38.8	4.97
Gaza	50.0	3.81	17.4	3.44	33.5	3.96
Inhambane	40.0	6.51	12.4	2.02	20.2	3.48
Maputo Cidade	34.8	4.73	7.2	1.60	30.1	4.09
Manica	45.1	4.14	2.8	0.84	20.5	3.76
Maputo Provincia	39.9	5.78	10.2	2.97	25.5	3.10
Nampula	52.4	5.62	6.7	1.46	34.1	5.19
Niassa	70.9	4.05	12.9	3.48	53.9	3.64
Sofala	22.3	3.24	3.0	1.20	13.5	2.91
Tete	37.3	2.98	11.0	3.75	25.9	2.82
Zambézia	62.2	5.07	6.3	1.54	49.7	4.46
<b>Mozambique</b>	44.6	1.57	8.8	0.68	31.0	1.35

## APPENDIX 18

### PERCENTAGES AND SAMPLING ERRORS FOR AVAILABILITY OF CLASSROOM RESOURCES FOR THE TEACHERS IN SACMEQ COUNTRIES

Count Resources	A usable writing board		Chalk		A wall chart of any kind		A cupboard		One or more bookshelves		Class library or book corner		A teacher table		A teacher chair	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>READING TEACHERS</b>																
<b>BOT</b>	94.2	1.54	93.9	1.56	72.5	2.71	54.9	2.91	69.4	2.97	81.2	2.50	88.9	2.12	87.8	2.27
<b>KEN</b>	98.9	0.67	98.7	0.76	66.2	3.98	15.8	3.07	7.0	2.40	44.9	4.27	62.2	4.08	65.8	4.04
<b>LES</b>	95.7	1.34	98.3	0.87	78.7	3.16	90.3	2.30	41.6	4.03	54.0	4.01	86.1	2.60	87.7	2.34
<b>MAL</b>	94.5	1.99	96.4	1.57	58.2	4.54	51.2	4.65	17.6	3.32	20.4	3.85	47.9	4.58	50.5	4.65
<b>MAU</b>	89.7	1.94	89.7	1.94	73.9	2.65	84.6	2.29	26.2	2.77	65.9	2.93	88.4	2.04	88.2	2.04
<b>MOZ</b>	98.0	0.79	95.7	1.55	17.8	2.63	18.2	2.63	8.9	2.29	24.6	3.09	70.7	3.26	70.7	3.19
<b>NAM</b>	97.0	1.11	96.0	1.26	56.6	3.03	59.7	3.08	29.9	2.81	45.7	3.11	69.6	2.89	68.1	2.84
<b>SEY</b>	94.7	0.52	97.0	0.41	97.0	0.41	91.6	0.53	94.7	0.52	74.1	0.70	97.0	0.41	97.0	0.41
<b>SOU</b>	96.6	1.53	99.2	0.42	84.8	2.90	69.2	3.72	38.2	4.30	62.5	4.20	88.5	2.71	87.1	2.85
<b>SWA</b>	98.1	1.07	99.6	0.42	79.3	3.55	54.4	4.43	33.6	4.12	45.6	4.43	84.9	2.90	87.9	2.62
<b>TAN</b>	96.9	1.16	94.9	1.52	57.6	3.94	16.3	3.13	13.5	2.76	7.0	1.85	34.8	3.92	38.1	4.03
<b>UGA</b>	85.1	3.11	89.8	2.60	66.1	4.32	16.8	2.86	8.7	2.23	23.4	3.41	59.0	4.34	75.8	3.67
<b>ZAM</b>	87.9	2.59	85.4	2.83	75.7	3.52	14.1	2.55	11.1	2.56	45.3	4.91	54.4	4.46	52.6	4.61
<b>ZAN</b>	95.1	0.26	91.1	0.38	22.2	0.35	8.3	0.48	5.7	0.20	35.9	0.43	65.3	0.54	69.5	0.43
<b>SAC</b>	<b>94.4</b>		<b>94.6</b>		<b>64.7</b>		<b>46.1</b>		<b>29.0</b>		<b>45.0</b>		<b>71.2</b>		<b>73.3</b>	
<b>MATHEMATICS TEACHERS</b>																
<b>KEN</b>	97.1	1.12	96.9	1.16	64.0	4.00	14.9	2.64	7.2	1.91	34.4	3.99	61.9	3.73	64.9	3.90
<b>MAL</b>	94.7	2.01	94.9	1.88	63.1	4.46	48.4	4.63	17.5	3.35	18.8	3.71	49.1	4.70	51.4	4.72
<b>MOZ</b>	96.5	1.70	94.2	1.89	18.5	2.60	19.2	2.54	6.8	1.47	24.6	2.87	69.9	3.45	69.3	3.43
<b>NAM</b>	94.6	1.64	94.1	1.44	63.2	2.99	62.8	2.98	26.4	2.74	40.9	3.03	69.3	2.78	67.0	2.82
<b>SEY</b>	93.4	0.45	91.8	0.45	91.8	0.45	86.2	0.59	93.4	0.45	60.1	0.77	93.4	0.45	93.4	0.45
<b>SOU</b>	98.2	1.02	98.6	0.88	83.6	3.10	68.3	3.87	36.6	4.11	52.4	4.53	85.0	2.97	82.4	3.17
<b>SWA</b>	97.5	1.28	98.2	1.08	78.4	3.56	55.9	4.42	35.8	4.44	46.3	4.50	87.8	2.62	85.7	3.77
<b>TAN</b>	93.0	2.38	92.2	2.49	56.3	4.17	15.8	3.06	9.6	2.22	3.5	1.18	29.6	3.60	33.6	3.82
<b>UGA</b>	83.8	3.80	82.2	4.04	60.9	5.06	12.0	3.16	10.4	2.79	27.4	4.80	53.9	5.35	71.7	4.80
<b>ZAN</b>	92.9	0.28	90.4	0.35	27.3	0.41	7.1	0.31	6.4	0.35	29.7	0.36	57.8	0.48	64.4	0.56
<b>SAC</b>	<b>94.1</b>		<b>93.35</b>		<b>60.7</b>		<b>39.0</b>		<b>25.0</b>		<b>27.8</b>		<b>65.7</b>		<b>68.3</b>	

Source: SACMEQ database, 2004.

## APPENDIX 20

### PERCENTAGES AND SAMPLING ERRORS FOR SHORTAGES OF BASIC CLASSROOM MATERIALS: EXERCISE BOOKS, NOTEBOOK, AND PENCIL IN SACMEQ COUNTRIES

COUNTRIES	Exercise books		Notebook		Pencil	
	%	SE	%	SE	%	SE
Botswana	1.1	0.26	7.6	1.02	12.7	1.31
Kenya	4.0	0.93	28.7	2.13	7.2	1.04
Lesotho	4.0	0.88	6.9	1.14	10.3	1.09
Malawi	0.2	0.09	3.8	1.26	37.8	2.76
Mauritius	2.3	0.89	23.9	2.22	3.1	1.09
Mozambique	5.7	0.52	65.1	1.50	18.6	1.49
Namibia	4.1	0.69	21.1	1.48	19.1	1.20
Seychelles	7.7	0.68	30.6	1.14	6.8	0.64
South Africa	21.1	2.42	41.7	3.28	23.7	2.32
Swaziland	1.1	0.36	8.7	1.74	8.4	1.42
Tanzania	3.4	0.54	56.6	2.26	14.2	1.17
Uganda	9.3	1.11	39.7	2.13	18.5	1.49
Zambia	12.0	1.51	58.4	3.04	24.6	1.92
Zanzibar	10.6	0.68	53.8	1.05	10.0	0.67
<b>SACMEQ</b>	<b>6.18</b>		<b>31.9</b>		<b>15.3</b>	

## APPENDIX 21

### PERCENTAGES AND SAMPLING ERRORS FOR SHORTAGES OF BASIC CLASSROOM MATERIALS: ERASER, PEN, AND RULER IN SACMEQ COUNTRIES

COUNTRIES	Eraser		Pen		Ruler	
	%	SE	%	SE	%	SE
Botswana	34.7	1.82	13.0	1.16	18.2	1.42
Kenya	32.4	1.71	16.4	1.44	18.7	1.36
Lesotho	37.2	2.07	11.6	1.05	14.0	1.21
Malawi	65.9	2.21	7.3	0.95	42.8	2.05
Mauritius	4.9	1.16	12.5	1.34	6.9	1.14
Mozambique	44.6	1.57	8.8	0.68	31.0	1.35
Namibia	39.7	1.44	17.3	1.27	22.6	1.29
Seychelles	17.6	0.97	12.5	0.84	9.3	0.75
South Africa	37.9	2.52	24.7	2.46	23.6	2.29
Swaziland	32.4	1.80	5.4	0.63	13.2	1.14
Tanzania	29.7	2.01	6.7	0.94	26.7	1.78
Uganda	47.0	2.11	21.5	1.71	26.5	1.97
Zambia	52.2	3.22	23.9	2.16	47.5	2.99
Zanzibar	31.2	1.06	8.9	0.62	23.9	0.99
<b>SACMEQ</b>	<b>36.2</b>		<b>13.6</b>		<b>23.2</b>	



## APPENDIX 22

### PERCENTAGES AND SAMPLING ERRORS FOR SCHOOLS WITH GENERAL FACILITIES (SACMEQ II)

Facility	%														
	BOT	KEN	LES	MAL	MAU	MOZ	NAM	SEY	SOU	SWA	TAN	UGA	ZAM	ZAN	SAC
<b>School buildings</b>															
School library	30.0	26.7	32.1	36.2	90.8	27.2	66.1	100.0	33.2	21.0	20.2	93.6	36.5	35.7	<b>46.3</b>
School hall	26.9	19.3	22.4	5.5	11.6	8.7	15.5	15.8	33.3	29.4	4.2	20.1	12.5	9.4	<b>16.7</b>
Staff room	74.8	96.1	25.2	30.6	56.8	54.6	57.4	100.0	56.9	55.9	80.3	50.5	39.6	61.9	<b>60.0</b>
Sch. head's office	72.6	85.3	47.3	38.7	82.6	81.8	53.8	97.9	75.0	76.8	78.9	61.4	76.5	88.4	<b>72.6</b>
Store room	71.9	70.0	46.5	34.5	89.2	47.1	79.6	91.9	59.3	56.2	52.3	36.1	50.6	69.8	<b>61.0</b>
Cafeteria	5.2	7.9	2.9	0.9	36.6	48.0	14.4	70.4	22.4	10.1	7.0	13.5	9.2	3.8	<b>18.0</b>
<b>School grounds</b>															
Sports area/ playground	77.8	94.7	82.4	94.2	76.9	62.9	76.2	95.7	66.4	81.2	89.3	84.1	90.8	65.2	<b>81.2</b>
School garden	83.8	80.6	92.1	66.5	39.1	35.9	58.3	62.5	66.2	72.9	65.7	74.6	85.3	66.7	<b>67.8</b>
<b>General services</b>															
Piped water/ well or bore-hole	96.3	72.0	81.9	72.8	100.0	59.0	88.0	100.0	85.5	83.5	64.2	60.6	79.5	68.6	<b>79.4</b>
Electricity	52.0	16.8	11.1	7.7	100.0	58.5	57.0	100.0	77.1	47.0	15.5	14.7	42.7	37.9	<b>45.5</b>
Telephone	75.6	14.9	11.5	8.9	99.2	44.7	44.0	100.0	70.5	56.2	8.9	7.0	38.8	13.1	<b>42.3</b>
<b>Equipment</b>															
First-aid kit	65.7	35.4	28.1	9.8	94.4	8.7	25.6	75.9	51.1	53.6	26.1	39.1	23.1	49.7	<b>41.8</b>
Fax machine	3.3	0.9	1.6	4.5	3.3	2.4	24.1	10.1	43.1	5.0	4.5	2.5	6.2	7.7	<b>8.51</b>
Typewriter	7.8	25.9	3.0	4.7	41.2	80.3	70.5	54.3	73.1	71.4	9.3	28.7	37.1	22.5	<b>37.8</b>
Duplicator	30.9	9.9	1.4	3.9	27.9	34.0	50.0	9.1	63.9	64.9	7.9	21.1	29.8	3.5	<b>25.5</b>
Radio	94.9	63.1	92.1	10.4	95.0	11.0	33.6	100.0	48.4	11.0	14.7	49.4	13.7	8.2	<b>46.1</b>
Tape recorder	52.7	14.1	36.6	2.0	76.3	2.6	48.5	100.0	42.1	4.8	1.1	11.7	2.5	5.6	<b>28.6</b>
Overhead projector	3.3	0.0	0.0	1.5	1.5	1.6	36.0	3.1	45.5	3.7	2.1	1.4	2.5	2.8	<b>7.5</b>
Television set	9.6	4.3	0.0	0.0	98.6	2.6	18.7	100.0	37.3	6.4	0.6	4.1	2.7	1.0	<b>20.4</b>
Video-cassette recorder	9.2	1.7	0.5	0.0	96.6	1.4	17.7	90.2	34.4	4.0	0.0	2.8	2.7	1.4	<b>18.7</b>
Photocopier	25.1	1.3	1.7	0.0	26.3	4.4	33.0	96.4	48.5	27.3	0.0	0.9	2.5	1.2	<b>19.1</b>
Computer	11.7	3.2	0.8	0.0	97.2	10.6	23.5	97.8	39.5	11.0	2.1	4.2	2.3	1.4	<b>21.8</b>

Source: SACMEQ II database, 2004.



## APPENDIX 23

### TOTAL SCHOOL RESOURCES INDEX IN SACMEQ COUNTRIES

<b>Region</b>	<b>Mean</b>	<b>SE</b>
Botswana	9.8	0.2
Kenya	7.4	0.2
Lesotho	6.2	0.2
Malawi	4.3	0.2
Mauritius	14.4	
Mozambique	6.9	0.2
Namibia	9.9	0.3
Seychelles	16.7	0.0
South Africa	11.7	0.5
Swaziland	8.5	0.3
Tanzania	5.5	0.2
Uganda	6.8	0.3
Zambia	6.9	0.40
Zanzibar	6.3	0.0
<b>SACMEQ</b>	<b>8.2</b>	

## APPENDIX 24

### PERCENTAGE OF TEACHERS, MEANS SCORES AND ATTAINED READING LEVELS OF MOZAMBICAN READING TEACHERS

PROV	Levels																	
	Mean		1		2		3		4		5		6		7		8	
	Mean	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>CAB</b>	687.5	19.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.8	8.93	13.1	8.64	27.5	7.84	48.5	11.44
<b>GAZ</b>	712.7	16.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.1	9.54	26.8	8.21	56.1	11.09
<b>INH</b>	666.6	28.07	0.00	0.00	0.00	0.00	0.00	0.00	9.7	9.72	10.3	7.46	4.2	4.19	40.1	10.93	35.7	13.04
<b>MAP</b>	737.8	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.4	5.33	35.8	7.97	57.8	8.59
<b>MAN</b>	713.0	16.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.7	2.57	8.5	7.27	35.6	10.71	52.2	12.53
<b>MAP</b>	754.5	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.3	9.70	71.7	9.70
<b>NAM</b>	740.2	12.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.7	0.46	31.9	8.12	66.4	8.14
<b>NIA</b>	716.2	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.4	1.03	51.9	8.46	43.7	8.47
<b>SOF</b>	714.5	15.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.9	4.32	40.7	7.83	48.4	9.19
<b>TET</b>	711.1	11.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.6	9.89	39.4	9.89
<b>ZAM</b>	685.3	10.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.3	8.60	41.2	10.35	35.5	9.38
<b>MOZ</b>	<b>716.2</b>	<b>5.14</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.0</b>	<b>1.02</b>	<b>1.7</b>	<b>0.89</b>	<b>8.1</b>	<b>1.82</b>	<b>37.1</b>	<b>2.98</b>	<b>52.0</b>	<b>3.25</b>

Source: SACMEQ database, 2004.

## APPENDIX 25

### PERCENTAGE OF TEACHERS, MEANS SCORES AND ATTAINED READING LEVELS OF REGIONAL READING TEACHERS IN SACMEQ COUNTRIES

Country	Levels																	
	Mean		1		2		3		4		5		6		7		8	
	Mean	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	757.7	3.69	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.3	0.26	0.2	0.21	17.5	2.03	82.0	2.02
<b>KEN</b>	794.4	4.84	0.0	0.00	0.0	0.00	0.1	0.08	0.0	0.00	0.0	0.00	0.0	0.00	6.4	1.88	93.5	1.88
<b>LES</b>	722.0	4.37	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.8	0.80	3.1	1.03	36.3	3.89	59.8	3.90
<b>MAL</b>	715.4	5.81	0.0	0.00	0.0	0.00	0.0	0.00	1.4	1.13	0.9	0.67	3.3	1.71	35.9	4.57	58.4	4.67
<b>MOZ</b>	716.2	5.14	0.0	0.00	0.0	0.00	0.0	0.00	1.0	1.02	1.7	0.89	8.1	1.82	37.1	2.98	52.0	3.25
<b>NAM</b>	727.9	4.70	0.4	0.38	0.0	0.00	0.2	0.22	0.0	0.00	1.7	0.76	4.8	1.28	34.1	3.08	58.8	3.14
<b>SEY</b>	807.5	1.14	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	5.8	0.53	94.2	0.53
<b>SWA</b>	748.8	5.49	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.8	0.58	2.6	1.61	20.5	3.31	76.0	3.60
<b>TAN</b>	706.7	3.37	0.0	0.00	0.0	0.00	0.0	0.00	0.2	0.18	0.0	0.00	2.6	1.18	51.1	4.15	46.1	4.15
<b>UGA</b>	695.8	8.61	0.0	0.00	0.0	0.00	1.6	0.77	8.9	2.37	6.6	1.95	3.9	1.43	21.9	3.65	57.1	4.06
<b>ZAM</b>	760.1	5.18	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	1.9	0.98	15.7	2.61	82.4	2.78
<b>ZAN</b>	653.7	0.80	0.5	0.00	0.0	0.00	1.6	0.00	0.5	0.00	4.5	0.28	19.4	0.38	54.4	0.63	19.1	0.58
<b>SAC</b>	<b>733.8</b>		<b>0.07</b>		<b>0</b>		<b>0.29</b>		<b>1</b>		<b>1.44</b>		<b>4.15</b>		<b>28.05</b>		<b>64.95</b>	

Source: SACMEQ database, 2004

## APPENDIX 27

### PERCENTAGE OF PUPILS, MEANS SCORES, SAMPLING ERROR AND ATTAINED READING LEVELS OF REGIONAL READING PUPILS

S.Syst	Levels																	
	Mean		1		2		3		4		5		6		7		8	
	Mean	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	521.1	3.47	2.8	0.29	7.7	0.57	15.7	0.83	23.0	0.89	24.1	0.88	14.0	0.83	9.5	0.70	3.2	0.75
<b>KEN</b>	546.5	4.97	1.0	0.27	4.6	0.66	10.8	1.02	20.4	1.24	25.3	1.09	19.2	1.18	13.6	1.18	5.1	0.81
<b>LES</b>	451.2	2.93	5.6	0.67	23.8	1.49	33.8	1.14	24.2	1.34	8.7	0.82	2.5	0.38	1.3	0.31	0.3	0.15
<b>MAL</b>	428.9	2.37	11.3	1.08	33.2	1.58	33.6	1.36	16.2	1.38	4.3	0.58	1.2	0.24	0.2	0.09	0.0	0.00
<b>MAU</b>	536.4	5.51	6.6	0.62	12.1	0.91	13.7	0.84	14.5	0.81	14.7	0.84	12.1	0.80	16.0	1.03	10.3	1.10
<b>MOZ</b>	516.7	2.29	2.3	0.32	3.9	0.45	11.2	0.73	28.8	1.07	32.7	1.49	16.1	1.23	5.0	0.60	0.1	0.08
<b>NAM</b>	448.8	3.13	12.8	0.77	30.6	1.03	26.6	0.82	14.3	0.78	6.0	0.48	3.6	0.29	3.9	0.51	2.2	0.41
<b>SEY</b>	582.0	3.10	3.0	0.44	7.4	0.67	8.8	0.74	12.8	0.86	14.6	0.91	15.0	0.93	21.8	1.07	16.7	0.93
<b>SOU</b>	492.3	9.00	12.2	1.21	18.8	1.26	19.1	1.26	16.0	1.29	9.4	0.99	7.0	0.81	10.9	2.32	6.6	1.10
<b>SWA</b>	529.6	3.74	0.3	0.12	1.7	0.38	10.9	0.93	31.7	1.61	31.4	1.39	15.3	1.10	6.9	0.82	1.8	0.65
<b>TAN</b>	545.9	5.03	2.8	0.41	5.5	0.66	9.4	0.94	18.9	1.14	21.4	0.95	20.6	1.13	18.8	1.62	2.7	0.46
<b>UGA</b>	482.4	6.12	7.2	0.82	18.3	1.61	21.8	1.41	21.5	1.35	14.8	1.31	8.2	1.14	5.3	1.00	2.9	0.91
<b>ZAM</b>	440.1	4.47	19.9	1.47	27.8	1.24	20.9	0.94	14.2	0.98	7.9	0.79	5.6	0.87	2.9	0.63	0.9	0.33
<b>ZAN</b>	478.2	1.49	6.0	0.52	13.8	0.83	21.4	0.98	27.0	1.04	20.5	0.98	9.3	0.68	1.9	0.34	0.0	0.00
<b>SAC</b>	<b>500.0</b>		<b>6.7</b>		<b>14.9</b>		<b>18.4</b>		<b>20.2</b>		<b>16.8</b>		<b>10.6</b>		<b>8.42</b>		<b>3.77</b>	

Source: SACMEQ database, 2004.

## APPENDIX 29

### PERCENTAGE AND SAMPLING ERROR OF MOZAMBICAN TEACHERS AND PUPIL PERFORMANCE IN READING IN DIFFERENT LEVELS OF COMPETENCY

Levels of competency (MOZ)	Levels															
	1		2		3		4		5		6		7		8	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>Teachers Reading</b>	0.00	0.00	0.00	0.00	0.00	0.00	1.0	1.02	1.7	0.89	8.1	1.82	37.1	2.98	52.0	3.25
<b>Pupils Reading</b>	2.3	0.32	3.9	0.45	11.2	0.73	28.8	1.07	32.7	1.49	16.1	1.23	5.0	0.60	0.1	0.08

Source: SACMEQ database, 2004.

**APPENDIX 30**

**MEAN SCORES AND SAMPLING ERROR OF READING PUPILS AND  
TEACHERS OF SACMEQ COUNTRIES**

Prov	Pupils and Teachers performance on all items			
	Reading			
	Pupils		Teachers	
	Mean	SE	Mean	SE
<b>BOT</b>	521.1	3.47	757.7	3.69
<b>KEN</b>	546.5	4.97	794.4	4.84
<b>LES</b>	451.2	2.93	722.0	4.37
<b>MAL</b>	428.9	2.37	715.4	5.81
<b>MAU</b>	536.4	5.51		
<b>MOZ</b>	516.7	2.29	716.2	5.14
<b>NAM</b>	448.8	3.13	727.9	4.70
<b>SEY</b>	582.0	3.10	807.5	1.14
<b>SOU</b>	492.3	9.00		
<b>SWA</b>	529.6	3.74	748.8	5.49
<b>TAN</b>	545.9	5.03	706.7	3.37
<b>UGA</b>	482.4	6.12	695.8	8.61
<b>ZAM</b>	440.1	4.47	760.1	5.18
<b>ZAN</b>	478.2	1.49	653.7	0.80
<b>SAC</b>	<b>500.0</b>		<b>733.8</b>	

Source: SACMEQ database, 2004.

## APPENDIX 31

### PERCENTAGE AND SAMPLING ERROR OF SACMEQ TEACHERS AND PUPIL PERFORMANCE IN READING AT DIFFERENT LEVELS OF COMPETENCY

Levels of competency (SAC)	Levels															
	1		2		3		4		5		6		7		8	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>Teachers Reading</b>	0.07	0.03	0	0	0.29	0.08	1	0.39	1.44	0.51	4.15	0.96	28.05	2.77	64.95	2.88
<b>Pupils Reading</b>	6.7	0.64	14.9	0.95	18.4	0.99	20.2	1.12	16.8	0.96	10.6	0.82	8.42	0.87	3.77	0.54

Source: SACMEQ database, 2004.



## APPENDIX 32

### PERCENTAGE OF PUPILS, MEANS SCORES AND ATTAINED READING ON THE COMBINED CATEGORY COMPETENCE LEVELS BY GENDER, SES AND SCHOOL LOCATION OF MOZAMBICAN READING PUPILS

Category level										
Sub-groups	Mean		1		2		3		4	
	Mean	SE	%		%		%		%	
<b>Gender</b>										
Boys	518.4	2.59	17.7		59.9		22.2		0.2	
Girls	514.1	2.60	16.8		63.8		19.4		0.0	
<b>Socio Economic Status</b>										
Low SES	510.5	2.77	19.1		63.1		17.6		0.2	
Higher SES	523.0	2.68	15.7		59.7		24.6		0.0	
<b>School Location</b>										
Isolated /Rural	502.3	5.93	22.9		61.9		15.2		0.0	
Small Town	510.5	3.73	19.3		62.6		18		0.1	
Large City	533.3	4.22	11.7		59		29.3		0.0	
<b>Mozambique</b>	<b>516.7</b>	<b>2.29</b>	<b>17.5</b>		<b>61.4</b>		<b>20.9</b>		<b>0.1</b>	

Source: SACMEQ database, 2004.

## APPENDIX 33

### MEANS AND SAMPLING ERROR OF PUPIL PERFORMANCE IN READING OF REGIONAL PUPILS BY GENDER

School System	Gender			
	Reading			
	Boys		Girls	
	Mean	SE	Mean	SE
<b>BOT</b>	507.2	3.93	534.4	3.60
<b>KEN</b>	546.4	5.41	546.6	5.43
<b>LES</b>	446.7	3.15	454.8	3.19
<b>MAL</b>	431.9	2.77	425.6	2.60
<b>MAU</b>	523.1	6.08	550.7	5.68
<b>MOZ</b>	518.4	2.59	514.1	2.60
<b>NAM</b>	446.0	3.51	451.3	3.23
<b>SEY</b>	549.7	4.42	614.2	4.21
<b>SOU</b>	478.3	7.96	504.8	10.28
<b>SWA</b>	525.0	4.16	533.9	3.80
<b>TAN</b>	554.3	5.72	538.2	5.33
<b>UGA</b>	479.6	5.71	485.9	8.31
<b>ZAM</b>	439.8	4.96	440.7	4.69
<b>ZAN</b>	479.1	2.34	477.4	2.19
<b>SAC</b>	<b>494.6</b>		<b>505.1</b>	

Source: SACMEQ database, 2004.



**APPENDIX 34**

**PERCENTAGE OF READING PUPILS RESULTS BY GENDER ON THE  
COMBINED READING COMPETENCE LEVEL**

Sch. Syst.	Category level															
	Boys								Girls							
	1		2		3		4		1		2		3		4	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	34.1		42.9		19.8		3.1		18.6		51		27.2		3.2	
<b>KEN</b>	17.7		43.3		34.1		5		15.2		48.2		31.5		5.1	
<b>LES</b>	66.8		35.9		3.6		0.3		60.2		33.2		2.5		0.1	
<b>MAL</b>	75.5		22.5		2		0		80.9		18.4		0.8		0	
<b>MAU</b>	39.2		26		25.1		9.7		25.2		32.5		31.4		10.9	
<b>MOZ</b>	17.7		59.9		22.2		0.2		16.8		63.8		19.4		0	
<b>NAM</b>	71.8		18.8		7.3		2		68.2		21.7		7.6		2.4	
<b>SEY</b>	27.3		29.6		31.8		11.4		10.9		25.3		41.8		21.9	
<b>SOU</b>	54.1		26.4		14.5		5.1		46.5		24.5		21		7.9	
<b>SWA</b>	14.9		63		20.3		1.8		11		63.1		23.9		1.9	
<b>TAN</b>	16.4		37.7		42.5		3.5		19		42.5		36.5		2.1	
<b>UGA</b>	48.3		36.3		13.6		1.8		46		36.2		13.4		4.3	
<b>ZAM</b>	67.8		23.6		8		0.6		69.4		20.5		9		1.2	
<b>ZAN</b>	41.8		46.7		11.5		0		40.8		48.2		11.1		0	
<b>SAC</b>	<b>42.3</b>		<b>36.6</b>		<b>18.3</b>		<b>3.1</b>		<b>37.7</b>		<b>37.7</b>		<b>19.7</b>		<b>4.3</b>	

Source: SACMEQ database, 2004.

## APPENDIX 35

### MEANS AND SAMPLING ERROR OF PUPIL PERFORMANCE IN READING BY SOCIO-ECONOMIC STATUS

Countries	Socio Economic Status			
	Reading			
	Low	SES	High	SES
	Mean	SE	Mean	SE
<b>BOT</b>	502.5	2.73	543.6	5.84
<b>KEN</b>	525.3	4.58	577.5	6.61
<b>LES</b>	449.2	2.98	454.5	4.48
<b>MAL</b>	422.9	2.51	440.7	3.27
<b>MAU</b>	508.3	5.03	555.1	6.69
<b>MOZ</b>	510.5	2.77	523.0	2.68
<b>NAM</b>	421.5	1.72	486.1	5.98
<b>SEY</b>	561.8	4.68	594.4	4.10
<b>SOU</b>	440.2	4.87	543.6	12.91
<b>SWA</b>	519.1	2.76	541.0	5.79
<b>TAN</b>	528.8	4.83	575.2	6.72
<b>UGA</b>	472.3	5.84	495.5	8.49
<b>ZAM</b>	423.6	6.91	456.5	5.93
<b>ZAN</b>	468.1	1.87	492.2	2.66
<b>SAC</b>	<b>482.4</b>		<b>519.9</b>	

Source: SACMEQ database, 2004.

## APPENDIX 36

### PERCENTAGE OF READING PUPILS RESULTS BY SOCIO-ECONOMIC STATUS ON THE COMBINED READING COMPETENCE LEVEL

Sch. Syst.	Reading Socio-Economic Status															
	Low SES								Higher SES							
	1		2		3		4		1		2		3		4	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	30.9		50		18.6		0.5		20.5		43.6		29.5		6.4	
<b>KEN</b>	20.8		51.3		26.2		1.8		10		37.7		42.4		10	
<b>LES</b>	64.3		33.2		2.5		0.1		61.3		32.3		5.9		0.5	
<b>MAL</b>	81.7		17.4		1		0		71.1		26.7		2.2		0	
<b>MAU</b>	39.4		33.2		21.6		5.8		27.9		26.4		32.5		13.3	
<b>MOZ</b>	19.1		63.1		17.6		0.2		15.7		59.7		24.6		0	
<b>NAM</b>	82.6		15.8		1.4		0.1		52.8		26.4		15.6		5.1	
<b>SEY</b>	20.5		30.4		40.7		8.3		18.3		25.5		34.4		21.8	
<b>SOU</b>	67.4		25.1		6.7		0.7		33		25.7		28.9		12.4	
<b>SWA</b>	13.4		68.7		17.5		0.5		12.5		56.9		27.4		3.3	
<b>TAN</b>	23.3		42		32.7		1.9		7.9		37.2		50.8		4.1	
<b>UGA</b>	51.1		37.4		9.9		1.7		42.4		34.9		18.1		4.6	
<b>ZAM</b>	76.8		16.9		6		0.2		60.5		27.2		10.9		1.5	
<b>ZAN</b>	46.8		44.8		8.4		0		33.5		51.2		15.3		0	
<b>SAC</b>	<b>45.5</b>		<b>37.8</b>		<b>15.0</b>		<b>1.5</b>		<b>33.3</b>		<b>36.5</b>		<b>24.1</b>		<b>5.9</b>	

Source: SACMEQ database, 2004.

## APPENDIX 37

### MEANS AND SAMPLING ERROR OF PUPILS' PERFORMANCE IN READING BY SCHOOL LOCATION

Sch Syst	School location					
	Reading					
	Isolated/Rural		Small Town		Large Town	
	Mean	SE	Mean	SE	Mean	SE
BOT	502.4	3.48	525.5	7.91	549.6	8.26
KEN	530.8	5.42	559.0	12.46	606.4	13.56
LES	441.3	3.33	461.9	5.08	482.1	10.12
MAL	423.5	2.70	429.8	5.53	455.8	8.51
MAU	531.3	6.49	530.3	17.25	544.3	10.31
MOZ	502.3	5.93	510.5	3.73	533.3	4.22
NAM	417.6	1.92	470.3	9.51	539.7	11.90
SEY	576.1	7.62	572.6	4.58	596.7	5.05
SOU	426.6	5.13	482.9	14.57	600.4	16.70
SWA	517.8	3.27	552.2	11.03	562.2	13.16
TAN	525.1	4.41	598.6	9.65	597.2	9.95
UGA	475.0	6.69	508.8	16.94	520.9	30.76
ZAM	410.6	3.42	444.9	6.22	480.5	8.51
ZAN	468.3	1.61	478.4	3.98	501.8	3.85
<b>SAC</b>	<b>482.0</b>		<b>508.9</b>		<b>540.7</b>	

## APPENDIX 38

### PERCENTAGE OF READING PUPILS RESULTS BY SCHOOL LOCATION ON THE COMBINED READING COMPETENCE LEVEL

Country	Reading								School location							
	Isolated/Rural								Large Town							
	1		2		3		4		1		2		3		4	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	31		50.1		18.2		0.7		17.8		43.5		32.7		6.1	
<b>KEN</b>	18.3		51.9		27.4		2.5		8.4		28.3		45.8		17.4	
<b>LES</b>	70.6		27		2.3		0.2		43.6		45.6		9.4		1.3	
<b>MAL</b>	82.2		17.1		0.6		0		58.3		37.5		4.4		0	
<b>MAU</b>	32		31.3		28.3		8.3		32.5		25.7		28.8		13	
<b>MOZ</b>	22.9		61.9		15.2		0		11.7		59		29.3		0	
<b>NAM</b>	84.2		15.1		0.7		0		30.7		32.2		26.7		10.3	
<b>SEY</b>	19.7		25.7		43.5		11		17		25.5		34.5		22.9	
<b>SOU</b>	74.3		22.4		3		0.2		15.5		23.7		42.4		18.4	
<b>SWA</b>	14.7		67.2		17.5		0.5		8.7		51.5		32.9		7	
<b>TAN</b>	23.4		44.2		31.3		1.1		3.1		32.5		56.2		8.1	
<b>UGA</b>	50.3		36.7		10.1		2.9		34.4		28.6		34		2.9	
<b>ZAM</b>	83.1		15.1		1.7		0.1		48.4		31		18.2		2.3	
<b>ZAN</b>	46.6		43.8		9.5		0		28.7		53.1		18.2		0	
<b>SAC</b>	<b>46.6</b>		<b>36.3</b>		<b>14.9</b>		<b>1.9</b>		<b>25.6</b>		<b>36.9</b>		<b>29.5</b>		<b>7.8</b>	

Source: SACMEQ database, 2004.

## APPENDIX 39

### PERCENTAGE OF TEACHERS, MEANS SCORES AND ATTAINED MATHEMATICS LEVELS OF MOZAMBICAN MATHEMATICS TEACHERS

PROV	Levels																	
	Mean		1		2		3		4		5		6		7		8	
	Mean	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>CAB</b>	750.8	12.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.0	1.51	23.1	11.52	59.3	11.58	10.6	4.68
<b>GAZ</b>	805.7	30.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.4	6.42	11.2	7.30	44.0	11.57	36.4	11.82
<b>INH</b>	769.2	32.33	0.00	0.00	0.00	0.00	2.7	2.77	11.0	11.13	1.4	1.43	10.0	7.12	33.9	12.81	40.8	14.81
<b>MAP</b>	817.6	17.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.7	2.72	11.9	7.29	45.2	7.92	40.2	8.29
<b>MAN</b>	776.7	16.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.8	11.17	48.9	11.44	25.3	11.48
<b>MAP</b>	778.5	23.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.7	1.29	20.2	8.84	41.3	12.22	28.8	10.79
<b>NAM</b>	837.1	29.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.3	6.45	51.9	10.38	38.7	10.09
<b>NIA</b>	769.7	15.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4	0.44	17.7	8.10	52.3	9.29	29.6	10.79
<b>SOF</b>	782.0	10.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.0	1.05	5.4	5.48	61.3	8.84	32.2	8.60
<b>TET</b>	744.9	13.40	0.00	0.00	0.00	0.00	0.00	0.00	7.9	6.02	2.2	0.75	10.8	3.63	59.1	9.06	20.0	8.69
<b>ZAM</b>	697.9	19.62	0.00	0.00	0.00	0.00	0.00	0.00	11.4	7.87	15.2	6.81	38.8	11.18	16.9	5.50	17.8	8.33
<b>MOZ</b>	<b>782.8</b>	<b>7.48</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.3</b>	<b>0.27</b>	<b>2.9</b>	<b>1.44</b>	<b>4.6</b>	<b>1.15</b>	<b>16.3</b>	<b>2.65</b>	<b>44.3</b>	<b>3.17</b>	<b>31.7</b>	<b>3.28</b>

Source: SACMEQ database, 2004.



## APPENDIX 40

### PERCENTAGE OF TEACHERS, MEANS SCORES AND ATTAINED MATHEMATICS LEVELS OF REGIONAL MATHEMATICS TEACHERS IN SACMEQ COUNTRIES

Country	Levels																	
	Mean		1		2		3		4		5		6		7		8	
	Mean	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	753.3	5.11	0.0	0.00	0.0	0.00	0.0	0.00	2.3	0.94	5.1	1.15	26.4	2.58	47.9	2.93	18.4	2.34
<b>KEN</b>	968.5	8.89	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.03	0.0	0.00	4.3	1.41	95.6	1.41
<b>LES</b>	739.4	5.55	0.0	0.00	0.0	0.00	1.3	0.97	0.4	0.41	8.6	2.20	27.5	3.55	51.5	3.84	10.6	2.29
<b>MAL</b>	776.0	8.72	0.0	0.00	0.0	0.00	0.0	0.00	1.8	1.16	6.9	2.50	10.5	2.66	51.3	4.79	29.4	4.48
<b>MOZ</b>	782.8	7.48	0.0	0.00	0.0	0.00	0.3	0.27	2.9	1.44	4.6	1.15	16.3	2.65	44.3	3.17	31.7	3.28
<b>NAM</b>	734.8	6.67	0.0	0.00	0.0	0.00	1.9	1.21	3.8	1.22	14.2	2.16	29.1	2.84	31.1	2.85	19.9	2.30
<b>SEY</b>	872.6	1.31	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	24.1	0.80	75.9	0.80
<b>SWA</b>	808.1	7.80	0.0	0.00	0.0	0.00	0.5	0.48	0.0	0.00	1.7	1.01	11.6	2.66	39.7	4.28	46.5	4.49
<b>TAN</b>	794.3	7.54	0.0	0.00	0.0	0.00	0.0	0.00	1.5	1.52	2.7	1.37	13.2	2.75	38.8	3.91	43.9	4.08
<b>UGA</b>	822.9	12.17	0.0	0.00	0.0	0.00	0.0	0.00	1.2	0.84	5.3	2.53	11.4	3.59	27.9	4.78	54.2	5.32
<b>ZAM</b>	759.1	7.25	0.0	0.00	0.0	0.00	0.6	0.38	3.7	1.28	4.2	1.21	22.7	3.11	40.5	4.06	28.3	4.99
<b>ZAN</b>	689.3	0.63	0.0	0.00	0.0	0.00	6.3	0.23	6.2	0.19	19.3	0.29	30.0	0.49	28.9	0.44	9.3	0.09
<b>SAC</b>	<b>791.7</b>		<b>0</b>		<b>0</b>		<b>0.90</b>		<b>1.98</b>		<b>6.05</b>		<b>16.55</b>		<b>35.85</b>		<b>38.64</b>	

Source: SACMEQ database, 2004.

## APPENDIX 41

### PERCENTAGE OF PUPILS, MEANS SCORES, SAMPLING ERROR AND ATTAINED MATHEMATICS LEVELS OF MOZAMBIKAN MATHEMATICS PUPILS

PROV	Levels																	
	Mean		1		2		3		4		5		6		7		8	
	Mean	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>CAB</b>	497.9	6.29	0.7	0.53	29.3	4.20	45.8	3.92	20.0	3.92	3.7	1.58	0.5	0.48	0.0	0.00	0.0	0.00
<b>GAZ</b>	525.7	7.66	0.3	0.33	14.1	4.11	43.5	4.84	33.4	5.65	7.9	2.11	0.5	0.53	0.2	0.21	0.0	0.00
<b>INH</b>	540.9	11.89	0.00	0.00	9.8	3.04	35.8	5.45	37.4	4.38	14.0	5.37	3.0	3.06	0.0	0.00	0.0	0.00
<b>MAP</b>	546.5	3.64	0.00	0.00	3.9	1.08	37.7	3.98	41.1	3.42	15.7	1.91	1.6	0.69	0.0	0.00	0.0	0.00
<b>MAN</b>	543.4	6.30	0.6	0.42	10.0	2.49	34.3	3.23	34.8	2.92	17.0	2.42	3.0	1.40	0.3	0.34	0.0	0.00
<b>MAP</b>	534.7	7.05	1.0	0.65	12.8	3.19	38.8	2.85	29.5	3.58	13.9	2.22	4.1	1.48	0.0	0.00	0.0	0.00
<b>NAM</b>	539.2	4.85	0.00	0.00	7.8	1.81	40.5	3.66	36.4	3.42	14.2	2.22	1.1	0.54	0.0	0.00	0.0	0.00
<b>NIA</b>	488.2	3.95	3.0	1.30	29.6	4.24	51.5	3.82	14.2	2.40	0.8	0.59	0.9	0.90	0.0	0.00	0.0	0.00
<b>SOF</b>	522.5	4.83	0.6	0.38	15.5	2.68	42.1	3.47	31.2	3.46	9.0	2.24	1.6	1.00	0.0	0.00	0.0	0.00
<b>TET</b>	510.7	4.86	0.7	0.46	17.6	2.48	52.6	3.56	22.8	3.54	5.3	1.73	0.6	0.46	0.3	0.30	0.0	0.00
<b>ZAM</b>	516.7	5.92	0.3	0.32	18.1	3.37	48.7	3.64	23.3	3.43	8.4	2.23	1.2	0.70	0.0	0.00	0.0	0.00
<b>MOZ</b>	<b>530.0</b>	<b>2.08</b>	<b>0.4</b>	<b>0.11</b>	<b>12.6</b>	<b>0.86</b>	<b>41.7</b>	<b>1.35</b>	<b>32.1</b>	<b>1.27</b>	<b>11.4</b>	<b>0.86</b>	<b>1.7</b>	<b>0.40</b>	<b>0.1</b>	<b>0.04</b>	<b>0.0</b>	<b>0.00</b>

Source: SACMEQ database, 2004.

## APPENDIX 42

### PERCENTAGE OF PUPILS, MEANS SCORES, SAMPLING ERROR AND ATTAINED MATHEMATICS LEVELS OF REGIONAL MATHEMATICS PUPILS

S.Syst	Levels																	
	Mean		1		2		3		4		5		6		7		8	
	Mean	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	512.9	3.15	3.3	0.45	25.8	1.10	35.8	0.92	19.6	0.83	10.2	0.67	3.8	0.49	1.2	0.37	0.2	0.13
<b>KEN</b>	563.3	4.64	0.6	0.17	10.1	0.90	30.7	1.59	25.7	1.07	17.9	1.02	10.4	1.03	3.3	0.48	1.3	0.36
<b>LES</b>	447.2	3.24	8.6	0.90	57.3	1.70	26.8	1.35	5.9	1.38	1.0	0.32	0.3	0.14	0.1	0.08	8.6	0.90
<b>MAL</b>	432.9	2.25	12.4	1.16	61.9	1.23	23.5	1.32	2.1	0.41	0.2	0.10	0.0	0.00	0.0	0.00	0.0	0.00
<b>MAU</b>	584.6	6.32	2.4	0.32	18.2	1.11	21.8	1.03	16.7	0.83	12.2	0.82	11.2	0.72	10.4	0.81	7.0	0.93
<b>MOZ</b>	530.0	2.08	0.4	0.11	12.6	0.86	41.7	1.35	32.1	1.27	11.4	0.86	1.7	0.40	0.1	0.04	0.0	0.00
<b>NAM</b>	430.9	2.94	19.6	0.83	57.0	1.10	14.9	0.77	3.5	0.36	2.0	0.33	2.1	0.44	0.7	0.22	0.1	0.06
<b>SEY</b>	554.3	2.68	2.6	0.41	20.0	1.03	24.2	1.11	19.7	1.03	13.8	0.89	13.3	0.86	5.0	0.56	1.5	0.31
<b>SOU</b>	486.1	7.19	7.8	0.77	44.4	2.32	23.8	1.37	8.8	0.96	6.1	1.47	5.8	1.09	2.1	0.46	1.3	0.48
<b>SWA</b>	516.5	3.41	0.8	0.33	21.3	1.22	44.3	1.10	21.8	1.13	8.6	0.79	2.4	0.38	0.7	0.26	0.2	0.22
<b>TAN</b>	522.4	4.20	2.8	0.43	22.7	1.32	35.0	1.35	21.4	1.05	9.9	0.90	6.2	0.80	1.6	0.39	0.4	0.12
<b>UGA</b>	506.3	8.17	5.4	0.73	33.4	2.17	31.6	1.68	12.3	1.19	6.0	0.96	5.5	1.05	5.2	1.55	0.6	0.24
<b>ZAM</b>	435.2	3.54	16.8	1.16	54.4	1.34	21.5	1.31	5.0	0.61	1.8	0.53	0.4	0.22	0.0	0.05	0.0	0.05
<b>ZAN</b>	478.1	1.26	3.0	0.39	41.1	1.17	41.1	1.20	10.0	0.72	3.7	0.34	1.0	0.15	0.1	0.07	0.0	0.02
<b>SAC</b>	<b>500.0</b>		<b>6.17</b>		<b>34.3</b>		<b>29.7</b>		<b>14.6</b>		<b>7.48</b>		<b>4.57</b>		<b>2.17</b>		<b>1.51</b>	

Source: SACMEQ database, 2004.

**APPENDIX 43**

**MEAN SCORES AND SAMPLING ERROR OF MATHEMATICS PUPILS AND TEACHERS IN MOZAMBIQUE**

<b>Pupils and Teachers performance on all items</b>				
<b>Prov</b>	<b>Mathematics</b>			
	<b>Pupils</b>		<b>Teachers</b>	
	<b>Mean</b>	<b>SE</b>	<b>Mean</b>	<b>SE</b>
CAB	497.9	6.29	750.8	12.15
GAZ	525.7	7.66	805.7	30.07
INH	540.9	11.85	769.2	32.33
MAC	546.5	3.64	817.6	17.16
MAN	543.4	6.30	776.7	16.93
MAP	534.7	7.05	778.5	23.32
NAM	539.2	4.85	837.1	29.96
NIA	488.2	3.95	769.7	15.56
SOF	522.5	4.83	782.0	10.17
TET	510.7	4.86	744.9	13.40
ZAM	516.7	5.92	697.9	19.62
<b>MOZ</b>	<b>530.0</b>	<b>2.08</b>	<b>782.8</b>	<b>7.48</b>

Source: SACMEQ database, 2004.

**APPENDIX 44**

**PERCENTAGE AND SAMPLING ERROR OF MOZAMBIKAN TEACHERS AND PUPIL PERFORMANCE IN MATHEMATICS  
IN DIFFERENT LEVELS OF COMPETENCY**

Levels of competency (MOZ)	Levels															
	1		2		3		4		5		6		7		8	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>Teachers Mathematics</b>	0.00	0.00	0.00	0.00	0.3	0.27	2.9	1.44	4.6	1.15	16.3	2.65	44.3	3.17	31.7	3.28
<b>Pupils Mathematics</b>	0.4	0.11	12.6	0.86	41.7	1.35	32.1	1.27	11.4	0.86	1.7	0.40	0.1	0.04	0.0	0.00

Source: SACMEQ database, 2004.

## APPENDIX 45

### MEAN SCORES AND SAMPLING ERROR OF MATHEMATICS PUPILS AND TEACHERS OF SACMEQ COUNTRIES

Pupils and Teachers performance on all items				
Prov	Mathematics			
	Pupils		Teachers	
	Mean	SE	Mean	SE
<b>BOT</b>	512.9	3.15	753.3	5.11
<b>KEN</b>	563.3	4.64	968.5	8.89
<b>LES</b>	447.2	3.24	739.4	5.55
<b>MAL</b>	432.9	2.25	776.0	8.72
<b>MAU</b>	584.6	6.32		
<b>MOZ</b>	530.0	2.08	782.8	7.48
<b>NAM</b>	430.9	2.94	734.8	6.67
<b>SEY</b>	554.3	2.68	872.6	1.31
<b>SOU</b>	486.1	7.19		
<b>SWA</b>	516.5	3.41	808.1	7.80
<b>TAN</b>	522.4	4.20	794.3	7.54
<b>UGA</b>	506.3	8.17	822.9	12.17
<b>ZAM</b>	435.2	3.54	759.1	7.25
<b>ZAN</b>	478.1	1.26	689.3	0.63
<b>SAC</b>	<b>500.0</b>		<b>791.7</b>	

Source: SACMEQ database, 2004.

**APPENDIX 47**

**PERCENTAGE OF PUPILS, MEANS SCORES AND ATTAINED  
MATHEMATICS ON THE COMBINED CATEGORY COMPETENCE LEVELS  
BY GENDER, SES AND SCHOOL LOCATION OF MOZAMBICAN  
MATHEMATICS PUPILS**

Category level										
Sub-groups	Mean		1		2		3		4	
	Mean	SE	%		%		%		%	
<b>Gender</b>										
Boys	537.0	2.09	50.2		47.6		2.4		0.0	
Girls	519.5	2.80	61.5		37.6		1		0.0	
<b>Socio Economic Status</b>										
Low SES	527.5	2.25	56.8		41.6		1.5		0.0	
Higher SES	532.6	2.66	52.5		45.5		2		0.0	
<b>School Location</b>										
Isolated /Rural	524.0	6.32	60.6		37.3		2.1		0.0	
Small Town	527.5	2.70	56.7		41.8		1.6		0.0	
Large City	536.7	3.26	48.3		50.1		1.5		0.0	
<b>Mozambique</b>	<b>530.0</b>	<b>2.08</b>	<b>54.7</b>		<b>43.0</b>		<b>1.8</b>		<b>0.0</b>	

Source: SACMEQ database, 2004.

## APPENDIX 48

### MEANS AND SAMPLING ERROR OF PUPIL PERFORMANCE IN MATHEMATICS OF REGIONAL PUPILS BY GENDER

School System	Gender			
	Mathematics			
	Boys		Girls	
	Mean	SE	Mean	SE
<b>BOT</b>	508.2	3.30	517.4	3.51
<b>KEN</b>	574.2	5.50	552.4	4.81
<b>LES</b>	445.7	3.55	448.3	3.44
<b>MAL</b>	437.7	2.85	427.7	2.35
<b>MAU</b>	579.3	6.83	590.2	6.82
<b>MOZ</b>	537.0	2.09	519.5	2.80
<b>NAM</b>	433.3	3.46	428.6	2.93
<b>SEY</b>	535.5	3.75	573.1	3.85
<b>SOU</b>	482.1	6.74	489.8	8.03
<b>SWA</b>	518.9	3.31	514.3	3.97
<b>TAN</b>	539.6	5.65	506.7	3.98
<b>UGA</b>	508.1	7.62	504.0	11.46
<b>ZAM</b>	440.2	4.21	430.0	3.49
<b>ZAN</b>	485.3	2.04	471.4	1.86
<b>SAC</b>	<b>501.7</b>		<b>498.1</b>	

Source: SACMEQ database, 2004.



**APPENDIX 49**

**PERCENTAGE OF MATHEMATICS PUPILS RESULTS BY GENDER ON THE  
COMBINED MATHEMATICS COMPETENCE LEVEL**

Sch.	Category level Gender															
	Boys								Girls							
	1		2		3		4		1		2		3		4	
Syst.	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	66.3		28.6		4.9		0.1		66.3		31		5.2		0.3	
<b>KEN</b>	37.4		44.1		16.6		1.8		45.2		43.3		10.8		0.7	
<b>LES</b>	92.8		6.7		0.4		0		92.5		7		0.6		0	
<b>MAL</b>	97.1		3		0		0		98.5		1.4		0		0	
<b>MAU</b>	45.2		26.6		20.8		7.3		39.4		31.4		22.6		6.7	
<b>MOZ</b>	50.2		47.6		2.4		0		61.5		37.6		1		0	
<b>NAM</b>	90.6		6		3.3		0.1		92.2		5.2		2.4		0.2	
<b>SEY</b>	56.1		29		13.6		1.4		37.4		38		23.1		1.6	
<b>SOU</b>	77.9		13.4		7.6		1.1		74.5		16.1		8		1.4	
<b>SWA</b>	65.6		31		3.1		0.2		67.1		29.7		2.9		0.3	
<b>TAN</b>	52.5		34.9		11.9		0.7		67.7		28.1		4.1		0.1	
<b>UGA</b>	70.4		19.8		9		0.8		70.5		16.5		12.7		0.3	
<b>ZAM</b>	91.2		8.4		0.4		0		94.1		5.1		0.6		0.1	
<b>ZAN</b>	82		16.8		1.1		0		88.1		10.8		1.1		0	
<b>SAC</b>	<b>69.6</b>		<b>22.5</b>		<b>6.7</b>		<b>0.9</b>		<b>71.0</b>		<b>21.5</b>		<b>6.7</b>		<b>0.8</b>	

Source: SACMEQ database, 2004.



## APPENDIX 50

### MEANS AND SAMPLING ERROR OF PUPIL PERFORMANCE IN MATHEMATICS BY SOCIO-ECONOMIC STATUS

School System	Socio Economic Status			
	Mathematics			
	Low SES		High SES	
	Mean	SE	Mean	SE
<b>BOT</b>	498.9	2.83	529.8	5.09
<b>KEN</b>	546.9	4.35	587.1	6.79
<b>LES</b>	448.6	3.83	444.9	3.65
<b>MAL</b>	428.2	2.64	442.2	2.97
<b>MAU</b>	550.0	5.66	607.7	7.83
<b>MOZ</b>	527.5	2.25	532.6	2.66
<b>NAM</b>	408.7	1.62	461.3	5.94
<b>SEY</b>	532.4	4.16	567.8	3.46
<b>SOU</b>	446.8	3.97	524.3	11.03
<b>SWA</b>	511.3	3.03	522.2	5.16
<b>TAN</b>	509.0	3.96	545.5	6.77
<b>UGA</b>	496.3	9.21	519.2	10.52
<b>ZAM</b>	425.5	4.51	444.8	4.80
<b>ZAN</b>	474.0	1.58	483.9	2.31
<b>SAC</b>	<b>486.0</b>		<b>515.2</b>	

Source: SACMEQ database, 2004.

**APPENDIX 51**

**PERCENTAGE OF MATHEMATICS PUPILS RESULTS BY SOCIO-ECONOMIC STATUS ON THE COMBINED MATHEMATICS COMPETENCE LEVEL**

Sch. Syst.	Mathematics Socio Economic Status															
	Low SES								Higher SES							
	1		2		3		4		1		2		3		4	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	70.5		27		2.4		0		58.3		33.1		8.1		0.5	
<b>KEN</b>	48		42.6		9		0.4		31.7		45.4		20.5		2.5	
<b>LES</b>	92.4		7.2		0.4		0		93		6.4		0.6		0	
<b>MAL</b>	98.4		1.6		0		0		96.5		3.6		0		0	
<b>MAU</b>	51		30.6		14.8		3.6		36.7		27.7		26.2		9.4	
<b>MOZ</b>	56.8		41.6		1.5		0		52.5		45.5		2		0	
<b>NAM</b>	98.4		1.4		0.1		0		82		11.3		6.4		0.3	
<b>SEY</b>	53.1		34.2		12		0.7		42.7		33		22.3		2	
<b>SOU</b>	91.1		7.7		1.2		0		61.3		21.8		14.3		2.5	
<b>SWA</b>	69.2		28.5		2.3		0		63.2		32.5		3.9		0.5	
<b>TAN</b>	66.4		27.9		5.5		0.2		50.2		37.3		11.8		0.7	
<b>UGA</b>	74.5		16.3		8.4		0.7		65.2		20.9		13.4		0.5	
<b>ZAM</b>	95.5		4.4		0.1		0		90		9.1		0.9		0.1	
<b>ZAN</b>	86.4		12.3		1.2		0		83.3		15.6		0.9		0	
<b>SAC</b>	<b>75.1</b>		<b>20.2</b>		<b>4.2</b>		<b>0.4</b>		<b>64.7</b>		<b>24.5</b>		<b>9.3</b>		<b>1.3</b>	

Source: SACMEQ database, 2004.

**APPENDIX 52**

**MEANS AND SAMPLING ERROR OF PUPILS' PERFORMANCE IN READING  
AND MATHEMATICS BY SCHOOL LOCATION**

Sch Syst	School location					
	Isolated/Rural		Mathematics		Large Town	
	Mean	SE	Small Town	SE	Mean	SE
<b>BOT</b>	500.5	3.77	517.4	6.23	530.6	7.32
<b>KEN</b>	552.5	5.46	572.3	9.21	603.0	15.19
<b>LES</b>	436.8	2.95	456.7	4.85	482.2	15.39
<b>MAL</b>	429.1	2.83	434.0	4.95	451.2	6.02
<b>MAU</b>	577.6	6.83	584.2	20.83	593.5	12.40
<b>MOZ</b>	524.0	6.32	527.5	2.70	536.7	3.26
<b>NAM</b>	404.7	1.75	448.7	9.13	507.6	11.89
<b>SEY</b>	549.2	6.78	547.0	4.05	566.1	4.16
<b>SOU</b>	436.6	4.20	472.4	10.61	571.3	15.47
<b>SWA</b>	510.9	3.43	528.3	6.79	531.1	13.29
<b>TAN</b>	508.7	3.74	554.0	9.84	559.4	12.41
<b>UGA</b>	498.5	8.70	544.4	26.15	508.6	21.90
<b>ZAM</b>	418.3	2.84	439.2	4.26	456.7	7.29
<b>ZAN</b>	477.3	1.39	482.5	3.88	477.0	2.89
<b>SAC</b>	<b>487.4</b>		<b>507.7</b>		<b>526.7</b>	

**APPENDIX 53**

**PERCENTAGE OF MATHEMATICS PUPILS RESULTS BY SCHOOL  
LOCATION ON THE COMBINED MATHEMATICS COMPETENCE LEVEL**

Sch. Syst.	Mathematics School location															
	Isolated/Rural								Large Town							
	1		2		3		4		1		2		3		4	
	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE	%	SE
<b>BOT</b>	70.3		26.5		3.2		0		57.8		34		7.6		0.6	
<b>KEN</b>	46.3		42.1		10.9		0.8		26.3		45		23.5		5.2	
<b>LES</b>	96		3.7		0.4		0		77		21.3		1.9		0	
<b>MAL</b>	98.4		1.6		0		0		94		6		0		0	
<b>MAU</b>	43.2		31.2		20.5		5		40.7		26.7		23.6		9.1	
<b>MOZ</b>	60.6		37.3		2.1		0		48.3		50.1		1.5		0	
<b>NAM</b>	99.1		0.8		0		0		68.2		19.4		11.9		0.6	
<b>SEY</b>	49.2		33.3		15.1		2.4		40.4		37.5		20.7		1.5	
<b>SOU</b>	94.1		5.6		0.4		0		43.5		29.7		22.8		4	
<b>SWA</b>	69.7		27.9		2.3		0		58.3		34.6		5.9		1.3	
<b>TAN</b>	66.9		27.3		5.5		0.3		39.8		44.5		14.7		1	
<b>UGA</b>	72.9		16.9		9.8		0.4		62.9		31.7		5.4		0	
<b>ZAM</b>	97.1		2.7		0.1		0		87		11.8		1.1		0.1	
<b>ZAN</b>	84.6		13.7		1.6		0		86.6		12.8		0.6		0	
<b>SAC</b>	<b>74.8</b>		<b>19.3</b>		<b>5.1</b>		<b>0.6</b>		<b>59.3</b>		<b>28.9</b>		<b>10.0</b>		<b>1.6</b>	

Source: SACMEQ database, 2004

## APPENDIX 54

### READING AND MATHEMATICS NUMBER OF ITEMS

READING NUMBER OF ITEMS (Overview)								
	DOMAINS	LEVELS	PUPILS		LAYERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	TEACHERS		School heads competence	School heads performance
					Teacher competence	Teacher performance		
Research Questions 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Provincial National Regional		RATOTP	RATOTT 4, 35	4,16	3	
	<b>Affective</b> (Attitude, self concept, motivation)	Provincial National Regional			25.10 25.13 25.16	25. 1 - 9 25. 11 - 12 25. 14 - 15 26		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Provincial National Regional	16,17	4,	6, 16,17,37	18,31,32,33,36,38,	6,9,10,	28,30,33
	<b>Constructs</b>							
	<b>Teacher training</b> (Pre- and in service training)	Provincial National Regional			5,9	17	4,5,	
	<b>Teacher characteristics</b> (Sex, age, social status and professional training)	Provincial National Regional				1,2,3,27,29,30		1,2
	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Provincial National Regional	31,32,					13,18,20,21,22,36,37,38,39
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Provincial National Regional	20, 21,22,23,33,34,35			1,10,11,12,13,14,15		7,8
	<b>Pre-existing pupils characteristics</b> (Sex, age, socio-economic status, background)	Provincial National Regional	2,3,5,6,10,11,12 18,19					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Provincial National Regional	24,25,26,28,30			34		40,41

## READING

READING NUMBER OF ITEMS								
	DOMAINS	LE-VELS	LAYERS					
			PUPILS		TEACHERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance
R.Q 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Prov. Nat. Reg.		ratotp	ratott  4-xqacad 35 – trgoal 01 ...trgoal 07	16 - stchprim/ stchseco/ stchtert  4 - zstchaca	3 - sqacadem	
	<b>Affective</b> (Attitude, self concept, motiv)	Prov. Nat. Reg.			25- zxsatis 10 25-zxsatis13 25-zxsatis16	25- zxsatis01.. zxsatis 09 25- zxsatis11. .. zxsatis12 25- zxsatis14. .. zxsatis15		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Prov. Nat. Reg.	16-pabsent 17- zpabwhy1,3,6. ....zpabwhy4	4 zpenglis	6 - xexper 16 - xoutwork 17 - zxmeetpar 37 - trappr 01 . . . trappr 06	18 – xmeeusua 31 - ztrepeng 32 - tract 01...tract08 33 - tractmos 36 - (35) trgoalmo 38 -ztestre	6 - sexptch 9 - sexpthis 10 - sexpall	28- zsacthd 01.. zsacthd 06 30 - zsschac01 ..sschact 05 33 – slost
<b>CONSTRUCTS</b>								
	<b>Teacher training</b> (Pre- and in service training)	Prov. Nat. Reg.			5-zxqprof 9-zxinserve	17 - stchnott/ stchshor/ stch1yr/ stch2yr/ stch3yr/ stchmore	4 - sqtt 5 - sqspec/ sqspecwk	
	<b>Teacher characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.				1- xclass 2-zxsex 3-zxagelvl 27 - zxhpos 13 29- zxlight 30- zxcondli		1 - zsex 2 - zsagelvl

		Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance	
R.Q 1&2	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Prov. Nat. Reg.	31-pexteng/ pextoth 32-pextpay					13 - zdist 14 – zsloc (0) zslocati (1) zspratri bigshift (z) 18 - spuggir 20- sclass 21 - sclass6 22 - zssessnu 36 - zsbldgco 37 - zstoitot 38 - zsrto22 39 – sborrow
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Prov. Nat. Reg.	20-zpborrow 21- zpmat01.....zpmat07 22-zpsit 23-zpwrite 33- zphmwkr 34-zphmwkrc 35-zptextr			1-xclsize 10-zxycbks 11- zxcifurn 12-zxcclres 8 13-zxaccess 1..z.xaccess 5 14-xperiods 15-xminutes		7 - speriods 8 - sminutes
R.Q 1&2	<b>Pre-existing pupils characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.	1-pclass 2-zpagemon 3-zpsex 5-pstay 6-zpbooksh 10- pmeal1...pmeal3 11 - pzses 18-zprepeat 19-prepeat6					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Prov Nat. Reg.	24- zphmwkdn 25-phmwkhlp 26-pread 28-pquestr 30-plookwk			34 – ztsigneng		40 –zscomm 01 ..... zscomm 14  41 – sprobcom



## MATHEMATICS

READING and MATHEMATICS								
NUMBER OF ITEMS (Overview)								
	DOMAINS	LEVELS	LAYERS					
			PUPILS		TEACHERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance
Research Questions 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Provincial National Regional		MATOTP	MATOTT 4, 43		3	
	<b>Affective</b> (Attitude, self concept, motivation)	Provincial National Regional			25.10 25.13 25.16	25. 1 - 9 25. 11 - 12 25. 14 - 15 26		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Provincial National Regional	16,17	4,	6, 16,17,37, 45,	18, 39,40,41,44, 46	6,9,10,	28,29,30,33
	<b>Teacher training</b> (Pre- and in service training)	Provincial National Regional			5,7,8,9		4,5,	
	<b>Teacher characteristics</b> (Sex, age, social status and professional training)	Provincial National Regional				1,2,3,27,28,29,30		1,2
	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Provincial National Regional	31,32,					,13,14,18,19,20,21,22 ,36, 37,38,39
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Provincial National Regional	20, 21,22,23, 36, 37,38			1,10,11,12,13,14, 15		7,8
	<b>Pre-existing pupils characteristics</b> (Sex, age, socio-economic status, background)	Provincial National Regional	1,2,3,5,6,7,8,9, 10,11,12,13,14, 15,18,19					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Provincial National Regional	24,25,27,29,30			34, 42		40,41

## MATHEMATICS

MATHEMATICS NUMBER OF ITEMS								
	DOMAINS	LE-VELS	LAYERS					
			PUPILS		TEACHERS		SCHOOL HEADS	
			Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance
R.Q 1&2	<b>Cognitive</b> (Content: knowledge, comprehension, application, analysis, synthesis, evaluation)	Prov. Nat. Reg.		matotp	matott  4- yqacad 43 – tmgoal 01... tmgoal 07	16 - stchprim/ stchseco/ stchtert  4 - zstchaca	3 - sqacadem	
	<b>Affective</b> (Attitude, self concept, motivation)	Prov. Nat. Reg.			25- zysatis10 25- zysatis13 25- zysatis16	25- zysatis 01.. zysatis 09 25- zysatis11...zysatis12 25-/ zysatis14. .. zysatis15		
	<b>Behavioral</b> (Skill, abilities, performance, assessment, teaching style, leadership, Teacher meeting parents)	Prov. Nat. Reg.	16-pabsent 17- zpabwhy1,3,6. ....zpabwhy4	4 penglish	6 - yexper 16 - youtwork 17 - zymeetpar 45 - tmappr 01.. .. tmappr10	18 – xmeeusua 39 - ztrepmath 40 - tmact 01..tmact 08 41 - tmactmos 44 - (43) tmgoalmo 46 - zttestmat	6 - sexptch 9 - sexpthis 10 - sexpall	28- zsacthd 01..zsacthd 06 30 - zsschact01 .. zsschact 05 33 – slost
	<b>Constructs</b>							
	<b>Teacher training</b> (Pre- and in service training)	Prov. Nat. Reg.			5- zyqprof 9- zyinserve	stchnott/ stchshor/ stch1yr/ stch2yr/ stch3yr/ stchmore	4 - sqtt 5 - sqspec/ sqspecwk	
	<b>Teacher characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.				1- yclass 2- zysex 3- zyagelvl 27- zyhpos 13 29- zylight 30-zycondli		1 - zssex 2 – zsagelvl

		Pupil experience	Pupil learning outcomes	Teacher competence	Teacher performance	School heads competence	School heads performance	
R.Q 1&2	<b>External teaching context</b> (Resources centre, inspection, tuition, leadership)	Prov. Nat. Reg.	31- pextmat/ pextoth 32-pextpay					13 - zdist 14 – sloc zslocati zsprati bigshift 18 - spuggir 20 - sclass 21 - sclass6 22 - zssessnu 36 - zsldgco 37 - zstoitot 38 – zsrtot 22 39 - sborrow
	<b>Internal teaching context</b> (Availability of classroom furniture, equipment, time on task)	Prov. Nat. Reg.	20-zpborrow 21- zpmat01.....pmat0 8 22-zpsit 23-zpwrite 36-zphmwkm 37-zphmwkmc 38-zptextm			1- yclsize 10- zyclbks 11- zyclfurn 12- zyclres 13-yaccess1...yaccess 5 14- yperiods 15- yminutes		7 - speriods 8 - sminutes
R.Q 1&2	<b>Pre-existing pupils characteristics</b> (Sex, age, soc. ec. status, background)	Prov. Nat. Reg.	1-pclass 2-zpagemon 3-zpsex 5-pstay 6-zpbooksh 10-pmeal1 ... pmeal3 11 - pses 18 - zprepeat 19-prepeat6					
	<b>Parent school involvement</b> (Pupils assistance, school and classroom improvement)	Prov Nat. Reg.	24 -zphmwkdn 25-phmwkhlp 27-pcalc 29-pquestm 30-plookwk			42 - tsignmat		40 – zscomm 01 ..... zscomm 14  41 - sprocom



APPENDIX 55

MOZAMBIQUE OVERVIEW CORRELATION - READING

Variables	Domain/ construct	Description	Pearson Cor	Sig
zxsat01	A	R:/ reading teacher satisfaction-distance	0.097	0.203930
zxsat03	A	R:/ reading teacher satisfaction-school building quality	-0.004	0.957
zxsat04	A	R:/ reading teacher satisfaction-teacher house availability	0.135	0.077
zxsat05	A	R:/ reading teacher satisfaction-teacher house quality	0.081	0.287
zxsat07	A	R:/ reading teacher satisfaction-classroom furniture quality	0.043	0.575
zxsat08	A	R:/ reading teacher satisfaction-level of salary	0.083	0.278
zxsat10	A	R:/ reading teacher satisfaction-pupil learn	-0.001	0.992
zxsat12	A	R:/ reading teacher satisfaction-school management quality	0.067	0.378
zxsat13	A	R:/ reading teacher satisfaction-staff relationship	0.083	0.280
zxsat14	A	R:/ reading teacher satisfaction-community relationship	-0.027	0.729
zxsat15	A	R:/ reading teacher satisfaction-promotion opportunity	0.105	0.171
zxsat16	A	R:/ reading teacher satisfaction-further study	0.035	0.648
fxtrappr	B	Teacher reading approach	-0.142	0.062
fxzsacthd	B	School head activities (factor)	0.219	<b>0.004</b>
fxtrac	B	Reading teacher activities (factor)	0.025	0.741
fxzsschac	B	School activities (factor)	-0.080	0.300
pabsent	B	P/Days absent	-0.076	0.317
sexpall	B	S/Sh Altogether	0.006	0.942
sexptch	B	S/Years teaching	0.154	<b>0.046</b>
sexpthis	B	S/Sh this school	0.076	0.325
slost	B	S/Lost days	0.019	0.808
xexper	B	T/Years of Teaching	0.085	0.268
xmeeusua	B	T/Pup's parents meet/year	0.082	0.283
xoutwork	B	T/Hours outside	-0.031	0.690
zpbwhy2	B	R:/ reason absent-ill	-0.143	0.058
zpbwhy3	B	R:/ reason absent-family	0.034	0.652
zpbwhy4	B	R:/ reason absent-work	-0.326	<b>0.000</b>
zpbwhy6	B	R:/ reason absent-fee not paid	-0.127	0.094
zpenglis	B	R:/ speaking English at home	0.428	<b>0.000</b>
ztrepeng	B	R:/ reading teacher reporting comments on English	-0.153	<b>0.045</b>
zxmeet	B	R:/ reading teacher frequency meeting parents	0.021	0.780
fxtrgoal	C	Reading goals (factor)	-0.114	0.135
matotp	C	SCR:/ Pupil math-all total raw score	0.778	<b>0.000</b>
ratott	C	SCR:/ teacher reading-all total raw score	0.201	<b>0.008</b>
sborrow	C	S/Pupils Can Borrow Books	-0.011	0.891
sqacadem	C	S/Qualification-academic	0.175	<b>0.023</b>
stchprim	C	S/Teachers (primary only)	0.143	0.064
stchseco	C	S/Teachers (secondary)	0.168	<b>0.029</b>
stchtert	C	S/Teachers (tertiary)	0.139	0.072
zstchaca	C	D:/ ratio teachers having tertiary academic education	-0.171	<b>0.027</b>
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.273	<b>0.000</b>
pexteng	ETC	P/Extra tuition-subject	-0.321	<b>0.000</b>
pextoth	ETC	P/Extra tuition-subject	-0.213	<b>0.005</b>
sclass	ETC	S/# of classes	0.307	<b>0.000</b>
sclass6	ETC	S/# of classes G6	0.239	<b>0.002</b>
zpextpay	ETC	R:/ paying for extra tuitions	-0.158	<b>0.037</b>
zsbldgco	ETC	R:/ school building condition	-0.085	0.275
zslocati	ETC	R:/ school location	0.279	<b>0.000</b>
zsprati	ETC	D:/ pupils-teacher ratio	-0.032	0.683
zspupgir	ETC	D:/ ratio girls	0.233	<b>0.002</b>
zsrrot22	ETC	D:/ total school resources [max=22]	0.185	<b>0.017</b>
zssessnu	ETC	D:/ the number of shifts	0.131	0.091
zstoitot	ETC	D:/ the number of toilets	0.065	0.405
fx1zpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.241	<b>0.001</b>
fx1zxaccess	ITC	Teachers' access to material	-0.075	0.330
fx2zpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.072	0.342
fx2zxaccess	ITC	Teachers' access to material	-0.095	0.213
sminutes	ITC	S/Minutes/periods	-0.266	<b>0.001</b>
speriods	ITC	S/# Periods	-0.253	<b>0.001</b>
xclsizs	ITC	D:/Reading class size	-0.072	0.342
xminutes	ITC	T/Minutes/lesson	-0.099	0.193



xperiods	ITC	T/Periods/week	0.013	0.861
zpborrow	ITC	R:/ borrow books	-0.166	<b>0.033</b>
zphmwkr	ITC	R:/ being given reading homework	-0.021	0.780
zphmwkr	ITC	R:/ being corrected reading homework	0.005	0.947
zpsit	ITC	R:/ sitting place	0.116	0.126
zptextr	ITC	R:/ sharing/owning reading textbooks	0.154	<b>0.041</b>
zpwite	ITC	R:/ writing place	0.157	<b>0.038</b>
zxclfum	ITC	D:/ reading teacher total class furniture [max=5]	-0.019	0.811
zxclres8	ITC	D:/ reading teacher total class resources [max=8]	-0.054	0.486
zxclybks	ITC	D:/ the number of classroom books	-0.125	0.110
pmeal1	PEPC	P/Morning meal	-0.065	0.388
pmeal2	PEPC	P/Lunch	-0.031	0.681
pmeal3	PEPC	P/Evening meal	0.129	0.089
prepeat6	PEPC	P/Repeating G6	0.099	0.192
pstay	PEPC	P/Place to stay	-0.247	<b>0.001</b>
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.270	<b>0.000</b>
zpboksh	PEPC	D:/ the number of books at home	0.051	0.504
zprepeat	PEPC	R:/ grade repetition	0.259	<b>0.001</b>
zpses	PEPC	D:/ pupil's SES	0.368	<b>0.000</b>
zpssex	PEPC	R:/ pupil sex	0.200	<b>0.008</b>
fx2zscmm	PSI	Community involvment	-0.099	0.201
phmwkhlp	PSI	P/Homework-help	-0.044	0.558
sprobcom	PSI	S/Community problems	-0.144	0.062
zphmwkdn	PSI	R:/ homework-make sure	0.044	0.565
zplookwk	PSI	R:/ being looked at the school work	-0.076	0.313
zquestr	PSI	R:/ being asked questions about any subject	-0.264	<b>0.000</b>
zpread	PSI	R:/ being asked to read	-0.186	<b>0.014</b>
ztsignen	PSI	R:/ reading teacher asking parents to sign	-0.008	0.916
zsagelvl	TC	R:/ school head age level	0.133	0.088
zssex	TC	R:/ school head sex	0.168	<b>0.031</b>
zxagelvl	TC	D:/ reading teacher age level	0.141	0.064
zxcondli	TC	R:/ reading teacher home condition	-0.098	0.200
zxhpos13	TC	D:/ reading teacher total possessions at home [max=13]	0.181	<b>0.017</b>
zxlight	TC	R:/ reading teacher source of lighting	0.322	<b>0.000</b>
zxsex	TC	R:/ reading teacher sex	0.133	0.082
sqssec	TT	S/Qualification-Special T	0.170	<b>0.028</b>
sqssecwk	TT	S/# Weeks special Trg	0.028	0.832
stch1yr	TT	S/Teachers (1 Yr)	0.141	0.068
stch2yr	TT	S/Teachers (2 Yr)	0.237	<b>0.002</b>
stch3yr	TT	S/Teachers (3 Yr)	0.148	0.056
stchmore	TT	S/Teachers (more)	0.183	<b>0.017</b>
stchnott	TT	S/Teachers (no Tt)	-0.194	<b>0.012</b>
stchshor	TT	S/Teachers (short)	0.220	<b>0.004</b>
zsqtt	TT	R:/ school head teacher training	-0.056	0.468
zxinserv	TT	R:/ reading teacher inservice training effectiveness	0.105	0.347
zxqprof	TT	D:/ reading teacher teacher training	0.124	0.103



APPENDIX 55

MOZAMBIQUE OVERVIEW CORRELATION - MATHEMATICS

Variables	Domain/ construct	Description	Pearson Cor	Sig.
zysat01	A	R:/ math teacher satisfaction-distance	-0.070	0.364
zysat03	A	R:/ math teacher satisfaction-school building quality	-0.218	<b>0.004</b>
zysat04	A	R:/ math teacher satisfaction-teacher house availability	-0.035	0.654
zysat05	A	R:/ math teacher satisfaction-teacher house quality	-0.124	0.106
zysat07	A	R:/ math teacher satisfaction-classroom furniture quality	0.023	0.769
zysat08	A	R:/ math teacher satisfaction-level of salary	0.002	0.977
zysat10	A	R:/ math teacher satisfaction-pupil learn	-0.031	0.692
zysat12	A	R:/ math teacher satisfaction-school management quality	-0.140	0.067
zysat13	A	R:/ math teacher satisfaction-staff relationship	-0.147	0.056
zysat14	A	R:/ math teacher satisfaction-community relationship	-0.051	0.505
zysat15	A	R:/ math teacher satisfaction-promotion opportunity	-0.039	0.616
zysat16	A	R:/ math teacher satisfaction-further study	0.001	0.985
fy1tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.054	0.483
fy1tmappr	B	Teacher math approach	0.066	0.389
fy1zsacthd	B	School head activities	0.255	<b>0.001</b>
fy2tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.047	0.539
fy2tmappr	B	Teacher math approach	-0.126	0.100
fy2zsacthd	B	School head activities	0.024	0.759
pabsent	B	P/Days Absent	-0.035	0.642
penglish	B	P/Speak Eng at home	0.135	0.075
sexpall	B	S/Sh Altogether	0.009	0.905
slost	B	S/Lost days	0.000	0.995
tmactmos	B	T/Most Important math activity	-0.090	0.241
tmgoalmo	B	T/Most Important math goal	0.055	0.473
yexper	B	D:/Mathematics class size	0.078	0.308
youtwork	B	T/Hours outside	-0.126	0.100
zpabwhy2	B	R:/ reason absent-ill	-0.130	0.087
zpabwhy3	B	R:/ reason absent-family	0.103	0.174
zpabwhy4	B	R:/ reason absent-fee not paid	-0.292	<b>0.000</b>
zpabwhy6	B	R:/ reason absent-work	-0.069	0.362
ztrepmat	B	R:/ math teacher reporting comments on Mathematics	-0.048	0.536
ztestma	B	R:/ math teacher frequency giving written math test	-0.160	<b>0.037</b>
zmeet	B	R:/ math teacher frequency meeting parents	0.197	<b>0.010</b>
fytmgoal	C	T/maths goal-numeracy, goal-problem solve, goal-thinking, goal-confidence, goal-satisfaction, goal-career, goal-life skill;	-0.017	0.829
matott	C	SCR:/ teacher math-all total raw score	0.117	0.132
ratotp	C	SCR:/ pupil reading-all total raw score	0.778	<b>0.000</b>
sqacadem	C	S/Qualification-Academic	0.055	0.479
stchprim	C	S/Teachers (primary only)	0.079	0.309
stchseco	C	S/Teachers (secondary)	0.147	0.057
stchtert	C	S/Teachers (tertiary)	-0.022	0.778
yqacad	C	T/Qualif-academic	-0.029	0.707
zstchaca	C	D:/ ratio teachers having tertiary academic education	-0.229	<b>0.003</b>
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.151	0.051
pextmat	ETC	P/Extra tuition-subject	-0.142	0.061
pextoth	ETC	P/Extra tuition-subject	-0.158	<b>0.037</b>
pextpay	ETC	P/Extra tuition-payment	-0.216	<b>0.004</b>
sborrow	ETC	S/Pupils can borrow books	-0.097	0.209
sclass	ETC	S/# of classes	0.196	<b>0.011</b>
sclass6	ETC	S/# of classes G6	0.090	0.246
zsbldgco	ETC	R:/ school building condition	-0.045	0.566
zslocati	ETC	R:/ school location	0.161	<b>0.037</b>
zsprati	ETC	D:/ pupils-teacher ratio	0.063	0.415
zsrto22	ETC	D:/ total school resources [max=22]	0.032	0.677
zssessnu	ETC	D:/ the number of shifts	0.127	0.101
zstoitot	ETC	D:/ the number of toilets	0.044	0.567
fy1pmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.193	<b>0.010</b>
fy1zpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.292	<b>0.000</b>
fyaccess	ITC	Math teacher access (factor)	-0.070	0.361
sminutes	ITC	S/Minutes/periods	-0.215	<b>0.005</b>
speriods	ITC	School haed number of periods	-0.235	<b>0.002</b>



yclsiz	ITC	D:/Mathematics class size	-0.122	0.107
yminutes	ITC	T/Minutes/lesson	-0.106	0.168
yperiods	ITC	T/Periods/week	-0.043	0.576
zpborrow	ITC	R:/ borrow books	-0.150	0.053
zphmwkm	ITC	R:/ being given mathematics homework	0.042	0.582
zphmwkmc	ITC	R:/ being corrected mathematics homework	0.120	0.113
zpsit	ITC	R:/ sitting place	0.020	0.797
zptextm	ITC	R:/ sharing/owning mathematics textbooks	0.081	0.283
zpwite	ITC	R:/ writing place	0.059	0.438
zyclbks	ITC	D:/ the number of classroom books	-0.143	0.067
zyclfum	ITC	D:/ math teacher total class furniture [max=5]	-0.038	0.633
zylres8	ITC	D:/ math teacher total class resources [max=8]	-0.036	0.645
zphmwkm	ITC	P/Math homework-given	0.042	0.582
zphmwkmc	ITC	P/Math homework-correct	0.120	0.113
pmeal1	PEPC	P/Morning meal	0.026	0.728
pmeal2	PEPC	P/Lunch	0.050	0.512
pmeal3	PEPC	P/Evening meal	0.225	<b>0.003</b>
prepeat6	PEPC	P/Repeating G6	0.089	0.238
pstay	PEPC	P/Place to stay	-0.175	<b>0.020</b>
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.155	<b>0.040</b>
zpboksh	PEPC	D:/ the number of books at home	-0.031	0.680
zprepeat	PEPC	R:/ grade repetition	0.179	<b>0.017</b>
zpses	PEPC	D:/ pupil's SES	0.216	<b>0.004</b>
zpssex	PEPC	R:/ pupil sex	0.095	0.211
fy1zscmm	PSI	Community involviment	-0.149	0.053
sprobcom	PSI	S/Community problem	-0.148	0.056
tsignmat	PSI	T/Parents sign-math	0.012	0.880
zpcalc	PSI	R:/ being asked to calculate	-0.158	<b>0.036</b>
zphmwkdn	PSI	R:/ homework-make sure	0.093	0.221
zplookwk	PSI	R:/ being looked at the school work	-0.088	0.244
zquestm	PSI	R:/ being asked questions about mathematics	-0.185	<b>0.014</b>
ztsignma	PSI	R:/ math teacher asking parents to sign	0.012	0.880
zsagelvl	TC	R:/ school head age level	0.202	<b>0.009</b>
zssex	TC	R:/ school head sex	0.184	<b>0.017</b>
zyagelvl	TC	D:/ math teacher age level	0.033	0.669
zycondli	TC	R:/ math teacher home condition	-0.029	0.709
zyhpos13	TC	D:/ math teacher total possessions at home [max=13]	0.176	<b>0.021</b>
zylight	TC	R:/ math teacher source of lighting	0.239	<b>0.002</b>
zysex	TC	R:/ math teacher sex	0.163	<b>0.034</b>
sqspec	TT	S/Qualification-special training	0.167	<b>0.031</b>
sqspecwk	TT	S/# Weeks special training	-0.088	0.500
stch1yr	TT	S/Teachers (1 Yr)	0.175	<b>0.024</b>
stch2yr	TT	S/Teachers (2 Yr)	0.098	0.204
stch3yr	TT	S/Teachers (3 Yr)	0.015	0.842
stchmore	TT	S/Teachers (More)	0.140	0.071
stchnott	TT	S/Teachers (No Tt)	-0.183	<b>0.018</b>
stchshor	TT	S/Teachers (Short)	0.127	0.101
zsqt	TT	R:/ school head teacher training	-0.094	0.223
zyinserv	TT	R:/ math teacher inservice training effectiveness	-0.090	0.419
zyqprof	TT	D:/ math teacher teacher training	0.182	0.017



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APPENDIX 56

SACMEQ OVERVIEW - READING

Variables	Domain/ construct	Description	Corr	Sig	N
zxsat01	A	R:/ reading teacher satisfaction-distance	0.057	<b>0.006</b>	2255
zxsat03	A	R:/ reading teacher satisfaction-school building quality	-0.018	0.402	2255
zxsat04	A	R:/ reading teacher satisfaction-teacher house availability	-0.100	<b>0.000</b>	2255
zxsat05	A	R:/ reading teacher satisfaction-teacher house quality	-0.018	0.385	2255
zxsat07	A	R:/ reading teacher satisfaction-classroom furniture quality	0.077	<b>0.000</b>	2255
zxsat08	A	R:/ reading teacher satisfaction-level of salary	0.119	<b>0.000</b>	2255
zxsat10	A	R:/ reading teacher satisfaction-pupil learn	0.093	<b>0.000</b>	2255
zxsat12	A	R:/ reading teacher satisfaction-school management quality	0.070	<b>0.001</b>	2255
zxsat13	A	R:/ reading teacher satisfaction-staff relationship	0.079	<b>0.000</b>	2255
zxsat14	A	R:/ reading teacher satisfaction-community relationship	0.021	0.330	2255
zxsat15	A	R:/ reading teacher satisfaction-promotion opportunity	0.088	<b>0.000</b>	2255
zxsat16	A	R:/ reading teacher satisfaction-further study	-0.005	0.801	2255
fx1tract	B	Reading Teacher activities (factor)	0.128	<b>0.000</b>	2255
fx1trappr	B	Teacher reading approach	0.171	<b>0.000</b>	2255
fx1zsacthd	B	School head activities (factor)	0.055	<b>0.009</b>	2279
fxzsschac	B	School activities (factor)	0.060	<b>0.004</b>	2279
pabsent	B	P/days absent	-0.196	<b>0.000</b>	2294
sexpall	B	S/sh altogether	-0.109	<b>0.000</b>	2279
sexptch	B	S/years teaching	0.070	<b>0.001</b>	2279
sexpthis	B	S/sh this school	-0.167	<b>0.000</b>	2279
slost	B	S/lost days	0.022	0.295	2279
tractmos	B	T/most important math activity	0.018	0.384	2255
trgoalmo	B	T/most important math goal	0.077	<b>0.000</b>	2255
xexper	B	T/years of teaching	0.137	<b>0.000</b>	2255
xmeeusua	B	T/pup's parents meet/year	0.252	<b>0.000</b>	2255
xoutwork	B	T/hours outside	-0.053	<b>0.011</b>	2255
zpabwhy2	B	R:/ reason absent-ill	0.061	<b>0.004</b>	2236
zpabwhy3	B	R:/ reason absent-family	-0.072	<b>0.001</b>	2236
zpabwhy4	B	R:/ reason absent-work	-0.264	<b>0.000</b>	2236
zpabwhy6	B	R:/ reason absent-fee not paid	0.092	<b>0.000</b>	2236
zpenglis	B	R:/ speaking English at home	0.351	<b>0.000</b>	2294
ztrepeng	B	R:/ reading teacher reporting comments on English	0.002	0.931	2255
zttestre	B	R:/ reading teacher frequency giving written reading test	0.027	0.199	2255
zxmeet	B	R:/ reading teacher frequency meeting parents	0.053	<b>0.012</b>	2255
fx1trgoal	C	Reading goals (factor)	0.175	<b>0.000</b>	2255
matotp	C	SCR:/ pupil math-all total raw score	0.874	<b>0.000</b>	2294
matott	C	SCR:/ teacher math-all total raw score	0.379	<b>0.000</b>	1869
ratotp	C	SCR:/ pupil reading-all total raw score	1.000		2294
ratott	C	SCR:/ teacher reading-all total raw score	0.232	<b>0.000</b>	1928
sqacadem	C	S/Qualification-academic	0.191	<b>0.000</b>	2279
stchprim	C	S/Teachers (primary only)	0.009	0.663	2279
stchseco	C	S/Teachers (secondary)	0.107	<b>0.000</b>	2279
stchtert	C	S/Teachers (tertiary)	0.167	<b>0.000</b>	2279
zstchaca	C	D:/ ratio teachers having tertiary academic education	0.087	<b>0.000</b>	2279
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.078	<b>0.000</b>	2279
pexteng	ETC	P/extra tuition-subject	-0.046	<b>0.026</b>	2294
pextoth	ETC	P/extra tuition-subject	0.228	<b>0.000</b>	2294
sborrow	ETC	S/pupils can borrow books	0.114	<b>0.000</b>	2279
sclass	ETC	S/# of classes	0.190	<b>0.000</b>	2279
sclass6	ETC	S/# of classes G6	0.178	<b>0.000</b>	2279
zpextpay	ETC	R:/ paying for extra tuitions	-0.316	<b>0.000</b>	2057
zsbldgco	ETC	R:/ school building condition	-0.227	<b>0.000</b>	2279
zslocati	ETC	R:/ school location	0.371	<b>0.000</b>	2279
zsptrati	ETC	D:/ pupils-teacher ratio	-0.248	<b>0.000</b>	2279
zspupgir	ETC	D:/ ratio girls	0.015	0.473	2279



zsrto22	ETC	D:/ total school resources [max=22]	0.425	<b>0.000</b>	2279
zssessnu	ETC	D:/ the number of shifts	-0.084	<b>0.000</b>	2279
zstoitot	ETC	D:/ the number of toilets	0.277	<b>0.000</b>	2279
fxaccess	ITC	Teachers' access to material (factor)	0.133	<b>0.000</b>	2255
fxzpmat	ITC	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.299	<b>0.000</b>	2294
sminutes	ITC	S/Minutes/periods	-0.127	<b>0.000</b>	2277
speriods	ITC	S/# Periods	-0.259	<b>0.000</b>	2279
xclsize	ITC	D:/Reading Class Size	-0.047	<b>0.026</b>	2294
xminutes	ITC	T/Minuts/lesson	0.015	0.477	2255
xperiods	ITC	T/Periods/week	-0.057	<b>0.007</b>	2255
zpborrow	ITC	R:/ borrow books	0.103	<b>0.000</b>	1850
zphmwkr	ITC	R:/ being given reading homework	0.192	<b>0.000</b>	2294
zphmwkrc	ITC	R:/ being corrected reading homework	0.092	<b>0.000</b>	2219
zpsit	ITC	R:/ sitting place	0.156	<b>0.000</b>	2294
zptextr	ITC	R:/ sharing/owning reading textbooks	0.119	<b>0.000</b>	2294
zpwite	ITC	R:/ writing place	0.173	<b>0.000</b>	2294
zxclfurn	ITC	D:/ reading teacher total class furniture [max=5]	0.154	<b>0.000</b>	2242
zxcres8	ITC	D:/ reading teacher total class resources [max=8]	0.154	<b>0.000</b>	2242
zxyclbks	ITC	D:/ the number of classroom books	-0.064	<b>0.003</b>	2179
pmeal1	PEPC	P/morning meal	0.175	<b>0.000</b>	2294
pmeal2	PEPC	P/lunch	0.150	<b>0.000</b>	2294
pmeal3	PEPC	P/evening meal	0.177	<b>0.000</b>	2294
prepeat6	PEPC	P/repeating G6	-0.206	<b>0.000</b>	2294
pstay	PEPC	P/place to stay	-0.125	<b>0.000</b>	2294
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.292	<b>0.000</b>	2294
zpboksh	PEPC	D:/ the number of books at home	0.333	<b>0.000</b>	2294
zprepeat	PEPC	R:/ grade repetition	-0.328	<b>0.000</b>	2294
zpses	PEPC	D:/ pupil's SES	0.497	<b>0.000</b>	2294
zpssex	PEPC	R:/ pupil sex	0.034	0.101	2294
fx1zscmm	PSI	Community involvement	0.302	<b>0.000</b>	2279
fx2zscmm	PSI	Community involvement	-0.106	<b>0.000</b>	2279
phmwkhlp	PSI	P/Homework-help	0.226	<b>0.000</b>	2294
sprobcom	PSI	S/Community problems	-0.072	<b>0.001</b>	2279
zphmwkdn	PSI	R:/ homework-make sure	0.299	<b>0.000</b>	2289
zplookwk	PSI	R:/ being looked at the school work	0.244	<b>0.000</b>	2294
zpquestr	PSI	R:/ being asked questions about any subject	0.097	<b>0.000</b>	2294
zpread	PSI	R:/ being asked to read	0.003	0.881	2294
zsignen	PSI	R:/ reading teacher asking parents to sign	0.083	<b>0.000</b>	2255
zsagelvl	TC	R:/ school head age level	0.006	0.765	2278
zssex	TC	R:/ school head sex	0.076	<b>0.000</b>	2276
zxagelvl	TC	D:/ reading teacher age level	0.092	<b>0.000</b>	2255
zxcondli	TC	R:/ reading teacher home condition	0.179	<b>0.000</b>	2255
zxhpos13	TC	D:/ reading teacher total possessions at home [max=13]	0.250	<b>0.000</b>	2255
zxlght	TC	R:/ reading teacher source of lighting	0.267	<b>0.000</b>	2255
zxsex	TC	R:/ reading teacher sex	0.164	<b>0.000</b>	2239
sqspecc	TT	S/qualification-special t	0.070	<b>0.001</b>	2269
sqspeccwk	TT	S/# weeks special trg	0.024	0.315	1791
stch1yr	TT	S/teachers (1 yr)	-0.028	0.180	2279
stch2yr	TT	S/teachers (2 yr)	0.215	<b>0.000</b>	2279
stch3yr	TT	S/teachers (3 yr)	0.037	0.081	2279
stchmore	TT	S/teachers (more)	0.179	<b>0.000</b>	2279
stchnott	TT	S/teachers (no tt)	-0.049	<b>0.020</b>	2249
stchshor	TT	S/teachers (short)	-0.051	<b>0.016</b>	2279
zsqt	TT	R:/ school head teacher training	-0.010	0.623	2279
zxinserv	TT	R:/ reading teacher inservice training effectiveness	-0.078	<b>0.004</b>	1383
zxqprof	TT	D:/ reading teacher teacher training	0.101	<b>0.000</b>	2255

## APPENDIX 56

### SACMEQ OVERVIEW - MATHEMATICS



Variables	Domain/ construct	Description	Corr	Sig	N
zysat01	A	R:/ math teacher satisfaction-distance	0.061	<b>0.004</b>	2218
zysat03	A	R:/ math teacher satisfaction-school building quality	-0.019	0.367	2218
zysat04	A	R:/ math teacher satisfaction-teacher house availability	-0.164	<b>0.000</b>	2218
zysat05	A	R:/ math teacher satisfaction-teacher house quality	-0.086	<b>0.000</b>	2218
zysat07	A	R:/ math teacher satisfaction-classroom furniture quality	0.049	<b>0.020</b>	2218
zysat08	A	R:/ math teacher satisfaction-level of salary	0.115	<b>0.000</b>	2218
zysat10	A	R:/ math teacher satisfaction-pupil learn	0.072	<b>0.001</b>	2218
zysat12	A	R:/ math teacher satisfaction-school management quality	0.052	<b>0.015</b>	2218
zysat13	A	R:/ math teacher satisfaction-staff relationship	0.046	<b>0.030</b>	2218
zysat14	A	R:/ math teacher satisfaction-community relationship	-0.002	0.915	2218
zysat15	A	R:/ math teacher satisfaction-promotion opportunity	0.111	<b>0.000</b>	2218
zysat16	A	R:/ math teacher satisfaction-further study	-0.024	0.255	2218
fy1mappr	B	Teacher math approach	0.137	<b>0.000</b>	2177
fy1tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.053	<b>0.014</b>	2202
fy1zsacthd	B	School head activities	0.024	0.245	2279
fy2mappr	B	Teacher math approach	0.055	<b>0.011</b>	2177
fy2tmact	B	T/math teachers' activity pairs, alone, posters, equipment, homework, graphs,	-0.072	<b>0.001</b>	2202
fy2zsacthd	B	School head activities	0.001	0.963	2279
fyzsschac	B	School activities	0.044	<b>0.036</b>	2279
pabsent	B	P/days absent	-0.134	<b>0.000</b>	2294
sexpall	B	S/sh altogether	-0.146	<b>0.000</b>	2279
sexptch	B	S/years teaching	0.083	<b>0.000</b>	2279
sexpthis	B	S/sh this school	-0.217	<b>0.000</b>	2279
slost	B	S/lost days	0.054	<b>0.009</b>	2279
tmactmos	B	T/most important math activity	0.043	<b>0.046</b>	2199
tmgoalmo	B	T/most important math goal	-0.021	0.323	2200
yexper	B	D:/Mathematics Class Size	0.128	<b>0.000</b>	2218
youtwork	B	T/HOURS OUTSIDE	-0.102	<b>0.000</b>	2218
zpabwhy2	B	R:/ reason absent-ill	0.019	0.381	2236
zpabwhy3	B	R:/ reason absent-family	-0.070	<b>0.001</b>	2236
zpabwhy4	B	R:/ reason absent-fee not paid	-0.251	<b>0.000</b>	2236
zpabwhy6	B	R:/ reason absent-work	0.104	<b>0.000</b>	2236
zpenglis	B	R:/ speaking English at home	0.274	<b>0.000</b>	2294
ztrepmat	B	R:/ math teacher reporting comments on Mathematics	0.017	0.429	2218
ztestma	B	R:/ math teacher frequency giving written math test	-0.053	<b>0.014</b>	2200
zymeet	B	R:/ math teacher frequency meeting parents	0.075	<b>0.000</b>	2218
fy1tmgoal	C	Math goals (factor)	0.050	<b>0.021</b>	2142
fy2tmgoal	C	Math goals (factor)	0.092	<b>0.000</b>	2142
matott	C	SCR:/ teacher math-all total raw score	0.421	<b>0.000</b>	1869
ratotp	C	SCR:/ pupil reading-all total raw score	0.874	<b>0.000</b>	2294
ratott	C	SCR:/ teacher reading-all total raw score	0.223	<b>0.000</b>	1928
sqacadem	C	S/qualification-academic	0.179	<b>0.000</b>	2279
stchprim	C	S/teachers (primary only)	-0.044	<b>0.038</b>	2279
stchseco	C	S/teachers (secondary)	0.121	<b>0.000</b>	2279
stchtert	C	S/teachers (tertiary)	0.101	<b>0.000</b>	2279
yqacad	C	T/qualif-academic	0.217	<b>0.000</b>	2218
zstchaca	C	D:/ ratio teachers having tertiary academic education	0.042	<b>0.047</b>	2279
bigshift	ETC	D:/ the maximum number of pupils among shifts	0.044	<b>0.037</b>	2279
pexteng	ETC	P/extra tuition-subject	0.059	<b>0.005</b>	2294
pextoth	ETC	P/extra tuition-subject	0.330	<b>0.000</b>	2294
sclass	ETC	S/# of classes	0.139	<b>0.000</b>	2279
sclass6	ETC	S/# of classes G6	0.160	<b>0.000</b>	2279
zpextpay	ETC	R:/ paying for extra tuitions	-0.382	<b>0.000</b>	2057
zsbldgco	ETC	R:/ school building condition	-0.231	<b>0.000</b>	2279
zslocati	ETC	R:/ school location	0.286	<b>0.000</b>	2279
zsprati	ETC	D:/ pupils-teacher ratio	-0.218	<b>0.000</b>	2279
zspupgir	ETC	D:/ ratio girls	-0.043	<b>0.041</b>	2279
zsrrot22	ETC	D:/ total school resources [max=22]	0.390	<b>0.000</b>	2279



zssessnu	ETC	D:/ the number of shifts	-0.103	<b>0.000</b>	2279
zstoitot	ETC	D:/ the number of toilets	0.243	<b>0.000</b>	2279
fy1access	ITC	fy1access	0.181	<b>0.000</b>	2218
fy2access	ITC	fy2access	-0.071	<b>0.001</b>	2218
fyzpmat	ITC	fyzpmat	-0.288	<b>0.000</b>	2294
sminutes	ITC	S/Minutes/Periods	-0.138	<b>0.000</b>	2277
speriods	ITC	S/# Periods	-0.252	<b>0.000</b>	2279
yclsiz	ITC	D:/Mathematics Class Size	-0.054	<b>0.010</b>	2294
yminutes	ITC	T/Minutes/lesson	0.084	<b>0.000</b>	2218
yperiods	ITC	T/Periods/week	-0.081	<b>0.000</b>	2218
zpborrow	ITC	R:/ borrow books	0.118	<b>0.000</b>	1850
zpsit	ITC	R:/ sitting place	0.104	<b>0.000</b>	2294
zptextm	ITC	R:/ sharing/owning mathematics textbooks	0.172	<b>0.000</b>	2294
zpwrit	ITC	R:/ writing place	0.115	<b>0.000</b>	2294
zxcylbks	ITC	D:/ the number of classroom books	-0.083	<b>0.000</b>	2179
zycfurn	ITC	D:/ math teacher total class furniture [max=5]	0.123	<b>0.000</b>	2206
zycres8	ITC	D:/ math teacher total class resources [max=8]	0.117	<b>0.000</b>	2206
zphmwkm	ITC	P/math homework-given	0.310	<b>0.000</b>	2294
zphmwkmc	ITC	P/math homework-correct	0.110	<b>0.000</b>	2276
pmeal1	PEPC	P/morning meal	0.189	<b>0.000</b>	2294
pmeal2	PEPC	P/lunch	0.169	<b>0.000</b>	2294
pmeal3	PEPC	P/evening meal	0.198	<b>0.000</b>	2294
prepeat6	PEPC	P/repeating G6	-0.134	<b>0.000</b>	2294
pstay	PEPC	P/place to stay	-0.120	<b>0.000</b>	2294
zpagemon	PEPC	D:/ pupil's age in months rounded to the nearest month	-0.318	<b>0.000</b>	2294
zpboksh	PEPC	D:/ the number of books at home	0.331	<b>0.000</b>	2294
zprepeat	PEPC	R:/ grade repetition	-0.303	<b>0.000</b>	2294
zpses	PEPC	D:/ pupil's SES	0.450	<b>0.000</b>	2294
zpssex	PEPC	R:/ pupil sex	-0.047	<b>0.025</b>	2294
fy1zscmm	PSI	Community involvement	0.255	<b>0.000</b>	2279
fy2zscmm	PSI	Community involvement	-0.108	<b>0.000</b>	2279
phmwkhlp	PSI	P/Homework-help	0.146	<b>0.000</b>	2294
sprobcom	PSI	S/Community problem	-0.107	<b>0.000</b>	2279
zpcalc	PSI	R:/ being asked to calculate	0.101	<b>0.000</b>	2294
zphmwkdn	PSI	R:/ homework-make sure	0.251	<b>0.000</b>	2289
zplookwk	PSI	R:/ being looked at the school work	0.187	<b>0.000</b>	2294
zpqestm	PSI	R:/ being asked questions about mathematics	0.069	<b>0.001</b>	2294
ztsigma	PSI	R:/ math teacher asking parents to sign	-0.003	0.901	2218
zsagelvl	TC	R:/ school head age level	0.010	0.635	2278
zssex	TC	R:/ school head sex	0.025	0.225	2276
zyagelvl	TC	D:/ math teacher age level	0.075	<b>0.000</b>	2218
zycondli	TC	R:/ math teacher home condition	0.196	<b>0.000</b>	2218
zyhpos13	TC	D:/ math teacher total possessions at home [max=13]	0.237	<b>0.000</b>	2218
zylight	TC	R:/ math teacher source of lighting	0.226	<b>0.000</b>	2218
zysex	TC	R:/ math teacher sex	-0.044	<b>0.039</b>	2198
sqspec	TT	S/qualification-special t	0.081	<b>0.000</b>	2269
sqspecwk	TT	S/# weeks special trg	0.073	<b>0.002</b>	1791
stch1yr	TT	S/teachers (1 yr)	-0.019	0.362	2279
stch2yr	TT	S/teachers (2 yr)	0.180	<b>0.000</b>	2279
stch3yr	TT	S/teachers (3 yr)	-0.027	0.197	2279
stchmore	TT	S/teachers (more)	0.173	<b>0.000</b>	2279
stchnott	TT	S/teachers (no tt)	-0.040	0.059	2249
stchshor	TT	S/teachers (short)	-0.053	<b>0.012</b>	2279
zsqt	TT	R:/ school head teacher training	-0.024	0.243	2279
zyinserv	TT	R:/ math teacher inservice training effectiveness	-0.073	0.007	1352
zyqprof	TT	D:/ math teacher teacher training	0.055	0.010	2218
sborrow		S/Pupils can borrow books	0.158	0.000	2279



**APPENDIX 57**  
**MOZAMBIQUE COGNITIVE DOMAIN - READING**

Prov	Variable	Description	Pearson Cor	Sig	N
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	14
	matotp	SCR:/ teacher math-all total raw score	0.874	0.000	14
	ratott	SCR:/ teacher reading-all total raw score	-0.138	0.638	14
	xqacad	S/qualification-academic	0.170	0.561	14
	fxtrgoal	Reading goals (factor)	-0.189	0.518	14
	stchprim	S/Teachers (primary only)	0.123	0.675	14
	stchseco	S/Teachers (secondary)	-0.416	0.139	14
	stchtert	S/Teachers (tertiary)	-0.204	0.484	14
	zstchaca	D:/ ratio teachers having tertiary academic education	0.280	0.332	14
	sqacadem	School head qualification-academic	-0.141	0.631	14
GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	15
	matotp	SCR:/ teacher math-all total raw score	0.832	0.000	15
	ratott	SCR:/ teacher reading-all total raw score	0.214	0.462	14
	xqacad	S/qualification-academic	-0.067	0.820	14
	fxtrgoal	Reading goals (factor)	-0.011	0.971	14
	stchprim	S/Teachers (primary only)	0.437	0.104	15
	stchseco	S/Teachers (secondary)	-0.160	0.569	15
	stchtert	S/Teachers (tertiary)	-0.204	0.467	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.230	0.410	15
	sqacadem	School head qualification-academic	-0.016	0.955	15
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	14
	matotp	SCR:/ teacher math-all total raw score	0.712	0.004	14
	ratott	SCR:/ teacher reading-all total raw score	-0.164	0.576	14
	xqacad	S/qualification-academic	0.370	0.192	14
	fxtrgoal	Reading goals (factor)	0.271	0.348	14
	stchprim	S/Teachers (primary only)	0.408	0.166	13
	stchseco	S/Teachers (secondary)	0.026	0.933	13
	stchtert	S/Teachers (tertiary)	0.136	0.659	13
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.046	0.881	13
	sqacadem	School head qualification-academic	0.314	0.297	13
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	20
	matotp	SCR:/ teacher math-all total raw score	0.584	0.007	20
	ratott	SCR:/ teacher reading-all total raw score	0.027	0.911	20
	xqacad	S/qualification-academic	-0.233	0.324	20
	fxtrgoal	Reading goals (factor)	0.074	0.757	20
	stchprim	S/Teachers (primary only)	0.223	0.374	18
	stchseco	S/Teachers (secondary)	0.102	0.686	18
	stchtert	S/Teachers (tertiary)	-0.104	0.680	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.355	0.149	18
	sqacadem	School head qualification-academic	0.470	0.049	18
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000	.	15
	matotp	SCR:/ teacher math-all total raw score	0.786	0.001	15
	ratott	SCR:/ teacher reading-all total raw score	0.010	0.973	14
	xqacad	S/qualification-academic	0.093	0.751	14
	stchprim	S/Teachers (primary only)	-0.377	0.252	11





	stchseco	S/Teachers (secondary)	0.273	0.417	11
	stchtert	S/Teachers (tertiary)	0.380	0.250	11
	zstchaca	D:/ ratio teachers having tertiary academic education	0.233	0.491	11
	sqacadem	School head qualification-academic	0.201	0.554	11
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.667	0.007	15
	ratott	SCR:/ teacher reading-all total raw score	0.297	0.283	15
	xqacad	S/qualification-academic	0.022	0.937	15
	fxtrgoal	Reading goals (factor)	0.098	0.728	15
	stchprim	S/Teachers (primary only)	-0.285	0.303	15
	stchseco	S/Teachers (secondary)	0.337	0.219	15
	stchtert	S/Teachers (tertiary)	0.150	0.594	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.014	0.959	15
	sqacadem	School head qualification-academic	0.381	0.161	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	matotp	SCR:/ teacher math-all total raw score	0.608	0.004	20
	ratott	SCR:/ teacher reading-all total raw score	0.074	0.758	20
	xqacad	S/qualification-academic	0.079	0.740	20
	fxtrgoal	Reading goals (factor)	-0.026	0.913	20
	stchprim	S/Teachers (primary only)	-0.306	0.190	20
	stchseco	S/Teachers (secondary)	0.232	0.325	20
	stchtert	S/Teachers (tertiary)	0.011	0.965	20
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.055	0.818	20
	sqacadem	School head qualification-academic	0.184	0.438	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.572	0.026	15
	ratott	SCR:/ teacher reading-all total raw score	0.232	0.406	15
	xqacad	S/qualification-academic	-0.337	0.220	15
	fxtrgoal	Reading goals (factor)	0.242	0.385	15
	stchprim	S/Teachers (primary only)	0.029	0.923	14
	stchseco	S/Teachers (secondary)	-0.433	0.122	14
	stchtert	S/Teachers (tertiary)	-0.384	0.175	14
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.185	0.527	14
	sqacadem	School head qualification-academic	-0.080	0.786	14
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.783	0.001	15
	ratott	SCR:/ teacher reading-all total raw score	0.137	0.640	14
	xqacad	S/qualification-academic	-0.067	0.821	14
	fxtrgoal	Reading goals (factor)	0.051	0.861	14
	stchprim	S/Teachers (primary only)	-0.028	0.920	15
	stchseco	S/Teachers (secondary)	0.130	0.643	15
	stchtert	S/Teachers (tertiary)	0.100	0.724	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.078	0.781	15
	sqacadem	School head qualification-academic	0.088	0.756	15
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	matotp	SCR:/ teacher math-all total raw score	0.597	0.019	15
	ratott	SCR:/ teacher reading-all total raw score	0.616	0.015	15
	xqacad	S/qualification-academic	-0.120	0.670	15
	fxtrgoal	Reading goals (factor)	-0.266	0.338	15
	stchprim	S/Teachers (primary only)	-0.171	0.543	15



	stchseco	S/Teachers (secondary)	0.055	0.845	15
	stchtert	S/Teachers (tertiary)	0.075	0.790	15
	zstchaca	D:/ ratio teachers having tertiary academic education	0.054	0.847	15
	sqacadem	School head qualification-academic	-0.118	0.675	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	matotp	SCR:/ teacher math-all total raw score	0.764	0.000	18
	ratott	SCR:/ teacher reading-all total raw score	-0.045	0.865	17
	xqacad	S/qualification-academic	0.167	0.507	18
	fxtrgoal	Reading goals (factor)	0.075	0.767	18
	stchprim	S/Teachers (primary only)	-0.011	0.966	18
	stchseco	S/Teachers (secondary)	-0.052	0.836	18
	stchtert	S/Teachers (tertiary)	0.335	0.174	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.070	0.784	18
	sqacadem	School head qualification-academic	0.274	0.271	18
**	Correlation is significant at the 0.01 level (2-tailed)				
*	Correlation is significant at the 0.05 level (2-tailed)				

## APPENDIX 57

### MOZAMBIQUE COGNITIVE DOMAIN - MATHEMATICS

Prov	CAB	Variable	Description	Pearson Cor	Sig	N
		matotp	SCR:/ Pupils math-all total raw score	1.000		14
		matott	SCR:/ teacher math-all total raw score	0.095	0.746	14
		yqacad	T/Qualif-academic	-0.478	0.084	14
		fytmgoal	T/maths goal (factor)	-0.502	0.067	14
		stchprim	S/Teachers (primary only)	0.264	0.361	14
		stchseco	S/Teachers (secondary)	-0.337	0.239	14
		stchtert	S/Teachers (tertiary)	-0.250	0.388	14
		zstchaca	D:/ ratio teachers having tertiary academic education	0.133	0.651	14
GAZ		sqacadem	School head qualification-Academic	-0.311	0.279	14
		matotp	SCR:/ Pupils math-all total raw score	1.000		15
		matott	SCR:/ teacher math-all total raw score	-0.237	0.415	14
		yqacad	T/Qualif-academic	0.204	0.485	14
		fytmgoal	T/maths goal (factor)	-0.194	0.505	14
		stchprim	S/Teachers (primary only)	0.396	0.144	15
		stchseco	S/Teachers (secondary)	-0.150	0.594	15
		stchtert	S/Teachers (tertiary)	-0.305	0.269	15
		zstchaca	D:/ ratio teachers having tertiary academic education	-0.096	0.733	15
INH		sqacadem	School head qualification-Academic	-0.193	0.491	15
		matotp	SCR:/ Pupils math-all total raw score	1.000		14
		matott	SCR:/ teacher math-all total raw score	-0.588	0.044	12
		yqacad	T/Qualif-academic	-0.350	0.242	13
		fytmgoal	T/maths goal (factor)	0.023	0.939	13
		stchprim	S/Teachers (primary only)	0.595	0.032	13
		stchseco	S/Teachers (secondary)	0.187	0.540	13
		stchtert	S/Teachers (tertiary)	-0.159	0.604	13
		zstchaca	D:/ ratio teachers having tertiary academic education	-0.414	0.160	13
MAC		sqacadem	School head qualification-Academic	0.167	0.586	13
		matotp	SCR:/ Pupils math-all total raw score	1.000		20
		matott	SCR:/ teacher math-all total raw score	-0.248	0.291	20



	yqacad	T/Qualif-academic	-0.251	0.286	20
	fytmgoal	T/maths goal (factor)	0.230	0.344	19
	stchprim	S/Teachers (primary only)	0.050	0.843	18
	stchseco	S/Teachers (secondary)	0.265	0.289	18
	stchtert	S/Teachers (tertiary)	0.018	0.945	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.271	0.277	18
MAN	sqacadem	School head qualification-Academi	0.442	0.066	18
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	-0.114	0.697	14
	yqacad	T/Qualif-academic	-0.692	0.006	14
	fytmgoal	T/maths goal (factor)	-0.516	0.059	14
	stchprim	S/Teachers (primary only)	-0.199	0.557	11
	stchseco	S/Teachers (secondary)	-0.028	0.935	11
	stchtert	S/Teachers (tertiary)	-0.060	0.861	11
	zstchaca	D:/ ratio teachers having tertiary academic education	0.019	0.956	11
MAP	sqacadem	School head qualification-Academi	-0.066	0.847	11
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.274	0.324	15
	yqacad	T/Qualif-academic	0.064	0.820	15
	fytmgoal	T/maths goal (factor)	0.553	0.032	15
	stchprim	S/Teachers (primary only)	-0.399	0.140	15
	stchseco	S/Teachers (secondary)	-0.027	0.923	15
	stchtert	S/Teachers (tertiary)	-0.039	0.891	15
	zstchaca	D:/ ratio teachers having tertiary academic education	0.239	0.391	15
NAM	sqacadem	School head qualification-Academi	0.259	0.351	15
	matotp	SCR:/ Pupils math-all total raw score	1.000		20
	matott	SCR:/ teacher math-all total raw score	0.065	0.785	20
	yqacad	T/Qualif-academic	-0.227	0.336	20
	fytmgoal	T/maths goal (factor)	-0.235	0.319	20
	stchprim	S/Teachers (primary only)	-0.598	0.005	20
	stchseco	S/Teachers (secondary)	0.467	0.038	20
	stchtert	S/Teachers (tertiary)	0.041	0.863	20
	zstchaca	D:/ ratio teachers having tertiary academic education	0.149	0.531	20
NIA	sqacadem	School head qualification-Academi	0.255	0.278	20
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.064	0.827	14
	yqacad	T/Qualif-academic	0.147	0.616	14
	fytmgoal	T/maths goal (factor)	0.248	0.392	14
	stchprim	S/Teachers (primary only)	0.438	0.117	14
	stchseco	S/Teachers (secondary)	-0.166	0.570	14
	stchtert	S/Teachers (tertiary)	-0.453	0.104	14
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.717	0.004	14
SOF	sqacadem	School head qualification-Academi	-0.424	0.131	14
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.089	0.772	13
	yqacad	T/Qualif-academic	0.567	0.035	14
	fytmgoal	T/maths goal (factor)	-0.186	0.525	14
	stchprim	S/Teachers (primary only)	-0.128	0.650	15
	stchseco	S/Teachers (secondary)	0.009	0.976	15
	stchtert	S/Teachers (tertiary)	-0.319	0.247	15
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.278	0.316	15



TET	sqacadem	School head qualification-Academi	-0.233	0.404	15
	matotp	SCR:/ Pupils math-all total raw score	1.000		15
	matott	SCR:/ teacher math-all total raw score	0.146	0.604	15
	yqacad	T/Qualif-academic	0.136	0.628	15
	fytmgoal	T/maths goal (factor)	0.110	0.697	15
	stchprim	S/Teachers (primary only)	-0.183	0.514	15
	stchseco	S/Teachers (secondary)	-0.223	0.425	15
	stchtert	S/Teachers (tertiary)	-0.406	0.133	15
	zstchaca	D:/ ratio teachers having tertiary academic education	0.069	0.807	15
ZAM	sqacadem	School head qualification-Academi	-0.158	0.574	15
	matotp	SCR:/ Pupils math-all total raw score	1.000		18
	matott	SCR:/ teacher math-all total raw score	0.218	0.400	17
	yqacad	T/Qualif-academic	-0.107	0.672	18
	fytmgoal	T/maths goal (factor)	-0.341	0.181	17
	stchprim	S/Teachers (primary only)	-0.039	0.877	18
	stchseco	S/Teachers (secondary)	0.036	0.886	18
	stchtert	S/Teachers (tertiary)	-0.016	0.949	18
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.208	0.407	18
*	sqacadem	School head qualification-Academi	0.114	0.654	18

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)



**APPENDIX 58**  
**MOZAMBIQUE AFFECTIVE DOMAIN - READING**

Prov	Variables	Description	Corr	Sig	N	
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14	
	zxsat01	R:/ reading teacher satisfaction-distance	0.619	0.018	14	
	zxsat03	R:/ reading teacher satisfaction-school building quality	-0.040	0.892	14	
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	-0.078	0.791	14	
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	-0.524	0.055	14	
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	0.258	0.372	14	
	zxsat08	R:/ reading teacher satisfaction-level of salary	-0.467	0.092	14	
	zxsat10	R:/ reading teacher satisfaction-pupil learn	-0.016	0.958	14	
	zxsat12	R:/ reading teacher satisfaction-school management quality	-0.389	0.170	14	
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.217	0.457	14	
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.191	0.514	14	
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.071	0.809	14	
	zxsat16	R:/ reading teacher satisfaction-further study	0.074	0.802	14	
	GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
		zxsat01	R:/ reading teacher satisfaction-distance	0.375	0.187	14
		zxsat03	R:/ reading teacher satisfaction-school building quality	0.464	0.095	14
		zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.349	0.221	14
zxsat05		R:/ reading teacher satisfaction-teacher house quality	0.557	0.038	14	
zxsat07		R:/ reading teacher satisfaction-classroom furniture quality	0.410	0.145	14	
zxsat08		R:/ reading teacher satisfaction-level of salary	0.154	0.600	14	
zxsat10		R:/ reading teacher satisfaction-pupil learn	-0.227	0.436	14	
zxsat12		R:/ reading teacher satisfaction-school management quality	0.137	0.639	14	
zxsat13		R:/ reading teacher satisfaction-staff relationship	0.452	0.105	14	
zxsat14		R:/ reading teacher satisfaction-community relationship	0.234	0.420	14	
zxsat15		R:/ reading teacher satisfaction-promotion opportunity	0.003	0.992	14	
zxsat16		R:/ reading teacher satisfaction-further study	0.009	0.976	14	
INH		ratotp	SCR:/ pupil reading-all total raw score	1.000		14
		zxsat01	R:/ reading teacher satisfaction-distance	-0.156	0.593	14
		zxsat03	R:/ reading teacher satisfaction-school building quality	0.368	0.196	14
		zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.020	0.947	14
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	0.075	0.799	14	
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	0.287	0.321	14	
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.247	0.394	14	
	zxsat10	R:/ reading teacher satisfaction-pupil learn	-0.393	0.165	14	
	zxsat12	R:/ reading teacher satisfaction-school management quality	-0.383	0.176	14	
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.188	0.520	14	
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.338	0.237	14	
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.008	0.979	14	
	zxsat16	R:/ reading teacher satisfaction-further study	0.295	0.305	14	
	MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
		zxsat01	R:/ reading teacher satisfaction-distance	0.428	0.060	20
		zxsat03	R:/ reading teacher satisfaction-school building quality	0.066	0.783	20
		zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.277	0.237	20
zxsat05		R:/ reading teacher satisfaction-teacher house quality	-0.142	0.550	20	
zxsat07		R:/ reading teacher satisfaction-classroom furniture quality	0.085	0.723	20	
zxsat08		R:/ reading teacher satisfaction-level of salary	0.105	0.659	20	



	zxsat10	R:/ reading teacher satisfaction-pupil learr	.(a)	.	20
	zxsat12	R:/ reading teacher satisfaction-school management qualit	0.375	0.104	20
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.212	0.370	20
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.291	0.214	20
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	0.043	0.859	20
	zxsat16	R:/ reading teacher satisfaction-further study	0.037	0.877	20
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	-0.283	0.327	14
	zxsat03	R:/ reading teacher satisfaction-school building qualit	-0.156	0.595	14
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.419	0.135	14
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	0.377	0.184	14
	zxsat07	R:/ reading teacher satisfaction-classroom furniture qualit	0.163	0.577	14
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.391	0.167	14
	zxsat10	R:/ reading teacher satisfaction-pupil learr	.(a)	.	14
	zxsat12	R:/ reading teacher satisfaction-school management qualit	0.212	0.467	14
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.381	0.179	14
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.381	0.179	14
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	0.361	0.205	14
	zxsat16	R:/ reading teacher satisfaction-further study	-0.054	0.854	14
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	0.593	0.020	15
	zxsat03	R:/ reading teacher satisfaction-school building qualit	0.054	0.848	15
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.337	0.220	15
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	0.019	0.945	15
	zxsat07	R:/ reading teacher satisfaction-classroom furniture qualit	-0.284	0.304	15
	zxsat08	R:/ reading teacher satisfaction-level of salary	.(a)	.	15
	zxsat10	R:/ reading teacher satisfaction-pupil learr	.(a)	.	15
	zxsat12	R:/ reading teacher satisfaction-school management qualit	-0.122	0.666	15
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.253	0.364	15
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.291	0.292	15
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	0.593	0.020	15
	zxsat16	R:/ reading teacher satisfaction-further study	-0.132	0.639	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zxsat01	R:/ reading teacher satisfaction-distance	0.243	0.303	20
	zxsat03	R:/ reading teacher satisfaction-school building qualit	-0.289	0.216	20
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.251	0.285	20
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	-0.215	0.362	20
	zxsat07	R:/ reading teacher satisfaction-classroom furniture qualit	0.069	0.773	20
	zxsat08	R:/ reading teacher satisfaction-level of salary	-0.245	0.298	20
	zxsat10	R:/ reading teacher satisfaction-pupil learr	0.189	0.424	20
	zxsat12	R:/ reading teacher satisfaction-school management qualit	-0.387	0.092	20
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.335	0.149	20
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.031	0.896	20
	zxsat15	R:/ reading teacher satisfaction-promotion opportunit	-0.429	0.059	20
	zxsat16	R:/ reading teacher satisfaction-further study	-0.264	0.261	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	-0.299	0.278	15
	zxsat03	R:/ reading teacher satisfaction-school building qualit	-0.086	0.760	15
	zxsat04	R:/ reading teacher satisfaction-teacher house availabilit	0.155	0.580	15
	zxsat05	R:/ reading teacher satisfaction-teacher house qualit	-0.220	0.431	15



	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	-0.439	0.102	15
	zxsat08	R:/ reading teacher satisfaction-level of salary	-0.216	0.439	15
	zxsat10	R:/ reading teacher satisfaction-pupil learr	0.219	0.433	15
	zxsat12	R:/ reading teacher satisfaction-school management qualitt	0.255	0.360	15
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.190	0.497	15
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.118	0.675	15
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	-0.261	0.348	15
	zxsat16	R:/ reading teacher satisfaction-further study	-0.004	0.989	15
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	-0.153	0.600	14
	zxsat03	R:/ reading teacher satisfaction-school building quality	-0.028	0.925	14
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.334	0.244	14
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	0.025	0.932	14
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	-0.117	0.689	14
	zxsat08	R:/ reading teacher satisfaction-level of salary	.(a)	.	14
	zxsat10	R:/ reading teacher satisfaction-pupil learr	.(a)	.	14
	zxsat12	R:/ reading teacher satisfaction-school management quality	-0.230	0.428	14
	zxsat13	R:/ reading teacher satisfaction-staff relationship	-0.101	0.732	14
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.217	0.455	14
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	-0.033	0.910	14
	zxsat16	R:/ reading teacher satisfaction-further study	0.074	0.801	14
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zxsat01	R:/ reading teacher satisfaction-distance	0.506	0.054	15
	zxsat03	R:/ reading teacher satisfaction-school building quality	0.307	0.266	15
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.024	0.932	15
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	-0.053	0.852	15
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	0.116	0.682	15
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.389	0.152	15
	zxsat10	R:/ reading teacher satisfaction-pupil learr	-0.134	0.634	15
	zxsat12	R:/ reading teacher satisfaction-school management quality	0.403	0.136	15
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.243	0.382	15
	zxsat14	R:/ reading teacher satisfaction-community relationship	0.476	0.073	15
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.427	0.113	15
	zxsat16	R:/ reading teacher satisfaction-further study	0.228	0.414	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	zxsat01	R:/ reading teacher satisfaction-distance	-0.361	0.141	18
	zxsat03	R:/ reading teacher satisfaction-school building quality	0.082	0.746	18
	zxsat04	R:/ reading teacher satisfaction-teacher house availability	0.341	0.166	18
	zxsat05	R:/ reading teacher satisfaction-teacher house quality	0.342	0.165	18
	zxsat07	R:/ reading teacher satisfaction-classroom furniture quality	-0.036	0.887	18
	zxsat08	R:/ reading teacher satisfaction-level of salary	0.288	0.246	18
	zxsat10	R:/ reading teacher satisfaction-pupil learr	-0.051	0.840	18
	zxsat12	R:/ reading teacher satisfaction-school management quality	0.328	0.185	18
	zxsat13	R:/ reading teacher satisfaction-staff relationship	0.026	0.919	18
	zxsat14	R:/ reading teacher satisfaction-community relationship	-0.188	0.456	18
	zxsat15	R:/ reading teacher satisfaction-promotion opportunity	0.261	0.295	18
	zxsat16	R:/ reading teacher satisfaction-further study	0.216	0.390	18

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)

a Cannot be computed because at least one of the variables is constant



**APPENDIX 58**  
**MOZAMBIQUE AFFECTIVE DOMAIN - MATHEMATICS**

Prov	variables	Description	Pearson	Sig	N	
CAB	matotp	SCR:/ Pupil math-all total raw score	1.000		14	
	zysat01	R:/ math teacher satisfaction-distance	-0.035	0.904	14	
	zysat03	R:/ math teacher satisfaction-school building quality	-0.350	0.219	14	
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.350	0.219	14	
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.414	0.142	14	
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.277	0.338	14	
	zysat08	R:/ math teacher satisfaction-level of salary	-0.455	0.102	14	
	zysat10	R:/ math teacher satisfaction-pupil learn	-0.610	0.020	14	
	zysat12	R:/ math teacher satisfaction-school management quality	-0.372	0.190	14	
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.610	0.020	14	
	zysat14	R:/ math teacher satisfaction-community relationship	-0.382	0.177	14	
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.430	0.125	14	
	zysat16	R:/ math teacher satisfaction-further study	-0.434	0.121	14	
	GAZ	matotp	SCR:/ Pupil math-all total raw score	1.000		15
		zysat01	R:/ math teacher satisfaction-distance	-0.167	0.567	14
		zysat03	R:/ math teacher satisfaction-school building quality	-0.375	0.186	14
		zysat04	R:/ math teacher satisfaction-teacher house availability	-0.092	0.755	14
zysat05		R:/ math teacher satisfaction-teacher house quality	-0.069	0.814	14	
zysat07		R:/ math teacher satisfaction-classroom furniture quality	0.355	0.213	14	
zysat08		R:/ math teacher satisfaction-level of salary	-0.097	0.741	14	
zysat10		R:/ math teacher satisfaction-pupil learn	0.169	0.563	14	
zysat12		R:/ math teacher satisfaction-school management quality	-0.250	0.389	14	
zysat13		R:/ math teacher satisfaction-staff relationship	-0.353	0.216	14	
zysat14		R:/ math teacher satisfaction-community relationship	-0.148	0.614	14	
zysat15		R:/ math teacher satisfaction-promotion opportunity	-0.029	0.923	14	
zysat16		R:/ math teacher satisfaction-further study	0.110	0.709	14	
INH		matotp	SCR:/ Pupil math-all total raw score	1.000		14
		zysat01	R:/ math teacher satisfaction-distance	-0.172	0.573	13
		zysat03	R:/ math teacher satisfaction-school building quality	-0.020	0.949	13
		zysat04	R:/ math teacher satisfaction-teacher house availability	-0.145	0.637	13
	zysat05	R:/ math teacher satisfaction-teacher house quality	0.416	0.157	13	
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	0.548	0.053	13	
	zysat08	R:/ math teacher satisfaction-level of salary	0.256	0.399	13	
	zysat10	R:/ math teacher satisfaction-pupil learn	.(a)	.	13	
	zysat12	R:/ math teacher satisfaction-school management quality	-0.627	0.022	13	
	zysat13	R:/ math teacher satisfaction-staff relationship	0.154	0.616	13	
	zysat14	R:/ math teacher satisfaction-community relationship	-0.409	0.165	13	
	zysat15	R:/ math teacher satisfaction-promotion opportunity	0.308	0.306	13	
	zysat16	R:/ math teacher satisfaction-further study	0.437	0.136	13	
	MAC	matotp	SCR:/ Pupil math-all total raw score	1.000		20
		zysat01	R:/ math teacher satisfaction-distance	-0.414	0.069	20
		zysat03	R:/ math teacher satisfaction-school building quality	-0.150	0.529	20
		zysat04	R:/ math teacher satisfaction-teacher house availability	-0.224	0.342	20
zysat05		R:/ math teacher satisfaction-teacher house quality	0.151	0.526	20	
zysat07		R:/ math teacher satisfaction-classroom furniture quality	-0.098	0.681	20	





	zysat08	R:/ math teacher satisfaction-level of salary	-0.334	0.150	20
	zysat10	R:/ math teacher satisfaction-pupil learr	0.158	0.505	20
	zysat12	R:/ math teacher satisfaction-school management qualit	-0.307	0.188	20
	zysat13	R:/ math teacher satisfaction-staff relationship	0.021	0.932	20
	zysat14	R:/ math teacher satisfaction-community relationship	0.118	0.621	20
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.045	0.849	20
	zysat16	R:/ math teacher satisfaction-further study	-0.231	0.327	20
MAN	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	-0.606	0.022	14
	zysat03	R:/ math teacher satisfaction-school building qualit	0.228	0.433	14
	zysat04	R:/ math teacher satisfaction-teacher house availability	-0.011	0.971	14
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.466	0.093	14
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.312	0.278	14
	zysat08	R:/ math teacher satisfaction-level of salary	-0.320	0.264	14
	zysat10	R:/ math teacher satisfaction-pupil learr	.(a)	.	14
	zysat12	R:/ math teacher satisfaction-school management qualit	-0.268	0.355	14
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.332	0.247	14
	zysat14	R:/ math teacher satisfaction-community relationship	.(a)	.	14
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.361	0.205	14
	zysat16	R:/ math teacher satisfaction-further study	-0.379	0.182	14
MAP	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	0.369	0.176	15
	zysat03	R:/ math teacher satisfaction-school building qualit	-0.175	0.533	15
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.471	0.076	15
	zysat05	R:/ math teacher satisfaction-teacher house quality	0.067	0.813	15
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.145	0.605	15
	zysat08	R:/ math teacher satisfaction-level of salary	-0.248	0.373	15
	zysat10	R:/ math teacher satisfaction-pupil learr	.(a)	.	15
	zysat12	R:/ math teacher satisfaction-school management qualit	0.334	0.223	15
	zysat13	R:/ math teacher satisfaction-staff relationship	0.074	0.792	15
	zysat14	R:/ math teacher satisfaction-community relationship	0.009	0.974	15
	zysat15	R:/ math teacher satisfaction-promotion opportunity	0.151	0.591	15
	zysat16	R:/ math teacher satisfaction-further study	0.389	0.152	15
NAM	matotp	SCR:/ Pupil math-all total raw score	1.000		20
	zysat01	R:/ math teacher satisfaction-distance	0.207	0.382	20
	zysat03	R:/ math teacher satisfaction-school building qualit	-0.120	0.615	20
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.156	0.512	20
	zysat05	R:/ math teacher satisfaction-teacher house quality	0.041	0.865	20
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	0.023	0.923	20
	zysat08	R:/ math teacher satisfaction-level of salary	0.153	0.521	20
	zysat10	R:/ math teacher satisfaction-pupil learr	0.008	0.973	20
	zysat12	R:/ math teacher satisfaction-school management qualit	0.145	0.542	20
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.148	0.532	20
	zysat14	R:/ math teacher satisfaction-community relationship	-0.006	0.979	20
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.163	0.491	20
	zysat16	R:/ math teacher satisfaction-further study	0.022	0.927	20
NIA	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	0.062	0.834	14
	zysat03	R:/ math teacher satisfaction-school building qualit	0.227	0.434	14
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.276	0.339	14



	zysat05	R:/ math teacher satisfaction-teacher house quality	0.173	0.555	14
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.027	0.928	14
	zysat08	R:/ math teacher satisfaction-level of salary	0.369	0.195	14
	zysat10	R:/ math teacher satisfaction-pupil learn	0.107	0.716	14
	zysat12	R:/ math teacher satisfaction-school management quality	0.321	0.264	14
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.176	0.548	14
	zysat14	R:/ math teacher satisfaction-community relationship	0.279	0.334	14
	zysat15	R:/ math teacher satisfaction-promotion opportunity	0.111	0.706	14
	zysat16	R:/ math teacher satisfaction-further study	0.397	0.160	14
SOF	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	-0.370	0.193	14
	zysat03	R:/ math teacher satisfaction-school building quality	0.119	0.686	14
	zysat04	R:/ math teacher satisfaction-teacher house availability	-0.104	0.723	14
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.123	0.675	14
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.242	0.405	14
	zysat08	R:/ math teacher satisfaction-level of salary	0.135	0.647	14
	zysat10	R:/ math teacher satisfaction-pupil learn	-0.424	0.131	14
	zysat12	R:/ math teacher satisfaction-school management quality	-0.088	0.764	14
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.001	0.998	14
	zysat14	R:/ math teacher satisfaction-community relationship	.(a)	.	14
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.015	0.959	14
	zysat16	R:/ math teacher satisfaction-further study	-0.066	0.822	14
TET	matotp	SCR:/ Pupil math-all total raw score	1.000		15
	zysat01	R:/ math teacher satisfaction-distance	0.329	0.231	15
	zysat03	R:/ math teacher satisfaction-school building quality	0.173	0.536	15
	zysat04	R:/ math teacher satisfaction-teacher house availability	-0.267	0.335	15
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.506	0.054	15
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.305	0.268	15
	zysat08	R:/ math teacher satisfaction-level of salary	-0.248	0.372	15
	zysat10	R:/ math teacher satisfaction-pupil learn	0.172	0.540	15
	zysat12	R:/ math teacher satisfaction-school management quality	-0.263	0.344	15
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.142	0.613	15
	zysat14	R:/ math teacher satisfaction-community relationship	0.057	0.839	15
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.395	0.145	15
	zysat16	R:/ math teacher satisfaction-further study	-0.231	0.407	15
ZAM	matotp	SCR:/ Pupil math-all total raw score	1.000		18
	zysat01	R:/ math teacher satisfaction-distance	-0.184	0.464	18
	zysat03	R:/ math teacher satisfaction-school building quality	-0.285	0.252	18
	zysat04	R:/ math teacher satisfaction-teacher house availability	0.232	0.355	18
	zysat05	R:/ math teacher satisfaction-teacher house quality	-0.379	0.121	18
	zysat07	R:/ math teacher satisfaction-classroom furniture quality	-0.087	0.730	18
	zysat08	R:/ math teacher satisfaction-level of salary	-0.131	0.605	18
	zysat10	R:/ math teacher satisfaction-pupil learn	.(a)	.	18
	zysat12	R:/ math teacher satisfaction-school management quality	-0.481	0.043	18
	zysat13	R:/ math teacher satisfaction-staff relationship	-0.058	0.820	18
	zysat14	R:/ math teacher satisfaction-community relationship	0.143	0.571	18
	zysat15	R:/ math teacher satisfaction-promotion opportunity	-0.026	0.918	18
	zysat16	R:/ math teacher satisfaction-further study	.(a)	.	18

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)



a Cannot be computed because at least one of the variables is constant



**APPENDIX 59**  
**MOZAMBIQUE BEHAVIOURAL DOMAIN - READING**

Prov	Variables	Description	Pearson Correlation	Sig. (2-tailed)	N	
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14	
	fx1trac	Reading Teacher activities (factor)	-0.366	0.199	14	
	fx1trappr	Teacher reading approach (factor)	0.384	0.175	14	
	fx1zsacthd	School head activities (factor)	0.438	0.117	14	
	fx1zsschac	School activities (factor)	-0.159	0.588	14	
	fx2trac	Reading Teacher activities (factor)	-0.166	0.570	14	
	fx2trappr	Teacher reading approach (factor)	-0.361	0.205	14	
	fx2zsacthd	School head activities (factor)	0.206	0.481	14	
	fx2zsschac	School activities (factor)	-0.192	0.511	14	
	pabsent	P/days absent	0.117	0.690	14	
	sexpall	School head years of experience - altogether	-0.218	0.455	14	
	sexptch	School head years of teaching	-0.281	0.330	14	
	sexpthis	School head experience in this school	0.250	0.388	14	
	slost	S/lost days	0.088	0.765	14	
	tractmos	T/most important reading activity	0.108	0.713	14	
	trgoalmo	T/most important reading goal	-0.203	0.487	14	
	xmeeusua	T/pup's parents meet/year	-0.568	<u>0.034</u>	14	
	zpabwhy2	R:/ reason absent-ill	0.011	0.969	14	
	zpabwhy3	R:/ reason absent-family	-0.390	0.169	14	
	zpabwhy4	R:/ reason absent-work	-0.359	0.208	14	
	zpabwhy6	R:/ reason absent-fee not paid	-0.230	0.429	14	
	zpenglis	R:/ speaking English at home	0.125	0.670	14	
	ztrepeng	R:/ reading teacher reporting comments on English	-0.002	0.995	14	
	zttestre	R:/ reading teacher frequency giving written reading test	0.104	0.723	14	
	zxmeet	R:/ reading teacher frequency meeting parents	-0.301	0.296	14	
	xexper	T/years of teaching	-0.173	0.553	14	
	xoutwork	T/hours outside	-0.123	0.675	14	
	GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
		fx1trac	Reading Teacher activities (factor)	0.273	0.344	14
		fx1trappr	Teacher reading approach (factor)	0.074	0.800	14
fx1zsacthd		School head activities (factor)	0.465	0.080	15	
fx1zsschac		School activities (factor)	0.064	0.821	15	
fx2trac		Reading Teacher activities (factor)	-0.282	0.329	14	
fx2trappr		Teacher reading approach (factor)	0.222	0.447	14	
fx2zsacthd		School head activities (factor)	0.541	<u>0.037</u>	15	
fx2zsschac		School activities (factor)	0.091	0.747	15	
pabsent		P/days absent	-0.377	0.166	15	
sexpall		School head years of experience - altogether	0.051	0.858	15	
sexptch		School head years of teaching	0.012	0.967	15	
sexpthis		School head experience in this school	0.672	<u>0.006</u>	15	
slost		S/lost days	0.340	0.215	15	
tractmos		T/most important reading activity	0.248	0.393	14	
trgoalmo		T/most important reading goal	0.589	<u>0.027</u>	14	
xmeeusua		T/pup's parents meet/year	0.396	0.161	14	
zpabwhy2		R:/ reason absent-ill	0.379	0.164	15	
zpabwhy3		R:/ reason absent-family	-0.220	0.430	15	
zpabwhy4		R:/ reason absent-work	-0.610	<u>0.016</u>	15	
zpabwhy6	R:/ reason absent-fee not paid	-0.199	0.478	15		
zpenglis	R:/ speaking English at home	0.186	0.508	15		
ztrepeng	R:/ reading teacher reporting comments on English	0.179	0.541	14		
zttestre	R:/ reading teacher frequency giving written reading test	0.589	<u>0.027</u>	14		



	zxmeet	R:/ reading teacher frequency meeting parents	0.547	<u>0.043</u>	14
	xexper	T/years of teaching	0.185	0.527	14
	xoutwork	T/hours outside	-0.077	0.795	14
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	fx1trac	Reading Teacher activities (factor)	-0.381	0.179	14
	fx1trappr	Teacher reading approach (factor)	-0.010	0.974	14
	fx1zsacthd	School head activities (factor)	0.402	0.173	13
	fx1zsschac	School activities (factor)	-0.385	0.193	13
	fx2trac	Reading Teacher activities (factor)	0.166	0.571	14
	fx2trappr	Teacher reading approach (factor)	-0.044	0.882	14
	fx2zsacthd	School head activities (factor)	-0.069	0.823	13
	fx2zsschac	School activities (factor)	-0.313	0.297	13
	pabsent	P/days absent	-0.644	<u>0.013</u>	14
	sexpall	School head years of experience - altogether	-0.449	0.124	13
	sexptch	School head years of teaching	0.056	0.857	13
	sexpthis	School head experience in this school	-0.247	0.417	13
	slost	S/lost days	0.041	0.894	13
	tractmos	T/most important reading activity	-0.193	0.507	14
	trgoalmo	T/most important reading goal	-0.446	0.110	14
	xmeeusua	T/pup's parents meet/year	-0.192	0.511	14
	zpabwhy2	R:/ reason absent-ill	0.124	0.672	14
	zpabwhy3	R:/ reason absent-family	0.126	0.668	14
	zpabwhy4	R:/ reason absent-work	-0.235	0.420	14
	zpabwhy6	R:/ reason absent-fee not paid	-0.268	0.354	14
	zpenglis	R:/ speaking English at home	0.611	<u>0.020</u>	14
	ztrepeng	R:/ reading teacher reporting comments on English	0.180	0.539	14
	zttestre	R:/ reading teacher frequency giving written reading test	0.267	0.356	14
	zxmeet	R:/ reading teacher frequency meeting parents	0.199	0.495	14
	xexper	T/years of teaching	0.447	0.109	14
	xoutwork	T/hours outside	0.367	0.197	14
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	fx1trac	Reading Teacher activities (factor)	0.354	0.126	20
	fx1trappr	Teacher reading approach (factor)	-0.054	0.821	20
	fx1zsacthd	School head activities (factor)	-0.275	0.269	18
	fx1zsschac	School activities (factor)	-0.031	0.904	18
	fx2trac	Reading Teacher activities (factor)	0.458	<u>0.042</u>	20
	fx2trappr	Teacher reading approach (factor)	0.228	0.334	20
	fx2zsacthd	School head activities (factor)	0.394	0.106	18
	fx2zsschac	School activities (factor)	0.098	0.698	18
	pabsent	P/days absent	0.192	0.416	20
	sexpall	School head years of experience - altogether	-0.120	0.634	18
	sexptch	School head years of teaching	0.134	0.596	18
	sexpthis	School head experience in this school	-0.141	0.578	18
	slost	S/lost days	-0.089	0.727	18
	tractmos	T/most important reading activity	-0.130	0.585	20
	trgoalmo	T/most important reading goal	-0.362	0.116	20
	xmeeusua	T/pup's parents meet/year	0.070	0.770	20
	zpabwhy2	R:/ reason absent-ill	-0.101	0.670	20
	zpabwhy3	R:/ reason absent-family	0.290	0.215	20
	zpabwhy4	R:/ reason absent-work	-0.044	0.853	20
	zpabwhy6	R:/ reason absent-fee not paid	-0.174	0.463	20
	zpenglis	R:/ speaking English at home	0.075	0.754	20
	ztrepeng	R:/ reading teacher reporting comments on English	0.218	0.356	20
	zttestre	R:/ reading teacher frequency giving written reading test	-0.130	0.585	20
	zxmeet	R:/ reading teacher frequency meeting parents	-0.091	0.702	20



	xexper	T/years of teaching	0.072	0.761	20
	xoutwork	T/hours outside	-0.546	<u>0.013</u>	20
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.437	0.118	14
	fx1trappr	Teacher reading approach (factor)	-0.250	0.388	14
	fx1zsacthd	School head activities (factor)	-0.077	0.822	11
	fx1zsschac	School activities (factor)	0.387	0.240	11
	fx2trac	Reading Teacher activities (factor)	-0.001	0.996	14
	fx2trappr	Teacher reading approach (factor)	-0.652	<u>0.011</u>	14
	fx2zsacthd	School head activities (factor)	0.240	0.476	11
	fx2zsschac	School activities (factor)	-0.347	0.296	11
	pabsent	P/days absent	0.587	<u>0.021</u>	15
	sexpall	School head years of experience - altogether	-0.596	0.053	11
	sexptch	School head years of teaching	0.075	0.826	11
	sexpthis	School head experience in this school	-0.418	0.201	11
	slost	S/lost days	0.645	<u>0.032</u>	11
	tractmos	T/most important reading activity	0.235	0.418	14
	trgoalmo	T/most important reading goal	-0.032	0.913	14
	xmееusua	T/pup's parents meet/year	0.173	0.554	14
	zpabwhy2	R:/ reason absent-ill	-0.104	0.712	15
	zpabwhy3	R:/ reason absent-family	-0.120	0.670	15
	zpabwhy4	R:/ reason absent-work	-0.283	0.307	15
	zpabwhy6	R:/ reason absent-fee not paid	0.361	0.186	15
	zpenglis	R:/ speaking English at home	0.387	0.154	15
	ztrepeng	R:/ reading teacher reporting comments on English	0.418	0.137	14
	zttestre	R:/ reading teacher frequency giving written reading test	0.178	0.543	14
	zxmeet	R:/ reading teacher frequency meeting parents	-0.355	0.212	14
	xexper	T/years of teaching	-0.171	0.559	14
	xoutwork	T/hours outside	0.553	<u>0.040</u>	14
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	-0.106	0.708	15
	fx1trappr	Teacher reading approach (factor)	0.404	0.136	15
	fx1zsacthd	School head activities (factor)	0.374	0.169	15
	fx1zsschac	School activities (factor)	-0.084	0.765	15
	fx2trac	Reading Teacher activities (factor)	0.073	0.796	15
	fx2trappr	Teacher reading approach (factor)	-0.070	0.805	15
	fx2zsacthd	School head activities (factor)	-0.392	0.149	15
	fx2zsschac	School activities (factor)	0.445	0.097	15
	pabsent	P/days absent	0.138	0.625	15
	sexpall	School head years of experience - altogether	-0.062	0.825	15
	sexptch	School head years of teaching	0.519	<u>0.048</u>	15
	sexpthis	School head experience in this school	-0.135	0.632	15
	slost	S/lost days	0.155	0.582	15
	tractmos	T/most important reading activity	0.077	0.784	15
	trgoalmo	T/most important reading goal	-0.202	0.469	15
	xmееusua	T/pup's parents meet/year	-0.065	0.818	15
	zpabwhy2	R:/ reason absent-ill	0.318	0.247	15
	zpabwhy3	R:/ reason absent-family	-0.293	0.289	15
	zpabwhy4	R:/ reason absent-work	-0.116	0.680	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.646	<u>0.009</u>	15
	zpenglis	R:/ speaking English at home	0.057	0.840	15
	ztrepeng	R:/ reading teacher reporting comments on English	0.368	0.177	15
	zttestre	R:/ reading teacher frequency giving written reading test	0.613	<u>0.015</u>	15
	zxmeet	R:/ reading teacher frequency meeting parents	-0.392	0.148	15
	xexper	T/years of teaching	0.183	0.515	15



	xoutwork	T/hours outside	0.310	0.262	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	fx1trac	Reading Teacher activities (factor)	0.082	0.730	20
	fx1trappr	Teacher reading approach (factor)	0.504	<u>0.023</u>	20
	fx1zsacthd	School head activities (factor)	0.164	0.491	20
	fx1zsschac	School activities (factor)	0.162	0.496	20
	fx2trac	Reading Teacher activities (factor)	0.192	0.417	20
	fx2trappr	Teacher reading approach (factor)	-0.101	0.671	20
	fx2zsacthd	School head activities (factor)	-0.246	0.296	20
	fx2zsschac	School activities (factor)	-0.207	0.382	20
	pabsent	P/days absent	-0.037	0.876	20
	sexpall	School head years of experience - altogether	0.043	0.858	20
	sexptch	School head years of teaching	0.143	0.549	20
	sexpthis	School head experience in this school	-0.009	0.969	20
	slost	S/lost days	0.088	0.713	20
	tractmos	T/most important reading activity	0.201	0.395	20
	trgoalmo	T/most important reading goal	-0.031	0.898	20
	xmeeusua	T/pup's parents meet/year	-0.238	0.311	20
	zpabwhy2	R:/ reason absent-ill	-0.130	0.597	19
	zpabwhy3	R:/ reason absent-family	-0.187	0.443	19
	zpabwhy4	R:/ reason absent-work	-0.441	0.058	19
	zpabwhy6	R:/ reason absent-fee not paid	-0.013	0.959	19
	zpenglis	R:/ speaking English at home	0.403	0.078	20
	ztrepeng	R:/ reading teacher reporting comments on English	-0.448	<u>0.048</u>	20
	zttestre	R:/ reading teacher frequency giving written reading test	-0.305	0.192	20
	zxmeet	R:/ reading teacher frequency meeting parents	-0.200	0.398	20
	xexper	T/years of teaching	-0.106	0.656	20
	xoutwork	T/hours outside	0.202	0.394	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.145	0.605	15
	fx1trappr	Teacher reading approach (factor)	-0.073	0.797	15
	fx1zsacthd	School head activities (factor)	0.482	0.081	14
	fx1zsschac	School activities (factor)	-0.063	0.832	14
	fx2trac	Reading Teacher activities (factor)	-0.090	0.749	15
	fx2trappr	Teacher reading approach (factor)	0.152	0.589	15
	fx2zsacthd	School head activities (factor)	-0.286	0.321	14
	fx2zsschac	School activities (factor)	-0.166	0.571	14
	pabsent	P/days absent	-0.331	0.228	15
	sexpall	School head years of experience - altogether	-0.170	0.561	14
	sexptch	School head years of teaching	0.324	0.258	14
	sexpthis	School head experience in this school	-0.121	0.680	14
	slost	S/lost days	-0.520	0.056	14
	tractmos	T/most important reading activity	0.216	0.439	15
	trgoalmo	T/most important reading goal	0.187	0.504	15
	xmeeusua	T/pup's parents meet/year	-0.243	0.383	15
	zpabwhy2	R:/ reason absent-ill	-0.379	0.163	15
	zpabwhy3	R:/ reason absent-family	-0.285	0.304	15
	zpabwhy4	R:/ reason absent-work	-0.040	0.887	15
	zpabwhy6	R:/ reason absent-fee not paid	0.157	0.576	15
	zpenglis	R:/ speaking English at home	0.505	0.055	15
	ztrepeng	R:/ reading teacher reporting comments on English	-0.121	0.667	15
	zttestre	R:/ reading teacher frequency giving written reading test	-0.297	0.283	15
	zxmeet	R:/ reading teacher frequency meeting parents	0.119	0.674	15
	xexper	T/years of teaching	0.368	0.177	15
	xoutwork	T/hours outside	0.019	0.946	15



SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.093	0.752	14
	fx1trappr	Teacher reading approach (factor)	-0.239	0.411	14
	fx1zsacthd	School head activities (factor)	0.495	0.061	15
	fx1zsschac	School activities (factor)	0.251	0.367	15
	fx2trac	Reading Teacher activities (factor)	0.009	0.975	14
	fx2trappr	Teacher reading approach (factor)	-0.159	0.587	14
	fx2zsacthd	School head activities (factor)	-0.257	0.356	15
	fx2zsschac	School activities (factor)	0.087	0.759	15
	pabsent	P/days absent	0.266	0.338	15
	sexpall	S/sh altogether	-0.518	<u>0.048</u>	15
	sexptch	S/years teaching	-0.122	0.665	15
	sexpthis	S/sh this school	-0.403	0.136	15
	slost	S/lost days	0.068	0.810	15
	tractmos	T/most important reading activity	0.096	0.744	14
	trgoalmo	T/most important reading goal	0.032	0.913	14
	xmeeusua	T/pup's parents meet/year	-0.031	0.916	14
	zpabwhy2	R:/ reason absent-ill	-0.367	0.178	15
	zpabwhy3	R:/ reason absent-family	0.238	0.394	15
	zpabwhy4	R:/ reason absent-work	-0.547	<u>0.035</u>	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.147	0.602	15
	zpenglis	R:/ speaking English at home	0.539	<u>0.038</u>	15
	ztrepeng	R:/ reading teacher reporting comments on English	0.031	0.916	14
	zttestre	R:/ reading teacher frequency giving written reading test	0.213	0.464	14
	zxmeet	R:/ reading teacher frequency meeting parents	-0.230	0.428	14
	xexper	T/years of teaching	-0.008	0.979	14
	xoutwork	T/hours outside	0.406	0.149	14
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	fx1trac	Reading Teacher activities (factor)	0.231	0.407	15
	fx1trappr	Teacher reading approach (factor)	0.202	0.470	15
	fx1zsacthd	School head activities (factor)	0.594	<u>0.020</u>	15
	fx1zsschac	School activities (factor)	-0.372	0.172	15
	fx2trac	Reading Teacher activities (factor)	0.358	0.190	15
	fx2trappr	Teacher reading approach (factor)	0.109	0.699	15
	fx2zsacthd	School head activities (factor)	-0.021	0.941	15
	fx2zsschac	School activities (factor)	0.269	0.332	15
	pabsent	P/days absent	-0.016	0.955	15
	sexpall	School head years of experience - altogether	-0.008	0.976	15
	sexptch	School head years of teaching	0.036	0.898	15
	sexpthis	School head experience in this school	-0.045	0.874	15
	slost	S/lost days	-0.136	0.629	15
	tractmos	T/most important reading activity	-0.137	0.627	15
	trgoalmo	T/most important reading goal	0.179	0.522	15
	xmeeusua	T/pup's parents meet/year	0.211	0.451	15
	zpabwhy2	R:/ reason absent-ill	-0.461	0.083	15
	zpabwhy3	R:/ reason absent-family	-0.270	0.330	15
	zpabwhy4	R:/ reason absent-work	0.383	0.159	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.556	<u>0.031</u>	15
	zpenglis	R:/ speaking English at home	0.294	0.287	15
	ztrepeng	R:/ reading teacher reporting comments on English	-0.147	0.601	15
	zttestre	R:/ reading teacher frequency giving written reading test	0.573	<u>0.026</u>	15
	zxmeet	R:/ reading teacher frequency meeting parents	-0.391	0.150	15
	xexper	T/years of teaching	0.082	0.770	15
	xoutwork	T/hours outside	0.102	0.718	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18





fx1trac	Reading teacher activities (factor)	0.273	0.272	18
fx1trappr	Teacher reading approach (factor)	0.271	0.277	18
fx1zsacthd	School head activities (factor)	0.613	0.007	18
fx1zsschac	School activities (factor)	0.538	0.021	18
fx2trac	Reading Teacher activities (factor)	-0.235	0.348	18
fx2trappr	Teacher reading approach (factor)	-0.152	0.547	18
fx2zsacthd	School head activities (factor)	0.288	0.246	18
fx2zsschac	School activities (factor)	-0.055	0.827	18
pabsent	P/days absent	-0.148	0.557	18
sexpall	School head years of experience - altogether	-0.294	0.236	18
sexptch	School head years of teaching	0.017	0.948	18
sexpthis	School head experience in this school	-0.410	0.091	18
slost	S/lost days	-0.128	0.613	18
tractmos	T/most important reading activity	-0.118	0.641	18
trgoalmo	T/most important reading goal	0.051	0.841	18
xmeeusua	T/pup's parents meet/year	0.017	0.946	18
zpabwhy2	R:/ reason absent-ill	-0.350	0.154	18
zpabwhy3	R:/ reason absent-family	0.059	0.815	18
zpabwhy4	R:/ reason absent-work	-0.022	0.932	18
zpabwhy6	R:/ reason absent-fee not paid	0.315	0.203	18
zpenglis	R:/ speaking English at home	-0.047	0.854	18
ztrepeng	R:/ reading teacher reporting comments on English	-0.405	0.096	18
zttestre	R:/ reading teacher frequency giving written reading test	0.181	0.473	18
zxmeet	R:/ reading teacher frequency meeting parents	0.135	0.594	18
xexper	T/years of teaching	0.133	0.598	18
xoutwork	T/hours outside	0.268	0.282	18

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

## APPENDIX 59

### MOAMBIQUE BEHAVIOURAL DOMAIN - MATHEMATICS

Prov	Variables	Description	Corr	Sig	N
CAB	matotp	SCR:/ pupil math-all total raw score	1.000		14
	pabsent	P/days absent	0.103	0.725	14
	zpabwhy2	R:/ reason absent-ill	-0.161	0.583	14
	zpabwhy3	R:/ reason absent-family	-0.053	0.857	14
	zpabwhy4	R:/ reason absent-work	-0.236	0.418	14
	zpabwhy6	R:/ reason absent-fee not paid	-0.401	0.156	14
	zpenglis	R:/ speaking English at home	0.183	0.530	14
	yexper	T/years of teaching	0.153	0.602	14
	youtwork	T/hours outside	-0.398	0.159	14
	zymeet	R:/ math teacher frequency meeting parents	-0.283	0.326	14
	fy1tmappr	Teacher math approach (factor)	-0.530	0.051	14
	fyzsacthd	School head activities (factor)	0.157	0.591	14
	fy2tmappr	Teacher math approach (factor)	0.285	0.323	14
	fy2tmact	Math teacher activities (factor)	0.192	0.511	14
	ztrepmat	R:/ math teacher reporting comments on math	-0.059	0.841	14
	tmactmos	T/most important math activity	0.259	0.372	14
	tmgoalmo	T/most important math goal	-0.077	0.793	14
	zttestma	R:/ Math teacher frequency giving written math test	-0.038	0.896	14
	sexpall	School head years of experience - altogether	0.066	0.822	14
	sexptch	School head years of teaching	-0.085	0.772	14
	sexpthis	School head experience in this school	0.316	0.271	14
	slost	S/lost days	0.405	0.151	14
	fy1zsschact	School activities (factor)	-0.210	0.471	14



	fy2zsschac	School activities (factor)	-0.217	0.455	14
GAZ	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	-0.377	0.166	15
	zpabwhy2	R:/ reason absent-ill	0.239	0.391	15
	zpabwhy3	R:/ reason absent-family	-0.087	0.758	15
	zpabwhy4	R:/ reason absent-work	-0.788	<u>0.000</u>	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.141	0.615	15
	zpenglis	R:/ speaking English at home	0.236	0.397	15
	yexper	T/years of teaching	0.249	0.391	14
	youtwork	T/hours outside	-0.155	0.598	14
	zymeet	R:/ Math teacher frequency meeting parents	0.169	0.563	14
	fy1tmappr	Teacher math approach (factor)	-0.240	0.408	14
	fy1zsacthd	School head activities (factor)	0.521	<u>0.046</u>	15
	fy2zsacthd	School head activities (factor)	0.740	<u>0.002</u>	15
	fy2tmact	Math teacher activities (factor)	-0.519	0.057	14
	ztrepmat	R:/ math teacher reporting comments on math	0.418	0.137	14
	tmactmos	T/most important math activity	-0.215	0.461	14
	tmgoalmo	T/most important math goal	-0.338	0.237	14
	ztestma	R:/ math teacher frequency giving written math test	0.377	0.184	14
	sexpall	S/sh altogether	0.324	0.238	15
	sexptch	S/years teaching	0.181	0.519	15
	sexpthis	S/sh this school	0.541	<u>0.037</u>	15
	slost	S/lost days	0.349	0.202	15
	fy1zsschact	School activities (factor)	-0.032	0.910	15
	fy2zsschac	School activities (factor)	0.060	0.832	15
INH	matotp	SCR:/ pupil math-all total raw score	1.000		14
	pabsent	P/days absent	-0.489	0.076	14
	zpabwhy2	R:/ reason absent-ill	0.239	0.410	14
	zpabwhy3	R:/ reason absent-family	-0.010	0.972	14
	zpabwhy4	R:/ reason absent-work	-0.198	0.497	14
	zpabwhy6	R:/ reason absent-fee not paid	0.019	0.949	14
	zpenglis	R:/ speaking English at home	0.455	0.102	14
	yexper	T/years of teaching	0.244	0.421	13
	youtwork	T/hours outside	-0.297	0.325	13
	zymeet	R:/ math teacher frequency meeting parents	0.313	0.298	13
	fy1tmappr	Teacher math approach (factor)	0.490	0.089	13
	fyzsacthd	School head activities (factor)	0.275	0.364	13
	fy2zsacthd	School head activities (factor)	0.210	0.491	13
	fy2tmappr	Teacher math approach (factor)	-0.407	0.167	13
	ztrepmat	R:/ math teacher reporting comments on math	-0.291	0.335	13
	tmactmos	T/most important math activity	-0.016	0.958	13
	tmgoalmo	T/most important math goal	-0.134	0.662	13
	ztestma	R:/ math teacher frequency giving written math test	-0.124	0.687	13
	sexpall	School head years of experience - altogether	-0.138	0.654	13
	sexptch	School head years of teaching	0.214	0.482	13
	sexpthis	School head experience in this school	-0.166	0.589	13
	slost	S/lost days	-0.214	0.482	13
	fyzsschact	School activities (factor)	-0.162	0.598	13
MAC	matotp	SCR:/ pupil math-all total raw score	1.000		20
	pabsent	P/days absent	0.269	0.251	20
	zpabwhy2	R:/ reason absent-ill	0.264	0.261	20
	zpabwhy3	R:/ reason absent-family	-0.001	0.997	20
	zpabwhy4	R:/ reason absent-work	-0.077	0.746	20
	zpabwhy6	R:/ reason absent-fee not paid	-0.145	0.543	20
	zpenglis	R:/ speaking English at home	0.151	0.525	20
	yexper	T/years of teaching	0.038	0.874	20



	youtwork	T/hours outside	0.386	0.093	20
	zymeet	R:/ math teacher frequency meeting parents	.(a)	.	20
	fy1tmappr	Teacher math approach (factor)	0.271	0.248	20
	fy1zsacthd	School head activities (factor)	-0.330	0.181	18
	fy2tmappr	Teacher math approach (factor)	0.046	0.848	20
	fy1tmact	Math teacher activities (factor)	0.147	0.537	20
	fy2tmact	Math teacher activities (factor)	-0.151	0.525	20
	ztrepmat	R:/ math teacher reporting comments on math	0.352	0.129	20
	tmactmos	T/most important math activity	0.256	0.276	20
	tmgoalmo	T/most important math goal	0.043	0.858	20
	zttestma	R:/ Math teacher frequency giving written math test	0.148	0.533	20
	sexpall	School head years of experience - altogether	0.195	0.437	18
	sexptch	School head years of teaching	0.246	0.325	18
	sexpthis	School head experience in this school	-0.265	0.287	18
	slost	S/lost days	0.354	0.149	18
	fy1zsschact	School activities (factor)	-0.045	0.859	18
	fy2zsschac	School activities (factor)	-0.305	0.218	18
MAN	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.624	0.013	15
	zpabwhy2	R:/ reason absent-ill	-0.452	0.091	15
	zpabwhy3	R:/ reason absent-family	0.228	0.413	15
	zpabwhy4	R:/ reason absent-work	-0.259	0.350	15
	zpabwhy6	R:/ reason absent-fee not paid	0.345	0.208	15
	zpenglis	R:/ speaking English at home	0.363	0.184	15
	yexper	T/years of teaching	-0.263	0.364	14
	youtwork	T/hours outside	0.127	0.665	14
	zymeet	R:/ math teacher frequency meeting parents	-0.055	0.851	14
	fy1tmappr	Teacher math approach (factor)	0.261	0.367	14
	fy1zsacthd	School head activities (factor)	0.092	0.788	11
	fy2tmappr	Teacher math approach (factor)	0.294	0.307	14
	fy1tmact	Math teacher activities (factor)	-0.362	0.203	14
	fy2tmact	Math teacher activities (factor)	-0.437	0.119	14
	ztrepmat	R:/ math teacher reporting comments on math	-0.364	0.201	14
	tmactmos	T/most important math activity	-0.144	0.623	14
	tmgoalmo	T/most important math goal	0.459	0.099	14
	zttestma	R:/ math teacher frequency giving written math test	-0.520	0.057	14
	sexpall	School head years of experience - altogether	-0.624	0.040	11
	sexptch	School head years of teaching	-0.187	0.582	11
	sexpthis	School head experience in this school	-0.418	0.200	11
	slost	S/lost days	0.385	0.242	11
	fy1zsschact	School activities (factor)	0.332	0.319	11
	fy2zsschac	School activities (factor)	-0.178	0.602	11
MAP	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	-0.086	0.759	15
	zpabwhy2	R:/ reason absent-ill	0.212	0.449	15
	zpabwhy3	R:/ reason absent-family	-0.120	0.671	15
	zpabwhy4	R:/ reason absent-work	0.119	0.673	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.263	0.345	15
	zpenglis	R:/ speaking English at home	-0.233	0.404	15
	yexper	T/years of teaching	-0.002	0.994	15
	youtwork	T/hours outside	-0.281	0.311	15
	zymeet	R:/ math teacher frequency meeting parents	0.305	0.269	15
	fy1tmappr	Teacher math approach (factor)	0.393	0.147	15
	fy1zsacthd	School head activities (factor)	0.418	0.121	15
	fy2zsacthd	School head activities (factor)	-0.408	0.131	15
	fy2tmappr	Teacher math approach (factor)	-0.314	0.254	15



	fy1tmact	Reading Teacher activities (factor)	0.308	0.263	15
	fy2tmact	Reading Teacher activities (factor)	0.143	0.612	15
	ztrepmat	R:/ math teacher reporting comments on math	0.351	0.200	15
	tmactmos	T/most important math activity	-0.335	0.222	15
	tmgoalmo	T/most important math goal	0.435	0.105	15
	ztestma	R:/ math teacher frequency giving written math test	0.045	0.874	15
	sexpall	School head years of experience - altogether	-0.175	0.533	15
	sexptch	School head years of teaching	0.508	0.053	15
	sexpthis	School head experience in this school	-0.243	0.383	15
	slost	S/lost days	-0.302	0.274	15
	fy1zsschact	School activities (factor)	-0.259	0.352	15
	fy2zsschac	School activities (factor)	0.313	0.256	15
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		20
	pabsent	P/days absent	0.203	0.391	20
	zpabwhy2	R:/ reason absent-ill	-0.212	0.383	19
	zpabwhy3	R:/ reason absent-family	0.199	0.415	19
	zpabwhy4	R:/ reason absent-work	-0.413	0.079	19
	zpabwhy6	R:/ reason absent-fee not paid	-0.291	0.226	19
	zpenglis	R:/ speaking English at home	0.447	0.048	20
	yexper	T/years of teaching	-0.285	0.223	20
	youtwork	T/hours outside	0.068	0.777	20
	zymeet	R:/ math teacher frequency meeting parents	0.038	0.875	20
	fy1tmappr	Teacher math approach (factor)	0.138	0.563	20
	fy1zsacthd	School head activities (factor)	0.363	0.116	20
	fy2zsacthd	School head activities (factor)	-0.433	0.056	20
	fy2tmappr	Teacher math approach (factor)	-0.280	0.231	20
	fy1tmact	Math teacher eacher activities (factor)	-0.153	0.520	20
	fy2tmact	Math teacher activities (factor)	-0.314	0.177	20
	ztrepmat	R:/ math teacher reporting comments on math	0.418	0.066	20
	tmactmos	T/most important math activity	-0.086	0.718	20
	tmgoalmo	T/most important math goal	-0.011	0.963	20
	ztestma	R:/ math teacher frequency giving written math test	-0.366	0.113	20
	sexpall	School head years of experience - altogether	-0.199	0.401	20
	sexptch	School head years of teaching	-0.190	0.422	20
	sexpthis	School head experience in this school	0.050	0.833	20
	slost	S/lost days	0.089	0.709	20
	fy1zsschact	School activities (factor)	0.091	0.702	20
	fy2zsschac	School activities (factor)	0.023	0.924	20
NIA	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.039	0.891	15
	zpabwhy2	R:/ reason absent-ill	-0.497	0.060	15
	zpabwhy3	R:/ reason absent-family	-0.090	0.750	15
	zpabwhy4	R:/ reason absent-work	0.058	0.838	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.016	0.955	15
	zpenglis	R:/ speaking English at home	0.516	0.049	15
	yexper	T/years of teaching	-0.530	0.051	14
	youtwork	T/hours outside	0.258	0.372	14
	zymeet	R:/ math teacher frequency meeting parents	-0.146	0.617	14
	fy1tmappr	Teacher math approach (factor)	0.004	0.990	14
	fy1zsacthd	School head activities (factor)	0.319	0.266	14
	fy2tmappr	Teacher math approach (factor)	-0.098	0.738	14
	fy1tmact	Math teacher activities (factor)	0.494	0.073	14
	fy2tmact	Math teacher activities (factor)	-0.068	0.819	14
	ztrepmat	R:/ math teacher reporting comments on math	0.087	0.769	14
	tmactmos	T/most important math activity	-0.488	0.076	14
	tmgoalmo	T/most important math goal	0.253	0.382	14



	zttestma	R:/ math teacher frequency giving written math test	-0.290	0.314	14
	sexpall	School head years of experience - altogether	-0.127	0.666	14
	sexptch	School head years of teaching	0.091	0.758	14
	sexpthis	School head experience in this school	0.324	0.258	14
	slost	S/lost days	-0.582	<u>0.029</u>	14
	fy1zsschact	School activities (factor)	-0.453	0.103	14
	fy2zsschac	School activities (factor)	-0.042	0.886	14
SOF	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.357	0.191	15
	zpabwhy2	R:/ reason absent-ill	-0.573	<u>0.025</u>	15
	zpabwhy3	R:/ reason absent-family	0.290	0.295	15
	zpabwhy4	R:/ reason absent-work	-0.473	0.075	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.233	0.403	15
	zpenglis	R:/ speaking English at home	0.523	<u>0.045</u>	15
	yexper	T/years of teaching	-0.149	0.612	14
	youtwork	T/hours outside	0.311	0.279	14
	zymeet	R:/ math teacher frequency meeting parents	-0.157	0.592	14
	fy1tmappr	Teacher math approach (factor)	-0.613	<u>0.020</u>	14
	fy1zsacthd	School head activities (factor)	0.298	0.280	15
	fy2zsacthd	School head activities (factor)	-0.203	0.469	15
	fy2tmappr	Teacher math approach (factor)	-0.263	0.363	14
	fy1tmact	Math teacher activities (factor)	-0.538	<u>0.047</u>	14
	ztrepmat	R:/ math teacher reporting comments on math	-0.345	0.227	14
	tmactmos	T/most important math activity	0.070	0.812	14
	tmgoalmo	T/most important math goal	0.366	0.198	14
	zttestma	R:/ math teacher frequency giving written math test	0.154	0.600	14
	sexpall	School head years of experience - altogether	-0.439	0.101	15
	sexptch	School head years of teaching	-0.322	0.242	15
	sexpthis	School head experience in this school	-0.411	0.128	15
	slost	S/lost days	0.146	0.604	15
	fy1zsschact	School activities (factor)	0.232	0.405	15
	fy2zsschac	School activities (factor)	-0.191	0.496	15
TET	matotp	SCR:/ pupil math-all total raw score	1.000		15
	pabsent	P/days absent	0.251	0.366	15
	zpabwhy2	R:/ reason absent-ill	-0.694	<u>0.004</u>	15
	zpabwhy3	R:/ reason absent-family	0.274	0.323	15
	zpabwhy4	R:/ reason absent-work	0.273	0.325	15
	zpabwhy6	R:/ reason absent-fee not paid	-0.245	0.380	15
	zpenglis	R:/ speaking English at home	0.323	0.241	15
	yexper	T/years of teaching	-0.374	0.170	15
	youtwork	T/hours outside	-0.071	0.802	15
	zymeet	R:/ math teacher frequency meeting parents	0.327	0.234	15
	fy1tmappr	Teacher math approach (factor)	0.268	0.333	15
	fy1zsacthd	School head activities (factor)	0.272	0.327	15
	fy2zsacthd	School head activities (factor)	-0.209	0.454	15
	fy2tmappr	Teacher math approach (factor)	-0.034	0.905	15
	fy1tmact	Teacher activities (factor)	0.208	0.457	15
	fy2tmact	Math teacher activities (factor)	-0.352	0.198	15
	ztrepmat	R:/ math teacher reporting comments on math	-0.446	0.095	15
	tmactmos	T/most important math activity	0.321	0.244	15
	tmgoalmo	T/most important math goal	0.425	0.114	15
	zttestma	R:/ math teacher frequency giving written math test	-0.349	0.203	15
	sexpall	School head years of experience - altogether	0.072	0.798	15
	sexptch	School head years of teaching	0.090	0.749	15
	sexpthis	School head experience in this school	-0.092	0.744	15
	slost	S/lost days	-0.189	0.499	15



	fy1zsschact	School activities (factor)	-0.188	0.502	15
	fy2zsschac	School activities (factor)	0.402	0.137	15
ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		18
	pabsent	P/days absent	0.108	0.671	18
	zpabwhy2	R:/ reason absent-ill	-0.171	0.497	18
	zpabwhy3	R:/ reason absent-family	-0.060	0.815	18
	zpabwhy4	R:/ reason absent-work	-0.053	0.836	18
	zpabwhy6	R:/ reason absent-fee not paid	0.188	0.456	18
	zpenglis	R:/ speaking English at home	-0.242	0.334	18
	yexper	T/years of teaching	0.162	0.520	18
	youtwork	T/hours outside	-0.084	0.741	18
	zymeet	R:/ math teacher frequency meeting parents	0.040	0.874	18
	fy1tmappr	Teacher math approach (factor)	0.169	0.503	18
	fy1zsacthd	School head activities (factor)	0.425	0.079	18
	fy2zsacthd	School head activities (factor)	0.254	0.308	18
	fy2tmappr	Teacher math approach (factor)	-0.191	0.448	18
	fy1tmact	Math teacher activities (factor)	-0.288	0.246	18
	fy2tmact	Math teacher activities (factor)	-0.350	0.154	18
	ztrepmat	R:/ math teacher reporting comments on math	-0.255	0.306	18
	tmactmos	T/most important math activity	0.177	0.482	18
	tmgoalmo	T/most important math goal	-0.308	0.214	18
	ztestma	R:/ math teacher frequency giving written math test	-0.210	0.403	18
	sexpall	S/sh altogether	-0.422	0.081	18
	sexptch	S/years teaching	-0.218	0.385	18
	sexpthis	S/sh this school	-0.446	0.064	18
	slost	S/lost days	-0.178	0.480	18
	fy1zsschact	School activities (factor)	0.360	0.142	18

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).



**APPENDIX 60**  
**SACMEQ COGNITIVE DOMAIN - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170
	ratott	SCR:/ teacher reading-all total raw score	0.342	<u>0.000</u>	168
	xqacad	S/qualification-academic	0.192	<u>0.012</u>	170
	fx2trgoal	Reading goals (factor)	0.112	0.146	170
	stchprim	S/Teachers (primary only)	-0.153	<u>0.047</u>	170
	stchseco	S/Teachers (secondary)	0.199	<u>0.009</u>	170
	stchtert	S/Teachers (tertiary)	0.291	<u>0.000</u>	170
	zstchaca	D:/ ratio teachers having tertiary academic education	0.207	<u>0.007</u>	170
	sqacadem	School head qualification-academic	0.319	<u>0.000</u>	170
	KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000	
ratott		SCR:/ teacher reading-all total raw score	0.127	0.094	175
xqacad		S/qualification-academic	0.031	0.679	175
fx2trgoal		Reading goals (factor)	0.107	0.160	175
stchprim		S/Teachers (primary only)	-0.127	0.087	184
stchseco		S/Teachers (secondary)	0.210	<u>0.004</u>	184
stchtert		S/Teachers (tertiary)	0.207	<u>0.005</u>	184
zstchaca		D:/ ratio teachers having tertiary academic education	0.141	0.056	184
sqacadem		School head qualification-academic	0.225	<u>0.002</u>	184
LES		ratotp	SCR:/ pupil reading-all total raw score	1.000	
	ratott	SCR:/ teacher reading-all total raw score	0.236	<u>0.002</u>	177
	xqacad	S/qualification-academic	0.050	0.507	177
	fx1trgoal	Reading goals (factor)	0.060	0.426	177
	stchprim	S/Teachers (primary only)	-0.096	0.206	177
	stchseco	S/Teachers (secondary)	0.182	<u>0.015</u>	177
	stchtert	S/Teachers (tertiary)	0.162	<u>0.031</u>	177
	zstchaca	D:/ ratio teachers having tertiary academic education	0.050	0.513	177
	sqacadem	School head qualification-academic	0.104	0.167	177
	MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000	
ratott		SCR:/ teacher reading-all total raw score	-0.113	0.190	137
xqacad		S/qualification-academic	-0.006	0.944	139
fx2trgoal		Reading goals (factor)	0.186	<u>0.028</u>	139
stchprim		S/Teachers (primary only)	0.057	0.507	140
stchseco		S/Teachers (secondary)	0.388	<u>0.000</u>	140
stchtert		S/Teachers (tertiary)	-0.024	0.780	140
zstchaca		D:/ ratio teachers having tertiary academic education	-0.034	0.691	140
sqacadem		School head qualification-academic	0.086	0.312	140
MAU		ratotp	SCR:/ pupil reading-all total raw score	1.000	
	ratott	SCR:/ teacher reading-all total raw score	.(a)	.	0
	xqacad	S/qualification-academic	-0.103	0.204	153
	fx1trgoal	Reading goals (factor)	-0.032	0.690	153
	stchprim	S/Teachers (primary only)	.(a)	.	153
	stchseco	S/Teachers (secondary)	0.461	<u>0.000</u>	153
	stchtert	S/Teachers (tertiary)	-0.009	0.912	153
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.091	0.261	153
	sqacadem	School head qualification-academic	-0.040	0.621	153
	MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000	
ratott		SCR:/ teacher reading-all total raw score	0.201	<u>0.008</u>	172
xqacad		S/qualification-academic	0.107	0.160	173
fx1trgoal		Reading goals (factor)	-0.089	0.247	173
stchprim		S/Teachers (primary only)	0.143	0.064	168



	stchseco	S/Teachers (secondary)	0.168	<u>0.029</u>	168
	stchtert	S/Teachers (tertiary)	0.139	0.072	168
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.171	<u>0.027</u>	168
	sqacadem	School head qualification-academic	0.175	<u>0.023</u>	168
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	ratott	SCR:/ teacher reading-all total raw score	0.482	<u>0.000</u>	269
	xqacad	S/qualification-academic	0.346	<u>0.000</u>	269
	fx1trgoal	Reading goals (factor)	0.151	<u>0.013</u>	269
	stchprim	S/Teachers (primary only)	0.078	0.200	270
	stchseco	S/Teachers (secondary)	0.040	0.517	270
	stchtert	S/Teachers (tertiary)	0.323	<u>0.000</u>	270
	zstchaca	D:/ ratio teachers having tertiary academic education	0.233	<u>0.000</u>	270
	sqacadem	School head qualification-academic	0.394	<u>0.000</u>	270
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	ratott	SCR:/ teacher reading-all total raw score	0.358	0.086	24
	xqacad	S/qualification-academic	0.379	0.068	24
	fx1trgoal	Reading goals (factor)	-0.299	0.156	24
	stchprim	S/Teachers (primary only)	-0.071	0.742	24
	stchseco	S/Teachers (secondary)	0.206	0.335	24
	stchtert	S/Teachers (tertiary)	-0.269	0.204	24
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.407	<u>0.048</u>	24
	sqacadem	School head qualification-academic	-0.198	0.354	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	ratott	SCR:/ teacher reading-all total raw score	.(a)	.	0
	xqacad	S/qualification-academic	0.300	<u>0.000</u>	164
	fx1trgoal	Reading goals (factor)	0.112	0.154	164
	fx2trgoal	Reading goals (factor)	0.115	0.144	164
	stchprim	S/Teachers (primary only)	-0.127	0.103	167
	stchseco	S/Teachers (secondary)	-0.203	<u>0.009</u>	167
	stchtert	S/Teachers (tertiary)	0.436	<u>0.000</u>	167
	zstchaca	D:/ ratio teachers having tertiary academic education	0.330	<u>0.000</u>	167
	sqacadem	School head qualification-academic	0.383	<u>0.000</u>	167
SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168
	ratott	SCR:/ teacher reading-all total raw score	0.092	0.241	164
	xqacad	S/qualification-academic	0.129	0.099	164
	fx1trgoal	Reading goals (factor)	-0.033	0.674	164
	stchprim	S/Teachers (primary only)	-0.019	0.806	168
	stchseco	S/Teachers (secondary)	-0.064	0.410	168
	stchtert	S/Teachers (tertiary)	0.162	<u>0.036</u>	168
	zstchaca	D:/ ratio teachers having tertiary academic education	0.099	0.203	168
	sqacadem	School head qualification-academic	0.113	0.144	168
TAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		181
	ratott	SCR:/ teacher reading-all total raw score	0.235	<u>0.002</u>	179
	xqacad	S/qualification-academic	0.069	0.359	179
	fx1trgoal	Reading goals (factor)	0.091	0.226	179
	stchprim	S/Teachers (primary only)	0.373	<u>0.000</u>	181
	stchseco	S/Teachers (secondary)	0.444	<u>0.000</u>	181
	stchtert	S/Teachers (tertiary)	0.129	0.082	181
	zstchaca	D:/ ratio teachers having tertiary academic education	0.017	0.818	181
	sqacadem	School head qualification-academic	0.171	<u>0.022</u>	181
UGA	ratotp	SCR:/ pupil reading-all total raw score	1.000		163
	ratott	SCR:/ teacher reading-all total raw score	0.067	0.402	159
	xqacad	S/qualification-academic	0.155	0.050	159
	fx1trgoal	Reading goals (factor)	0.135	0.090	159





	stchprim	S/Teachers (primary only)	0.075	0.341	163
	stchseco	S/Teachers (secondary)	0.013	0.873	163
	stchtert	S/Teachers (tertiary)	0.093	0.236	163
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.009	0.908	163
	sqacadem	School head qualification-academic	-0.005	0.946	163
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		173
	ratott	SCR:/ teacher reading-all total raw score	0.018	0.815	169
	xqacad	S/qualification-academic	-0.040	0.608	169
	fx1trgoal	Reading goals (factor)	0.173	<u>0.024</u>	169
	stchprim	S/Teachers (primary only)	0.337	<u>0.000</u>	169
	stchseco	S/Teachers (secondary)	0.323	<u>0.000</u>	169
	stchtert	S/Teachers (tertiary)	0.221	<u>0.004</u>	169
	zstchaca	D:/ ratio teachers having tertiary academic education	0.081	0.297	169
	sqacadem	School head qualification-academic	0.288	<u>0.000</u>	169
ZAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		145
	ratott	SCR:/ teacher reading-all total raw score	0.174	<u>0.043</u>	135
	xqacad	S/qualification-academic	0.078	0.362	140
	fx1trgoal	Reading goals (factor)	0.019	0.828	140
	stchprim	S/Teachers (primary only)	0.009	0.911	145
	stchseco	S/Teachers (secondary)	0.200	<u>0.016</u>	145
	stchtert	S/Teachers (tertiary)	0.074	0.374	145
	zstchaca	D:/ ratio teachers having tertiary academic education	0.053	0.524	145
	sqacadem	School head qualification-academic	-0.054	0.517	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.

## APPENDIX 60

### SACMEQ COGNITIVE DOMAIN - MATHEMATICS

Countries	Variables	Description	Pearson Cor	Sig	N
BOT	matotp	SCR:/ Pupils math-all total raw score	1.000		170
	matott	SCR:/ Teacher math-all total raw score	0.336	<u>0.000</u>	168
	ratotp	SCR:/ Pupil reading-all total raw score	0.880	<u>0.000</u>	170
	yqacad	T/Qualif-academic	0.167	<u>0.030</u>	170
	stchprim	S/Teachers (primary only)	-0.189	<u>0.014</u>	170
	stchseco	S/Teachers (secondary)	0.181	<u>0.018</u>	170
	stchtert	S/Teachers (tertiary)	0.267	<u>0.000</u>	170
	sqacadem	School head qualification-Academic	0.331	<u>0.000</u>	170
	zstchaca	D:/ ratio teachers having tertiary academic education	0.186	<u>0.015</u>	170
KEN	matotp	SCR:/ Pupils math-all total raw score	1.000		185
	matott	SCR:/ teacher math-all total raw score	0.078	0.297	180
	ratotp	SCR:/ pupil reading-all total raw score	0.895	<u>0.000</u>	185
	yqacad	T/Qualif-academic	0.069	0.355	180
	stchprim	S/Teachers (primary only)	-0.114	0.125	184
	stchseco	S/Teachers (secondary)	0.136	0.065	184
	stchtert	S/Teachers (tertiary)	0.178	<u>0.016</u>	184
	sqacadem	School head qualification-Academic	0.182	<u>0.013</u>	184
	zstchaca	D:/ ratio teachers having tertiary academic education	0.148	<u>0.045</u>	184
LES	matotp	SCR:/ Pupils math-all total raw score	1.000		177
	matott	SCR:/ teacher math-all total raw score	0.278	<u>0.000</u>	177
	ratotp	SCR:/ pupil reading-all total raw score	0.745	<u>0.000</u>	177
	yqacad	T/Qualif-academic	0.025	0.738	177
	stchprim	S/Teachers (primary only)	-0.011	0.880	177



	stchseco	S/Teachers (secondary)	0.088	0.247	177
	stchtert	S/Teachers (tertiary)	0.053	0.481	177
	sqacadem	School head qualification-Academic	-0.023	0.765	177
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.024	0.751	177
MAL	matotp	SCR:/ Pupils math-all total raw score	1.000		140
	matott	SCR:/ teacher math-all total raw score	0.034	0.701	129
	ratotp	SCR:/ pupil reading-all total raw score	0.629	<u>0.000</u>	140
	yqacad	T/Qualif-academic	0.025	0.769	136
	stchprim	S/Teachers (primary only)	0.012	0.885	140
	stchseco	S/Teachers (secondary)	0.324	<u>0.000</u>	140
	stchtert	S/Teachers (tertiary)	-0.088	0.304	140
	sqacadem	School head qualification-Academic	0.055	0.516	140
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.108	0.203	140
MAU	matotp	SCR:/ Pupils math-all total raw score	1.000		153
	matott	SCR:/ teacher math-all total raw score	.(a)	.	0
	ratotp	SCR:/ pupil reading-all total raw score	0.906	<u>0.000</u>	153
	yqacad	T/Qualif-academic	-0.094	0.246	153
	stchprim	S/Teachers (primary only)	.(a)	.	153
	stchseco	S/Teachers (secondary)	0.476	<u>0.000</u>	153
	stchtert	S/Teachers (tertiary)	0.035	0.663	153
	sqacadem	School head qualification-Academic	-0.033	0.690	153
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.038	0.637	153
MOZ	matotp	SCR:/ Pupils math-all total raw score	1.000		176
	matott	SCR:/ teacher math-all total raw score	0.117	0.132	168
	ratotp	SCR:/ pupil reading-all total raw score	0.778	<u>0.000</u>	176
	yqacad	T/Qualif-academic	-0.029	0.707	171
	stchprim	S/Teachers (primary only)	0.079	0.309	168
	stchseco	S/Teachers (secondary)	0.147	0.057	168
	stchtert	S/Teachers (tertiary)	-0.022	0.778	168
	sqacadem	School head qualification-Academic	0.055	0.479	168
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.229	<u>0.003</u>	168
NAM	matotp	SCR:/ Pupils math-all total raw score	1.000		270
	matott	SCR:/ teacher math-all total raw score	0.505	<u>0.000</u>	270
	ratotp	SCR:/ pupil reading-all total raw score	0.940	<u>0.000</u>	270
	yqacad	T/Qualif-academic	0.369	<u>0.000</u>	270
	stchprim	S/Teachers (primary only)	0.057	0.353	270
	stchseco	S/Teachers (secondary)	0.047	0.444	270
	stchtert	S/Teachers (tertiary)	0.278	<u>0.000</u>	270
	sqacadem	School head qualification-Academic	0.367	<u>0.000</u>	270
	zstchaca	D:/ ratio teachers having tertiary academic education	0.231	<u>0.000</u>	270
SEY	matotp	SCR:/ Pupils math-all total raw score	1.000		24
	matott	SCR:/ teacher math-all total raw score	0.064	0.768	24
	ratotp	SCR:/ pupil reading-all total raw score	0.890	<u>0.000</u>	24
	yqacad	T/Qualif-academic	0.135	0.529	24
	stchprim	S/Teachers (primary only)	-0.097	0.651	24
	stchseco	S/Teachers (secondary)	0.271	0.200	24
	stchtert	S/Teachers (tertiary)	-0.285	0.178	24
	sqacadem	School head qualification-Academic	-0.111	0.607	24
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.488	<u>0.016</u>	24
SOU	matotp	SCR:/ Pupils math-all total raw score	1.000		169
	matott	SCR:/ teacher math-all total raw score	.(a)	.	0
	ratotp	SCR:/ pupil reading-all total raw score	0.900	<u>0.000</u>	169
	yqacad	T/Qualif-academic	0.379	<u>0.000</u>	163
	stchprim	S/Teachers (primary only)	-0.098	0.207	167



	stchseco	S/Teachers (secondary)	-0.232	<u>0.003</u>	167
	stchtert	S/Teachers (tertiary)	0.385	<u>0.000</u>	167
	sqacadem	School head qualification-Academic	0.354	<u>0.000</u>	167
	zstchaca	D:/ ratio teachers having tertiary academic education	0.310	<u>0.000</u>	167
SWA	matotp	SCR:/ Pupils math-all total raw score	1.000		168
	matott	SCR:/ teacher math-all total raw score	0.322	<u>0.000</u>	164
	ratotp	SCR:/ pupil reading-all total raw score	0.744	<u>0.000</u>	168
	yqacad	T/Qualif-academic	0.035	0.654	166
	stchprim	S/Teachers (primary only)	0.023	0.770	168
	stchseco	S/Teachers (secondary)	0.005	0.953	168
	stchtert	S/Teachers (tertiary)	0.022	0.781	168
	sqacadem	School head qualification-Academic	0.084	0.281	168
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.001	0.985	168
TAN	matotp	SCR:/ Pupils math-all total raw score	1.000		181
	matott	SCR:/ teacher math-all total raw score	0.230	<u>0.003</u>	167
	ratotp	SCR:/ pupil reading-all total raw score	0.819	<u>0.000</u>	181
	yqacad	T/Qualif-academic	-0.026	0.733	178
	stchprim	S/Teachers (primary only)	0.280	<u>0.000</u>	181
	stchseco	S/Teachers (secondary)	0.334	<u>0.000</u>	181
	stchtert	S/Teachers (tertiary)	0.058	0.436	181
	sqacadem	School head qualification-Academic	0.112	0.134	181
	zstchaca	D:/ ratio teachers having tertiary academic education	-0.025	0.742	181
UGA	matotp	SCR:/ Pupils math-all total raw score	1.000		163
	matott	SCR:/ teacher math-all total raw score	-0.027	0.764	122
	ratotp	SCR:/ pupil reading-all total raw score	0.788	<u>0.000</u>	163
	yqacad	T/Qualif-academic	0.138	0.128	122
	stchprim	S/Teachers (primary only)	0.085	0.281	163
	stchseco	S/Teachers (secondary)	-0.099	0.210	163
	stchtert	S/Teachers (tertiary)	0.045	0.567	163
	sqacadem	School head qualification-Academic	-0.049	0.535	163
	zstchaca	D:/ ratio teachers having tertiary academic education	0.014	0.862	163
ZAM	matotp	SCR:/ Pupils math-all total raw score	1.000		173
	matott	SCR:/ teacher math-all total raw score	0.026	0.734	169
	ratotp	SCR:/ pupil reading-all total raw score	0.830	<u>0.000</u>	173
	ratott		0.102	0.188	169
	yqacad	T/Qualif-academic	-0.074	0.337	170
	stchprim	S/Teachers (primary only)	0.261	<u>0.001</u>	169
	stchseco	S/Teachers (secondary)	0.188	<u>0.015</u>	169
	stchtert	S/Teachers (tertiary)	0.174	<u>0.023</u>	169
	sqacadem	School head qualification-Academic	0.183	<u>0.017</u>	169
	zstchaca	D:/ ratio teachers having tertiary academic education	0.084	0.277	169
ZAN	matotp	SCR:/ Pupils math-all total raw score	1.000		145
	matott	SCR:/ teacher math-all total raw score	0.214	<u>0.014</u>	131
	ratotp	SCR:/ pupil reading-all total raw score	0.673	<u>0.000</u>	145
	yqacad	T/Qualif-academic	0.206	<u>0.015</u>	138
	stchprim	S/Teachers (primary only)	0.174	<u>0.037</u>	145
	stchseco	S/Teachers (secondary)	-0.054	0.516	145
	stchtert	S/Teachers (tertiary)	0.047	0.575	145
	sqacadem	School head qualification-Academic	0.016	0.852	145
	zstchaca	D:/ ratio teachers having tertiary academic education	0.053	0.528	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 61**  
**SACMEQ AFFECTIVE DOMAIN - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N	
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170	
	zxsat01	Read teacher satisfaction-distance	0.048	0.538	170	
	zxsat03	Read teacher satisfaction-school building quality	-0.053	0.493	170	
	zxsat04	Read teacher satisfaction-teacher house availability	-0.027	0.724	170	
	zxsat05	Readteacher satisfaction-teacher house quality	0.015	0.844	170	
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.098	0.202	170	
	zxsat08	Read teacher satisfaction-level of salary	0.037	0.632	170	
	zxsat10	Read teacher satisfaction-pupil learn	0.039	0.615	170	
	zxsat12	Read teacher satisfaction-school management quality	0.102	0.185	170	
	zxsat13	Readteacher satisfaction-staff relationship	0.102	0.187	170	
	zxsat14	Readteacher satisfaction-community relationship	0.034	0.661	170	
	zxsat15	Readteacher satisfaction-promotion opportunity	-0.153	<u>0.047</u>	170	
	zxsat16	Readteacher satisfaction-further study	-0.146	0.057	170	
	KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000		185
		zxsat01	Read teacher satisfaction-distance	0.002	0.981	175
		zxsat03	Read teacher satisfaction-school building quality	-0.052	0.491	175
		zxsat04	Read teacher satisfaction-teacher house availability	0.031	0.686	175
zxsat05		Readteacher satisfaction-teacher house quality	-0.028	0.711	175	
zxsat07		Read teacher satisfaction-classroom furniture quality	0.080	0.294	175	
zxsat08		Read teacher satisfaction-level of salary	-0.024	0.751	175	
zxsat10		Read teacher satisfaction-pupil learn	-0.132	0.081	175	
zxsat12		Read teacher satisfaction-school management quality	-0.072	0.341	175	
zxsat13		Read teacher satisfaction-staff relationship	-0.096	0.205	175	
zxsat14		Read teacher satisfaction-community relationship	-0.064	0.397	175	
zxsat15		Read teacher satisfaction-promotion opportunity	-0.010	0.891	175	
zxsat16		Read teacher satisfaction-further study	-0.021	0.781	175	
LES		ratotp	SCR:/ pupil reading-all total raw score	1.000		177
		zxsat01	Read teacher satisfaction-distance	0.137	0.069	177
		zxsat03	Read teacher satisfaction-school building quality	-0.019	0.801	177
		zxsat04	Read teacher satisfaction-teacher house availability	-0.021	0.786	177
	zxsat05	Read teacher satisfaction-teacher house quality	-0.021	0.780	177	
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.075	0.319	177	
	zxsat08	Read teacher satisfaction-level of salary	0.145	0.054	177	
	zxsat10	Read teacher satisfaction-pupil learn	0.067	0.372	177	
	zxsat12	Read teacher satisfaction-school management quality	0.092	0.222	177	
	zxsat13	Read teacher satisfaction-staff relationship	0.086	0.257	177	
	zxsat14	Read teacher satisfaction-community relationship	0.053	0.485	177	
	zxsat15	Read teacher satisfaction-promotion opportunity	0.127	0.092	177	
	zxsat16	Read teacher satisfaction-further study	0.070	0.352	177	
	MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000		140
		zxsat01	Read teacher satisfaction-distance	0.000	0.996	139
		zxsat03	Read teacher satisfaction-school building quality	0.004	0.963	139
		zxsat04	Read teacher satisfaction-teacher house availability	-0.168	<u>0.048</u>	139
zxsat05		Read teacher satisfaction-teacher house quality	-0.047	0.584	139	
zxsat07		Read teacher satisfaction-classroom furniture quality	0.058	0.500	139	
zxsat08		Read teacher satisfaction-level of salary	0.056	0.511	139	
zxsat10		Read teacher satisfaction-pupil learn	0.197	<u>0.020</u>	139	



	zxsat12	Read teacher satisfaction-school management quality	-0.024	0.776	139
	zxsat13	Read teacher satisfaction-staff relationship	-0.174	<u>0.040</u>	139
	zxsat14	Read teacher satisfaction-community relationship	-0.098	0.249	139
	zxsat15	Read teacher satisfaction-promotion opportunity	0.055	0.521	139
	zxsat16	Read teacher satisfaction-further study	0.045	0.595	139
MAU	ratotp	SCR:/ pupil reading-all total raw score	1.000		153
	zxsat01	Read teacher satisfaction-distance	-0.094	0.248	153
	zxsat03	Read teacher satisfaction-school building quality	0.157	0.052	153
	zxsat04	Read teacher satisfaction-teacher house availability	0.050	0.538	153
	zxsat05	Read teacher satisfaction-teacher house quality	0.142	0.080	153
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.100	0.220	153
	zxsat08	Read teacher satisfaction-level of salary	-0.014	0.868	153
	zxsat10	Read teacher satisfaction-pupil learn	0.147	0.071	153
	zxsat12	Read teacher satisfaction-school management quality	0.196	<u>0.015</u>	153
	zxsat13	Read teacher satisfaction-staff relationship	0.154	0.058	153
	zxsat14	Read teacher satisfaction-community relationship	0.044	0.588	153
	zxsat15	Read teacher satisfaction-promotion opportunity	0.187	<u>0.020</u>	153
	zxsat16	Read teacher satisfaction-further study	0.065	0.425	153
MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		176
	zxsat01	Read teacher satisfaction-distance	0.097	0.204	173
	zxsat03	Read teacher satisfaction-school building quality	-0.004	0.957	173
	zxsat04	Read teacher satisfaction-teacher house availability	0.135	0.077	173
	zxsat05	Read teacher satisfaction-teacher house quality	0.081	0.287	173
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.043	0.575	173
	zxsat08	Read teacher satisfaction-level of salary	0.083	0.278	173
	zxsat10	Read teacher satisfaction-pupil learn	-0.001	0.992	173
	zxsat12	Read teacher satisfaction-school management quality	0.067	0.378	173
	zxsat13	Read teacher satisfaction-staff relationship	0.083	0.280	173
	zxsat14	Read teacher satisfaction-community relationship	-0.027	0.729	173
	zxsat15	Read teacher satisfaction-promotion opportunity	0.105	0.171	173
	zxsat16	Read teacher satisfaction-further study	0.035	0.648	173
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	zxsat01	Read teacher satisfaction-distance	-0.075	0.222	269
	zxsat03	Read teacher satisfaction-school building quality	-0.072	0.242	269
	zxsat04	Read teacher satisfaction-teacher house availability	-0.164	<u>0.007</u>	269
	zxsat05	Read teacher satisfaction-teacher house quality	-0.059	0.333	269
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.011	0.855	269
	zxsat08	Read teacher satisfaction-level of salary	0.144	<u>0.018</u>	269
	zxsat10	Read teacher satisfaction-pupil learn	0.124	<u>0.042</u>	269
	zxsat12	Read teacher satisfaction-school management quality	0.123	<u>0.044</u>	269
	zxsat13	Read teacher satisfaction-staff relationship	0.098	0.110	269
	zxsat14	Read teacher satisfaction-community relationship	-0.045	0.463	269
	zxsat15	Read teacher satisfaction-promotion opportunity	0.027	0.656	269
	zxsat16	Read teacher satisfaction-further study	-0.062	0.309	269
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	zxsat01	Read teacher satisfaction-distance	-0.469	<u>0.021</u>	24
	zxsat03	Read teacher satisfaction-school building quality	0.014	0.947	24
	zxsat04	Read teacher satisfaction-teacher house availability	-0.564	<u>0.004</u>	24
	zxsat05	Read teacher satisfaction-teacher house quality	-0.419	<u>0.042</u>	24
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.126	0.558	24
	zxsat08	Read teacher satisfaction-level of salary	-0.068	0.753	24



	zxsat10	Read teacher satisfaction-pupil learn	-0.031	0.886	24
	zxsat12	Read teacher satisfaction-school management quality	0.028	0.898	24
	zxsat13	Read teacher satisfaction-staff relationship	-0.002	0.991	24
	zxsat14	Read teacher satisfaction-community relationship	0.011	0.961	24
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.438	<u>0.032</u>	24
	zxsat16	Read teacher satisfaction-further study	-0.224	0.293	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	zxsat01	Read teacher satisfaction-distance	-0.103	0.188	164
	zxsat03	Read teacher satisfaction-school building quality	-0.063	0.420	164
	zxsat04	Read teacher satisfaction-teacher house availability	-0.180	<u>0.021</u>	164
	zxsat05	Read teacher satisfaction-teacher house quality	-0.163	<u>0.037</u>	164
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.075	0.343	164
	zxsat08	Read teacher satisfaction-level of salary	0.048	0.543	164
	zxsat10	Read teacher satisfaction-pupil learn	0.097	0.219	164
	zxsat12	Read teacher satisfaction-school management quality	0.054	0.491	164
	zxsat13	Read teacher satisfaction-staff relationship	0.098	0.213	164
	zxsat14	Read teacher satisfaction-community relationship	0.039	0.619	164
	zxsat15	Read teacher satisfaction-promotion opportunity	0.168	<u>0.032</u>	164
	zxsat16	Read teacher satisfaction-further study	-0.076	0.333	164
SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168
	zxsat01	Read teacher satisfaction-distance	0.172	<u>0.028</u>	164
	zxsat03	Read teacher satisfaction-school building quality	0.031	0.698	164
	zxsat04	Read teacher satisfaction-teacher house availability	-0.085	0.276	164
	zxsat05	Read teacher satisfaction-teacher house quality	-0.006	0.939	164
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.060	0.443	164
	zxsat08	Read teacher satisfaction-level of salary	0.046	0.561	164
	zxsat10	Read teacher satisfaction-pupil learn	0.089	0.255	164
	zxsat12	Read teacher satisfaction-school management quality	0.069	0.381	164
	zxsat13	Read teacher satisfaction-staff relationship	0.111	0.157	164
	zxsat14	Read teacher satisfaction-community relationship	0.008	0.918	164
	zxsat15	Read teacher satisfaction-promotion opportunity	0.058	0.465	164
	zxsat16	Read teacher satisfaction-further study	0.131	0.096	164
TAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		181
	zxsat01	Read teacher satisfaction-distance	0.112	0.136	179
	zxsat03	Read teacher satisfaction-school building quality	0.014	0.849	179
	zxsat04	Read teacher satisfaction-teacher house availability	-0.016	0.835	179
	zxsat05	Read teacher satisfaction-teacher house quality	0.067	0.375	179
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.148	<u>0.048</u>	179
	zxsat08	Read teacher satisfaction-level of salary	0.028	0.710	179
	zxsat10	Read teacher satisfaction-pupil learn	-0.033	0.659	179
	zxsat12	Read teacher satisfaction-school management quality	-0.041	0.589	179
	zxsat13	Read teacher satisfaction-staff relationship	-0.010	0.893	179
	zxsat14	Read teacher satisfaction-community relationship	-0.023	0.758	179
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.024	0.748	179
	zxsat16	Read teacher satisfaction-further study	0.059	0.429	179
UGA	ratotp	SCR:/ pupil reading-all total raw score	1.000		163
	zxsat01	Read teacher satisfaction-distance	-0.021	0.792	159
	zxsat03	Read teacher satisfaction-school building quality	-0.039	0.630	159
	zxsat04	Read teacher satisfaction-teacher house availability	-0.079	0.323	159
	zxsat05	Read teacher satisfaction-teacher house quality	0.030	0.707	159
	zxsat07	Read teacher satisfaction-classroom furniture quality	-0.013	0.875	159
	zxsat08	Read teacher satisfaction-level of salary	0.011	0.894	159

	zxsat10	Read teacher satisfaction-pupil learn	0.054	0.498	159
	zxsat12	Read teacher satisfaction-school management quality	0.133	0.094	159
	zxsat13	Read teacher satisfaction-staff relationship	-0.003	0.974	159
	zxsat14	Read teacher satisfaction-community relationship	-0.029	0.716	159
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.053	0.507	159
	zxsat16	Read teacher satisfaction-further study	-0.021	0.790	159
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		173
	zxsat01	Read teacher satisfaction-distance	-0.034	0.660	169
	zxsat03	Read teacher satisfaction-school building quality	-0.007	0.930	169
	zxsat04	Read teacher satisfaction-teacher house availability	0.006	0.935	169
	zxsat05	Read teacher satisfaction-teacher house quality	0.104	0.178	169
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.056	0.469	169
	zxsat08	Read teacher satisfaction-level of salary	0.034	0.658	169
	zxsat10	Read teacher satisfaction-pupil learn	0.087	0.259	169
	zxsat12	Read teacher satisfaction-school management quality	0.056	0.467	169
	zxsat13	Read teacher satisfaction-staff relationship	-0.009	0.910	169
	zxsat14	Read teacher satisfaction-community relationship	-0.006	0.937	169
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.014	0.859	169
	zxsat16	Read teacher satisfaction-further study	0.040	0.606	169
ZAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		145
	zxsat01	Read teacher satisfaction-distance	-0.098	0.250	140
	zxsat03	Read teacher satisfaction-school building quality	0.093	0.272	140
	zxsat04	Read teacher satisfaction-teacher house availability	0.171	<u>0.043</u>	140
	zxsat05	Read teacher satisfaction-teacher house quality	0.097	0.252	140
	zxsat07	Read teacher satisfaction-classroom furniture quality	0.165	0.051	140
	zxsat08	Read teacher satisfaction-level of salary	0.043	0.612	140
	zxsat10	Read teacher satisfaction-pupil learn	0.136	0.109	140
	zxsat12	Read teacher satisfaction-school management quality	0.179	<u>0.035</u>	140
	zxsat13	Read teacher satisfaction-staff relationship	0.069	0.416	140
	zxsat14	Read teacher satisfaction-community relationship	0.045	0.596	140
	zxsat15	Read teacher satisfaction-promotion opportunity	-0.039	0.646	140
	zxsat16	Read teacher satisfaction-further study	0.041	0.628	140

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

## APPENDIX 61

### SACMEQ AFFECTIVE DOMAIN - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig	N
BOT	matotp	SCR:/ pupil math-all total raw score	1.000		170
	zxsat01	Math teacher satisfaction-distance	-0.120	0.120	170
	zxsat03	Math teacher satisfaction-school building quality	-0.014	0.861	170
	zxsat04	Math teacher satisfaction-teacher house availability	0.062	0.425	170
	zxsat05	Math teacher satisfaction-teacher house quality	0.064	0.407	170
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.112	0.144	170
	zxsat08	Math teacher satisfaction-level of salary	0.088	0.252	170
	zxsat10	Math teacher satisfaction-pupil learn	-0.003	0.968	170
	zxsat12	Math teacher satisfaction-school management quality	0.081	0.292	170
	zxsat13	Math teacher satisfaction-staff relationship	0.040	0.600	170
	zxsat14	Math teacher satisfaction-community relationship	-0.088	0.255	170
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.167	<u>0.029</u>	170
	zxsat16	Math teacher satisfaction-further study	-0.132	0.086	170



KEN	matotp	SCR:/ pupil math-all total raw score	1.000		185	
	zxsat01	Math teacher satisfaction-distance	-0.022	0.766	180	
	zxsat03	Math teacher satisfaction-school building quality	0.065	0.385	180	
	zxsat04	Math teacher satisfaction-teacher house availability	-0.034	0.649	180	
	zxsat05	Math teacher satisfaction-teacher house quality	0.018	0.815	180	
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.228	<u>0.002</u>	180	
	zxsat08	Math teacher satisfaction-level of salary	0.161	<u>0.031</u>	180	
	zxsat10	Math teacher satisfaction-pupil learn	0.092	0.222	180	
	zxsat12	Math teacher satisfaction-school management quality	0.026	0.732	180	
	zxsat13	Math teacher satisfaction-staff relationship	0.147	<u>0.049</u>	180	
	zxsat14	Math teacher satisfaction-community relationship	0.085	0.259	180	
	zxsat15	Math teacher satisfaction-promotion opportunity	0.091	0.224	180	
	zxsat16	Math teacher satisfaction-further study	0.101	0.178	180	
	LES	matotp	SCR:/ pupil math-all total raw score	1.000		177
		zxsat01	Math teacher satisfaction-distance	0.023	0.762	177
		zxsat03	Math teacher satisfaction-school building quality	-0.037	0.624	177
		zxsat04	Math teacher satisfaction-teacher house availability	-0.020	0.787	177
zxsat05		Math teacher satisfaction-teacher house quality	-0.039	0.608	177	
zxsat07		Math teacher satisfaction-classroom furniture quality	-0.067	0.372	177	
zxsat08		Math teacher satisfaction-level of salary	0.085	0.261	177	
zxsat10		Math teacher satisfaction-pupil learn	-0.016	0.835	177	
zxsat12		Math teacher satisfaction-school management quality	0.013	0.865	177	
zxsat13		Math teacher satisfaction-staff relationship	0.057	0.454	177	
zxsat14		Math teacher satisfaction-community relationship	0.047	0.532	177	
zxsat15		Math teacher satisfaction-promotion opportunity	0.053	0.480	177	
zxsat16		Math teacher satisfaction-further study	0.009	0.900	177	
MAL		matotp	SCR:/ pupil math-all total raw score	1.000		140
		zxsat01	Math teacher satisfaction-distance	0.082	0.344	136
		zxsat03	Math teacher satisfaction-school building quality	-0.009	0.919	136
		zxsat04	Math teacher satisfaction-teacher house availability	0.041	0.634	136
	zxsat05	Math teacher satisfaction-teacher house quality	-0.036	0.680	136	
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.076	0.381	136	
	zxsat08	Math teacher satisfaction-level of salary	-0.187	<u>0.030</u>	136	
	zxsat10	Math teacher satisfaction-pupil learn	0.113	0.192	136	
	zxsat12	Math teacher satisfaction-school management quality	0.001	0.995	136	
	zxsat13	Math teacher satisfaction-staff relationship	-0.081	0.348	136	
	zxsat14	Math teacher satisfaction-community relationship	0.061	0.479	136	
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.026	0.766	136	
	zxsat16	Math teacher satisfaction-further study	-0.007	0.937	136	
	MAU	matotp	SCR:/ pupil math-all total raw score	1.000		153
		zxsat01	Math teacher satisfaction-distance	-0.030	0.712	153
		zxsat03	Math teacher satisfaction-school building quality	0.119	0.143	153
		zxsat04	Math teacher satisfaction-teacher house availability	0.050	0.536	153
zxsat05		Math teacher satisfaction-teacher house quality	0.170	<u>0.036</u>	153	
zxsat07		Math teacher satisfaction-classroom furniture quality	0.144	0.075	153	
zxsat08		Math teacher satisfaction-level of salary	0.008	0.919	153	
zxsat10		Math teacher satisfaction-pupil learn	0.101	0.213	153	
zxsat12		Math teacher satisfaction-school management quality	0.197	<u>0.014</u>	153	
zxsat13		Math teacher satisfaction-staff relationship	0.102	0.208	153	
zxsat14		Math teacher satisfaction-community relationship	0.077	0.343	153	
zxsat15		Math teacher satisfaction-promotion opportunity	0.196	<u>0.015</u>	153	
zxsat16		Math teacher satisfaction-further study	0.086	0.293	153	





MOZ	matotp	SCR:/ pupil math-all total raw score	1.000		176
	zxsat01	Math teacher satisfaction-distance	-0.070	0.364	171
	zxsat03	Math teacher satisfaction-school building quality	-0.218	<u>0.004</u>	171
	zxsat04	Math teacher satisfaction-teacher house availability	-0.035	0.654	171
	zxsat05	Math teacher satisfaction-teacher house quality	-0.124	0.106	171
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.023	0.769	171
	zxsat08	Math teacher satisfaction-level of salary	0.002	0.977	171
	zxsat10	Math teacher satisfaction-pupil learn	-0.031	0.692	171
	zxsat12	Math teacher satisfaction-school management quality	-0.140	0.067	171
	zxsat13	Math teacher satisfaction-staff relationship	-0.147	0.056	171
	zxsat14	Math teacher satisfaction-community relationship	-0.051	0.505	171
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.039	0.616	171
	zxsat16	Math teacher satisfaction-further study	0.001	0.985	171
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		270
	zxsat01	Math teacher satisfaction-distance	-0.183	<u>0.003</u>	270
	zxsat03	Math teacher satisfaction-school building quality	0.012	0.844	270
	zxsat04	Math teacher satisfaction-teacher house availability	-0.056	0.363	270
	zxsat05	Math teacher satisfaction-teacher house quality	-0.056	0.358	270
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.016	0.792	270
	zxsat08	Math teacher satisfaction-level of salary	0.022	0.720	270
	zxsat10	Math teacher satisfaction-pupil learn	0.061	0.322	270
	zxsat12	Math teacher satisfaction-school management quality	0.100	0.100	270
	zxsat13	Math teacher satisfaction-staff relationship	0.121	<u>0.046</u>	270
	zxsat14	Math teacher satisfaction-community relationship	0.027	0.658	270
	zxsat15	Math teacher satisfaction-promotion opportunity	0.085	0.165	270
	zxsat16	Math teacher satisfaction-further study	-0.192	<u>0.002</u>	270
SEY	matotp	SCR:/ pupil math-all total raw score	1.000		24
	zxsat01	Math teacher satisfaction-distance	-0.303	0.150	24
	zxsat03	Math teacher satisfaction-school building quality	0.289	0.171	24
	zxsat04	Math teacher satisfaction-teacher house availability	-0.483	<u>0.017</u>	24
	zxsat05	Math teacher satisfaction-teacher house quality	-0.384	0.064	24
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.116	0.590	24
	zxsat08	Math teacher satisfaction-level of salary	0.025	0.908	24
	zxsat10	Math teacher satisfaction-pupil learn	.(a)	.	24
	zxsat12	Math teacher satisfaction-school management quality	0.103	0.633	24
	zxsat13	Math teacher satisfaction-staff relationship	0.255	0.230	24
	zxsat14	Math teacher satisfaction-community relationship	-0.575	<u>0.003</u>	24
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.242	0.255	24
	zxsat16	Math teacher satisfaction-further study	0.086	0.689	24
SOU	matotp	SCR:/ pupil math-all total raw score	1.000		169
	zxsat01	Math teacher satisfaction-distance	0.019	0.811	163
	zxsat03	Math teacher satisfaction-school building quality	-0.132	0.094	163
	zxsat04	Math teacher satisfaction-teacher house availability	-0.189	<u>0.016</u>	163
	zxsat05	Math teacher satisfaction-teacher house quality	-0.185	<u>0.018</u>	163
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.055	0.483	163
	zxsat08	Math teacher satisfaction-level of salary	0.074	0.345	163
	zxsat10	Math teacher satisfaction-pupil learn	0.011	0.894	163
	zxsat12	Math teacher satisfaction-school management quality	0.084	0.285	163
	zxsat13	Math teacher satisfaction-staff relationship	0.059	0.451	163
	zxsat14	Math teacher satisfaction-community relationship	0.030	0.708	163
	zxsat15	Math teacher satisfaction-promotion opportunity	0.191	<u>0.015</u>	163
	zxsat16	Math teacher satisfaction-further study	0.056	0.479	163



SWA	matotp	SCR:/ pupil math-all total raw score	1.000		168
	zxsat01	Math teacher satisfaction-distance	0.076	0.329	166
	zxsat03	Math teacher satisfaction-school building quality	-0.042	0.587	166
	zxsat04	Math teacher satisfaction-teacher house availability	-0.045	0.568	166
	zxsat05	Math teacher satisfaction-teacher house quality	0.057	0.467	166
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.034	0.660	166
	zxsat08	Math teacher satisfaction-level of salary	0.112	0.152	166
	zxsat10	Math teacher satisfaction-pupil learn	-0.008	0.920	166
	zxsat12	Math teacher satisfaction-school management quality	0.107	0.171	166
	zxsat13	Math teacher satisfaction-staff relationship	-0.059	0.448	166
	zxsat14	Math teacher satisfaction-community relationship	0.040	0.605	166
	zxsat15	Math teacher satisfaction-promotion opportunity	0.043	0.582	166
	zxsat16	Math teacher satisfaction-further study	-0.084	0.281	166
TAN	matotp	SCR:/ pupil math-all total raw score	1.000		181
	zxsat01	Math teacher satisfaction-distance	0.107	0.157	178
	zxsat03	Math teacher satisfaction-school building quality	0.017	0.823	178
	zxsat04	Math teacher satisfaction-teacher house availability	0.027	0.721	178
	zxsat05	Math teacher satisfaction-teacher house quality	-0.010	0.898	178
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.084	0.263	178
	zxsat08	Math teacher satisfaction-level of salary	-0.066	0.380	178
	zxsat10	Math teacher satisfaction-pupil learn	-0.027	0.719	178
	zxsat12	Math teacher satisfaction-school management quality	-0.042	0.578	178
	zxsat13	Math teacher satisfaction-staff relationship	-0.081	0.282	178
	zxsat14	Math teacher satisfaction-community relationship	-0.042	0.574	178
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.033	0.666	178
	zxsat16	Math teacher satisfaction-further study	-0.028	0.713	178
UGA	matotp	SCR:/ pupil math-all total raw score	1.000		163
	zxsat01	Math teacher satisfaction-distance	0.054	0.557	122
	zxsat03	Math teacher satisfaction-school building quality	0.087	0.338	122
	zxsat04	Math teacher satisfaction-teacher house availability	-0.035	0.704	122
	zxsat05	Math teacher satisfaction-teacher house quality	-0.052	0.568	122
	zxsat07	Math teacher satisfaction-classroom furniture quality	0.042	0.647	122
	zxsat08	Math teacher satisfaction-level of salary	0.150	0.100	122
	zxsat10	Math teacher satisfaction-pupil learn	-0.085	0.354	122
	zxsat12	Math teacher satisfaction-school management quality	0.078	0.394	122
	zxsat13	Math teacher satisfaction-staff relationship	-0.028	0.761	122
	zxsat14	Math teacher satisfaction-community relationship	-0.172	0.058	122
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.186	0.040	122
	zxsat16	Math teacher satisfaction-further study	-0.127	0.164	122
ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		173
	zxsat01	Math teacher satisfaction-distance	-0.026	0.737	170
	zxsat03	Math teacher satisfaction-school building quality	0.013	0.867	170
	zxsat04	Math teacher satisfaction-teacher house availability	-0.035	0.651	170
	zxsat05	Math teacher satisfaction-teacher house quality	0.067	0.384	170
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.011	0.887	170
	zxsat08	Math teacher satisfaction-level of salary	0.035	0.653	170
	zxsat10	Math teacher satisfaction-pupil learn	0.038	0.627	170
	zxsat12	Math teacher satisfaction-school management quality	0.039	0.612	170
	zxsat13	Math teacher satisfaction-staff relationship	-0.023	0.764	170
	zxsat14	Math teacher satisfaction-community relationship	-0.006	0.943	170
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.028	0.715	170
	zxsat16	Math teacher satisfaction-further study	-0.028	0.713	170



ZAN	matotp	SCR:/ pupil math-all total raw score	1.000		145
	zxsat01	Math teacher satisfaction-distance	-0.052	0.542	138
	zxsat03	Math teacher satisfaction-school building quality	-0.202	<u>0.018</u>	138
	zxsat04	Math teacher satisfaction-teacher house availability	-0.124	0.147	138
	zxsat05	Math teacher satisfaction-teacher house quality	-0.061	0.474	138
	zxsat07	Math teacher satisfaction-classroom furniture quality	-0.027	0.757	138
	zxsat08	Math teacher satisfaction-level of salary	-0.006	0.943	138
	zxsat10	Math teacher satisfaction-pupil learn	-0.014	0.868	138
	zxsat12	Math teacher satisfaction-school management quality	-0.097	0.255	138
	zxsat13	Math teacher satisfaction-staff relationship	0.035	0.687	138
	zxsat14	Math teacher satisfaction-community relationship	-0.068	0.427	138
	zxsat15	Math teacher satisfaction-promotion opportunity	-0.102	0.235	138
	zxsat16	Math teacher satisfaction-further study	-0.023	0.791	138

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 62**  
**SACMEQ BEHAVIOURAL DOMAIN - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N	
BOT	ratotp	SCR:/ pupil read-all total raw score	1.000		170	
	pabsent	P/days absent	-0.088	0.256	170	
	zpabwhy2	R:/ reason absent-ill	-0.117	0.151	153	
	zpabwhy3	R:/ reason absent-family	0.154	0.057	153	
	zpabwhy4	R:/ reason absent-work	-0.071	0.385	153	
	zpabwhy6	R:/ reason absent-fee not paid	0.002	0.981	153	
	zpenglis	R:/ speaking English at home	0.497	<u>0.000</u>	170	
	xexper	T/years of teaching	0.291	<u>0.000</u>	170	
	xoutwork	T/hours outside	-0.194	<u>0.011</u>	170	
	zxmeet	R:/ read teacher frequency meeting parents	0.060	0.439	170	
	fx2trappr	Teacher read approach (factor)	-0.098	0.205	170	
	fx2tract	Reading teacher activities (factor)	-0.165	<u>0.031</u>	170	
	fx1tract	Reading teacher activities (factor)	0.225	<u>0.003</u>	170	
	fx1zsacthd	School head activities (factor)			170	
	fx2zsacthd	School head activities (factor)	-0.035	0.653	170	
	fxzsschac	T/most important math activity	0.206	<u>0.007</u>	170	
	xmeeusua	R:/ math teacher frequency giving written math test	0.414	<u>0.000</u>	170	
	tractmos	T/most important read activity			170	
	trgoalmo	T/most important reading goal	0.047	0.541	170	
	ztreng	R:/ reading teacher reporting comments on English	-0.008	0.922	170	
	zttestre	R:/ reading teacher frequency giving written reading test	0.048	0.531	170	
	sexpall	School head years of experience - altogether	-0.019	0.809	170	
	sexptch	School head years of teaching	0.052	0.500	170	
	sexpthis	School head experience in this school	0.024	0.755	170	
	slost	S/lost days	0.001	0.993	170	
	KEN	ratotp	SCR:/ pupil read-all total raw score	1.000		185
		pabsent	P/days absent	-0.328	<u>0.000</u>	185
zpabwhy2		R:/ reason absent-ill	0.085	0.255	182	
zpabwhy3		R:/ reason absent-family	0.046	0.540	182	
zpabwhy4		R:/ reason absent-work	-0.312	<u>0.000</u>	182	
zpabwhy6		R:/ reason absent-fee not paid	-0.021	0.775	182	
zpenglis		R:/ speaking English at home	0.252	<u>0.001</u>	185	
xexper		T/years of teaching	0.043	0.575	175	
xoutwork		T/hours outside	-0.100	0.188	175	
zxmeet		R:/ read teacher frequency meeting parents	0.076	0.319	175	
fx1trappr		Teacher read approach (factor)	0.059	0.438	175	
fx1tract		Reading teacher activities (factor)	0.074	0.332	175	
fx2tract		Reading teacher activities (factor)	-0.068	0.369	175	
fx1zsacthd		School head activities (factor)	0.112	0.130	184	
fx2zsacthd		School head activities (factor)	0.123	0.098	184	
fxzsschac		T/most important math activity	0.062	0.402	184	
xmeeusua		R:/ math teacher frequency giving written math test	0.287	<u>0.000</u>	175	
tractmos		T/most important read activity	0.128	0.090	175	
trgoalmo		T/most important reading goal	-0.017	0.826	175	
ztreng		R:/ reading teacher reporting comments on English	-0.042	0.582	175	
zttestre		R:/ reading teacher frequency giving written reading test	0.026	0.731	175	
sexpall		School head years of experience - altogether	-0.064	0.387	184	
sexptch		School head years of teaching	0.104	0.160	184	
sexpthis		School head experience in this school	0.107	0.148	184	
slost		S/lost days	-0.105	0.154	184	
LES		ratotp	SCR:/ pupil read-all total raw score	1.000		177
		pabsent	P/days absent	-0.104	0.166	177
	zpabwhy2	R:/ reason absent-ill	-0.044	0.568	169	
	zpabwhy3	R:/ reason absent-family	-0.106	0.169	169	
	zpabwhy4	R:/ reason absent-work	-0.083	0.285	169	



	zpabwhy6	R:/ reason absent-fee not paid	0.040	0.609	169
	zpenglis	R:/ speaking English at home	0.315	<u>0.000</u>	177
	xexper	T/years of teaching	0.057	0.455	177
	xoutwork	T/hours outside	-0.027	0.724	177
	zxmeet	R:/ read teacher frequency meeting parents	-0.072	0.338	177
	fx1trappr	Teacher math approach (factor)	-0.078	0.303	177
	fx2tract	Reading teacher activities (factor)	0.105	0.165	177
	fx1tract	Reading teacher activities (factor)	0.009	0.901	177
	fx1zsacthd	School head activities (factor)	-0.048	0.529	177
	fx2zsacthd	School head activities (factor)	0.138	0.068	177
	fxzsschac	T/most important math activity	0.045	0.553	177
	xmeeusua	R:/ math teacher frequency giving written math test	-0.078	0.300	177
	tractmos	T/most important read activity	-0.111	0.141	177
	trgoalmo	T/most important reading goal	-0.013	0.867	177
	ztrepeng	R:/ reading teacher reporting comments on English	-0.039	0.606	177
	zttestre	R:/ reading teacher frequency giving written reading test	0.008	0.915	177
	sexpall	School head years of experience - altogether	-0.106	0.161	177
	sexptch	School head years of teaching	-0.014	0.855	177
	sexpthis	School head experience in this school	-0.138	0.067	177
	slost	S/lost days	-0.007	0.922	177
MAL	ratotp	SCR:/ pupil read-all total raw score	1.000		140
	pabsent	P/days absent	-0.109	0.200	140
	zpabwhy2	R:/ reason absent-ill	0.044	0.604	140
	zpabwhy3	R:/ reason absent-family	-0.052	0.538	140
	zpabwhy4	R:/ reason absent-work	-0.146	0.086	140
	zpabwhy6	R:/ reason absent-fee not paid	-0.128	0.132	140
	zpenglis	R:/ speaking English at home	0.392	<u>0.000</u>	140
	xexper	T/years of teaching	-0.065	0.448	139
	xoutwork	T/hours outside	-0.012	0.884	139
	zxmeet	R:/ read teacher frequency meeting parents	-0.168	<u>0.048</u>	139
	fx1trappr	Teacher read approach (factor)	-0.112	0.187	139
	fx2trappr	Teacher math approach (factor)	0.042	0.624	139
	fx1tract	Reading teacher activities (factor)	0.127	0.135	139
	fx1zsacthd	School head activities (factor)	-0.069	0.419	140
	fx2zsacthd	School head activities (factor)	0.015	0.862	140
	fxzsschac	T/most important math activity	0.038	0.658	140
	xmeeusua	R:/ math teacher frequency giving written math test	-0.003	0.974	139
	tractmos	T/most important read activity	-0.027	0.750	139
	trgoalmo	T/most important reading goal	-0.028	0.744	139
	ztrepeng	R:/ reading teacher reporting comments on English	0.050	0.561	139
	zttestre	R:/ reading teacher frequency giving written reading test	0.150	0.077	139
	sexpall	School head years of experience - altogether	-0.029	0.732	140
	sexptch	School head years of teaching	0.016	0.854	140
	sexpthis	School head experience in this school	-0.058	0.494	140
	slost	S/lost days	-0.067	0.435	140
MAU	ratotp	SCR:/ pupil read-all total raw score	1.000		153
	pabsent	P/days absent	-0.253	<u>0.002</u>	153
	zpabwhy2	R:/ reason absent-ill	-0.074	0.364	152
	zpabwhy3	R:/ reason absent-family	-0.138	0.089	152
	zpabwhy4	R:/ reason absent-work	0.068	0.407	152
	zpabwhy6	R:/ reason absent-fee not paid	(a)	.	152
	zpenglis	R:/ speaking English at home	0.378	<u>0.000</u>	153
	xexper	T/years of teaching	0.149	0.066	153
	xoutwork	T/hours outside	0.185	<u>0.022</u>	153
	zxmeet	R:/ read teacher frequency meeting parents	0.144	0.076	153
	fx1trappr	Teacher read approach (factor)	0.127	0.117	153
	fx1tract	Reading teacher activities (factor)	0.213	<u>0.008</u>	153
	fx1zsacthd	School head activities (factor)	-0.137	0.092	153



	fx2zsacthd	School head activities (factor)	0.009	0.908	153
	fxzsschac	T/most important math activity	0.049	0.551	153
	xmeeusua	R:/ math teacher frequency giving written math test	0.399	<u>0.000</u>	153
	tractmos	T/most important read activity	-0.089	0.274	153
	trgoalmo	T/most important reading goal	-0.018	0.823	153
	ztreng	R:/ reading teacher reporting comments on English	-0.047	0.567	153
	zttestre	R:/ reading teacher frequency giving written reading test	0.169	<u>0.037</u>	153
	sexpall	School head years of experience - altogether	0.196	<u>0.015</u>	153
	sexptch	School head years of teaching	0.085	0.299	153
	sexpthis	School head experience in this school	0.119	0.144	153
	slost	S/lost days	0.005	0.953	153
MOZ	ratotp	SCR:/ pupil read-all total raw score	1.000		176
	pabsent	P/days absent	-0.076	0.317	176
	zpabwhy2	R:/ reason absent-ill	-0.143	0.058	175
	zpabwhy3	R:/ reason absent-family	0.034	0.652	175
	zpabwhy4	R:/ reason absent-work	-0.326	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	-0.127	0.094	175
	zpenglis	R:/ speaking English at home	0.428	<u>0.000</u>	176
	xexper	T/years of teaching	0.085	0.268	173
	xoutwork	T/hours outside	-0.031	0.690	173
	zxmeet	R:/ read teacher frequency meeting parents	0.021	0.780	173
	fx1trappr	Teacher read approach (factor)	-0.002	0.978	173
	fx2trappr	Teacher math approach (factor)	-0.156	<u>0.041</u>	173
	fx1tract	Reading teacher activities (factor)	0.001	0.987	173
	fx1zsacthd	School head activities (factor)	0.184	<u>0.017</u>	168
	fx2zsacthd	School head activities (factor)	0.075	0.335	168
	fxzsschac	T/most important math activity	-0.056	0.468	168
	xmeeusua	R:/ math teacher frequency giving written math test	0.082	0.283	173
	tractmos	T/most important read activity	0.047	0.540	173
	trgoalmo	T/most important reading goal	0.066	0.385	173
	ztreng	R:/ reading teacher reporting comments on English	-0.153	<u>0.045</u>	173
	zttestre	R:/ reading teacher frequency giving written reading test	-0.075	0.326	173
	sexpall	School head years of experience - altogether	0.006	0.942	168
	sexptch	School head years of teaching	0.154	<u>0.046</u>	168
	sexpthis	School head experience in this school	0.076	0.325	168
	slost	S/lost days	0.019	0.808	168
NAM	ratotp	SCR:/ pupil read-all total raw score	1.000		270
	pabsent	P/days absent	-0.381	<u>0.000</u>	270
	zpabwhy2	R:/ reason absent-ill	0.256	<u>0.000</u>	262
	zpabwhy3	R:/ reason absent-family	-0.199	<u>0.001</u>	262
	zpabwhy4	R:/ reason absent-work	-0.347	<u>0.000</u>	262
	zpabwhy6	R:/ reason absent-fee not paid	-0.174	<u>0.005</u>	262
	zpenglis	R:/ speaking English at home	0.225	<u>0.000</u>	270
	xexper	T/years of teaching	0.257	<u>0.000</u>	269
	xoutwork	T/hours outside	-0.029	0.634	269
	zxmeet	R:/ read teacher frequency meeting parents	0.061	0.321	269
	fx1trappr	Teacher read approach (factor)	0.208	<u>0.001</u>	269
	fx2tract	Reading teacher activities (factor)	0.181	<u>0.003</u>	269
	fx1tract	Reading teacher activities (factor)	0.192	<u>0.002</u>	269
	fx1zsacthd	School head activities (factor)	0.009	0.884	270
	fx2zsacthd	School head activities (factor)	-0.033	0.587	270
	fxzsschac	T/most important math activity	0.164	<u>0.007</u>	270
	xmeeusua	R:/ math teacher frequency giving written math test	0.208	<u>0.001</u>	269
	tractmos	T/most important read activity	0.010	0.868	269
	trgoalmo	T/most important reading goal	0.050	0.415	269
	ztreng	R:/ reading teacher reporting comments on English	-0.096	0.116	269
	zttestre	R:/ reading teacher frequency giving written reading test	-0.009	0.887	269
	sexpall	School head years of experience - altogether	-0.187	<u>0.002</u>	270



	sexptch	School head years of teaching	0.103	0.092	270
	sexpthis	School head experience in this school	-0.245	<u>0.000</u>	270
	slost	S/lost days	-0.044	0.471	270
SEY	ratotp	SCR:/ pupil read-all total raw score	1.000		24
	pabsent	P/days absent	0.635	<u>0.001</u>	24
	zpabwhy2	R:/ reason absent-ill	-0.148	0.491	24
	zpabwhy3	R:/ reason absent-family	-0.291	0.167	24
	zpabwhy4	R:/ reason absent-work	-0.278	0.188	24
	zpabwhy6	R:/ reason absent-fee not paid	-0.257	0.226	24
	zpenglis	R:/ speaking English at home	0.589	<u>0.002</u>	24
	xexper	T/years of teaching	0.204	<u>0.338</u>	24
	xoutwork	T/hours outside	0.341	0.103	24
	zxmeet	R:/ read teacher frequency meeting parents	-0.003	0.988	24
	fx1trappr	Teacher read approach (factor)	-0.093	0.664	24
	fx2trappr	Teacher math approach (factor)	-0.288	0.172	24
	fx2tract	Reading teacher activities (factor)	-0.321	0.126	24
	fx1tract	Reading teacher activities (factor)	0.202	0.344	24
	fx1zsacthd	School head activities (factor)	-0.243	0.252	24
	fx2zsacthd	School head activities (factor)	-0.193	0.365	24
	fxzsschac	T/most important math activity	0.101	0.638	24
	xmeeusua	R:/ math teacher frequency giving written math test	0.308	0.143	24
	tractmos	T/most important read activity	0.218	0.307	24
	trgoalmo	T/most important reading goal	-0.380	0.067	24
	ztrepeng	R:/ reading teacher reporting comments on English	-0.022	0.917	24
	zttestre	R:/ reading teacher frequency giving written reading test	-0.154	0.471	24
	sexpall	School head years of experience - altogether	0.100	0.643	24
	sexptch	School head years of teaching	0.374	0.072	24
	sexpthis	School head experience in this school	0.291	0.168	24
	slost	S/lost days	-0.023	0.917	24
SOU	ratotp	SCR:/ pupil read-all total raw score	1.000		169
	pabsent	P/days absent	-0.169	<u>0.028</u>	169
	zpabwhy2	R:/ reason absent-ill	0.173	<u>0.026</u>	165
	zpabwhy3	R:/ reason absent-family	0.056	0.475	165
	zpabwhy4	R:/ reason absent-work	-0.353	<u>0.000</u>	165
	zpabwhy6	R:/ reason absent-fee not paid	-0.277	<u>0.000</u>	165
	zpenglis	R:/ speaking English at home	0.552	<u>0.000</u>	169
	xexper	T/years of teaching	0.028	0.717	164
	xoutwork	T/hours outside	0.032	0.687	164
	zxmeet	R:/ read teacher frequency meeting parents	0.313	<u>0.000</u>	164
	fx1trappr	Teacher read approach (factor)	0.108	0.170	164
	fx2tract	Reading teacher activities (factor)	0.135	0.086	164
	fx1tract	Reading teacher activities (factor)	0.143	0.067	164
	fx1zsacthd	School head activities (factor)	0.010	0.894	167
	fx2zsacthd	School head activities (factor)	0.134	0.085	167
	fxzsschac	T/most important math activity	0.332	<u>0.000</u>	167
	xmeeusua	R:/ math teacher frequency giving written math test	0.317	<u>0.000</u>	164
	tractmos	T/most important read activity	-0.044	0.576	164
	trgoalmo	T/most important reading goal	0.023	0.772	164
	ztrepeng	R:/ reading teacher reporting comments on English	-0.062	0.429	164
	zttestre	R:/ reading teacher frequency giving written reading test	-0.186	<u>0.017</u>	164
	sexpall	School head years of experience - altogether	-0.194	<u>0.012</u>	167
	sexptch	School head years of teaching	0.027	0.729	167
	sexpthis	School head experience in this school	-0.206	<u>0.008</u>	167
	slost	S/lost days	-0.202	<u>0.009</u>	167
SWA	ratotp	SCR:/ pupil read-all total raw score	1.000		168
	pabsent	P/days absent	-0.117	0.130	168
	zpabwhy2	R:/ reason absent-ill	-0.070	0.374	164
	zpabwhy3	R:/ reason absent-family	-0.050	0.523	164



	zpabwhy4	R:/ reason absent-work	-0.172	<u>0.028</u>	164
	zpabwhy6	R:/ reason absent-fee not paid	-0.043	0.588	164
	zpenglis	R:/ speaking English at home	0.373	<u>0.000</u>	168
	xexper	T/years of teaching	0.133	0.089	164
	xoutwork	T/hours outside	-0.017	0.831	164
	zxmeet	R:/ read teacher frequency meeting parents	0.117	0.134	164
	fx1trappr	Teacher read approach (factor)	0.050	0.526	164
	fx1tract	Reading teacher activities (factor)	0.120	0.126	164
	fx1zsacthd	School head activities (factor)	-0.057	0.464	168
	fx2zsacthd	School head activities (factor)	0.206	<u>0.008</u>	168
	fxzsschac	T/most important math activity	0.244	<u>0.001</u>	168
	xmееusua	R:/ math teacher frequency giving written math test	0.304	<u>0.000</u>	164
	tractmos	T/most important read activity	0.130	0.098	164
	trgoalmo	T/most important reading goal	0.045	0.567	164
	ztrepeng	R:/ reading teacher reporting comments on English	0.116	0.139	164
	zttestre	R:/ reading teacher frequency giving written reading test	0.028	0.718	164
	sexpall	School head years of experience - altogether	0.023	0.767	168
	sexptch	School head years of teaching	0.232	<u>0.003</u>	168
	sexpthis	School head experience in this school	-0.069	0.377	168
	slost	S/lost days	-0.029	0.713	168
TAN	ratotp	SCR:/ pupil read-all total raw score	1.000		181
	pabsent	P/days absent	-0.241	<u>0.001</u>	181
	zpabwhy2	R:/ reason absent-ill	0.137	0.070	175
	zpabwhy3	R:/ reason absent-family	-0.049	0.524	175
	zpabwhy4	R:/ reason absent-work	-0.328	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	0.108	0.154	175
	zpenglis	R:/ speaking English at home	0.441	<u>0.000</u>	181
	xexper	T/years of teaching	0.000	0.997	179
	xoutwork	T/hours outside	0.073	0.330	179
	zxmeet	R:/ read teacher frequency meeting parents	-0.099	0.185	179
	fx1trappr	Teacher read approach (factor)	0.190	<u>0.011</u>	179
	fx2tract	Reading teacher activities (factor)	0.103	0.171	179
	fx1tract	Reading teacher activities (factor)	0.086	0.252	179
	fx1zsacthd	School head activities (factor)	0.117	0.118	181
	fx2zsacthd	School head activities (factor)	0.105	0.159	181
	fxzsschac	T/most important math activity	-0.052	0.486	181
	xmееusua	R:/ math teacher frequency giving written math test	0.010	0.896	179
	tractmos	T/most important read activity	-0.265	<u>0.000</u>	179
	trgoalmo	T/most important reading goal	0.117	0.119	179
	ztrepeng	R:/ reading teacher reporting comments on English	0.012	0.878	179
	zttestre	R:/ reading teacher frequency giving written reading test	0.006	0.942	179
	sexpall	School head years of experience - altogether	0.143	0.055	181
	sexptch	School head years of teaching	0.081	0.276	181
	sexpthis	School head experience in this school	0.037	0.616	181
	slost	S/lost days	-0.022	0.767	181
UGA	ratotp	SCR:/ pupil read-all total raw score	1.000		163
	pabsent	P/days absent	-0.226	<u>0.004</u>	163
	zpabwhy2	R:/ reason absent-ill	0.057	0.473	161
	zpabwhy3	R:/ reason absent-family	-0.069	0.386	161
	zpabwhy4	R:/ reason absent-work	-0.131	0.099	161
	zpabwhy6	R:/ reason absent-fee not paid	0.192	<u>0.015</u>	161
	zpenglis	R:/ speaking English at home	0.274	<u>0.000</u>	163
	xexper	T/years of teaching	0.000	0.998	159
	xoutwork	T/hours outside	0.107	0.180	159
	zxmeet	R:/ read teacher frequency meeting parents	0.056	0.480	159
	fx1trappr	Teacher math approach (factor)	-0.048	0.546	159
	fx3tract	Reading teacher activities (factor)	0.074	0.355	159
	fx2tract	Reading teacher activities (factor)	0.103	0.194	159





	fx1zsacthd	School head activities (factor)	0.036	0.648	163
	fx2zsacthd	School head activities (factor)	-0.027	0.732	163
	fxzsschac	T/most important math activity	0.197	<u>0.012</u>	163
	xmeeusua	R:/ math teacher frequency giving written math test	0.155	0.051	159
	tractmos	T/most important read activity	0.014	0.865	159
	trgoalmo	T/most important reading goal	-0.133	0.094	159
	ztrepeng	R:/ reading teacher reporting comments on English	0.038	0.633	159
	zttestre	R:/ reading teacher frequency giving written reading test	0.111	0.164	159
	sexpall	School head years of experience - altogether	-0.067	0.394	163
	sexptch	School head years of teaching	0.069	0.382	163
	sexpthis	School head experience in this school	0.017	0.826	163
	slost	S/lost days	-0.063	0.426	163
ZAM	ratotp	SCR:/ pupil read-all total raw score	1.000		173
	pabsent	P/days absent	-0.298	<u>0.000</u>	173
	zpabwhy2	R:/ reason absent-ill	0.008	0.913	172
	zpabwhy3	R:/ reason absent-family	-0.144	0.059	172
	zpabwhy4	R:/ reason absent-work	-0.005	0.953	172
	zpabwhy6	R:/ reason absent-fee not paid	0.143	0.062	172
	zpenglis	R:/ speaking English at home	0.518	<u>0.000</u>	173
	xexper	T/years of teaching	-0.124	0.107	169
	xoutwork	T/hours outside	-0.115	0.138	169
	zxmeet	R:/ read teacher frequency meeting parents	-0.001	0.994	169
	fx1trappr	Reading teacher approach (factor)	0.135	0.079	169
	fx1tract	Reading teacher activities (factor)	0.140	0.069	169
	fx2tract	Reading teacher activities (factor)	0.132	0.086	169
	fx3tract	Reading teacher activities (factor)	0.204	<u>0.008</u>	169
	fx1zsacthd	School head activities (factor)	0.170	<u>0.027</u>	169
	fx2zsacthd	School head activities (factor)	-0.009	0.908	169
	fxzsschac	T/most important math activity	0.196	<u>0.010</u>	169
	xmeeusua	R:/ math teacher frequency giving written math test	0.236	<u>0.002</u>	169
	tractmos	T/most important read activity	-0.093	0.231	169
	trgoalmo	T/most important reading goal	-0.010	0.898	169
	ztrepeng	R:/ reading teacher reporting comments on English	0.248	<u>0.001</u>	169
	zttestre	R:/ reading teacher frequency giving written reading test	0.107	0.167	169
	sexpall	School head years of experience - altogether	-0.078	0.314	169
	sexptch	School head years of teaching	0.088	0.253	169
	sexpthis	School head experience in this school	-0.055	0.479	169
	slost	S/lost days	-0.025	0.746	169
ZAN	ratotp	SCR:/ pupil read-all total raw score	1.000		145
	pabsent	P/days absent	-0.095	0.256	145
	zpabwhy2	R:/ reason absent-ill	0.117	0.164	142
	zpabwhy3	R:/ reason absent-family	-0.005	0.952	142
	zpabwhy4	R:/ reason absent-work	-0.085	0.317	142
	zpabwhy6	R:/ reason absent-fee not paid	0.117	0.165	142
	zpenglis	R:/ speaking English at home	0.246	<u>0.003</u>	145
	xexper	T/years of teaching	0.119	0.160	140
	xoutwork	T/hours outside	0.002	0.982	140
	zxmeet	R:/ read teacher frequency meeting parents	0.078	0.362	140
	fx1trappr	Teacher read approach (factor)	0.068	0.422	140
	fx2trappr	Teacher math approach (factor)	-0.144	0.089	140
	fx3tract	Reading teacher activities (factor)	0.092	0.281	140
	fx1tract	Reading teacher activities (factor)	0.087	0.305	140
	fx1zsacthd	School head activities (factor)	0.214	<u>0.010</u>	145
	fx2zsacthd	School head activities (factor)	-0.062	0.457	145
	fxzsschac	T/most important math activity	0.214	<u>0.010</u>	145
	xmeeusua	R:/ math teacher frequency giving written math test	0.128	0.132	140
	tractmos	T/most important read activity	-0.019	0.820	140
	trgoalmo	T/most important reading goal	-0.135	0.111	140



	ztreng	R:/ reading teacher reporting comments on English	-0.143	0.092	140
	zttestre	R:/ reading teacher frequency giving written reading test	0.051	0.550	140
	sexpall	School head years of experience - altogether	0.180	<u>0.031</u>	145
	sexptch	School head years of teaching	0.179	<u>0.031</u>	145
	sexpthis	School head experience in this school	0.091	0.277	145
	slost	S/lost days	-0.221	<u>0.007</u>	145

- \*\* Correlation is significant at the 0.01 level (2-tailed).  
\* Correlation is significant at the 0.05 level (2-tailed).  
a Cannot be computed because at least one of the variables is constant.

**APPENDIX 62**  
**SACMEQ BEHAVIOURAL DOMAIN - MATHEMATICS**

Countries	Variables	Description	Pearson Corr	Sig	N
BOT	matotp	SCR:/ pupil math-all total raw score	1.000		170
	pabsent	P/days absent	-0.088	0.254	170
	zpabwhy2	R:/ reason absent-ill	-0.146	0.071	153
	zpabwhy3	R:/ reason absent-family	0.106	0.194	153
	zpabwhy4	R:/ reason absent-work	-0.061	0.455	153
	zpabwhy6	R:/ reason absent-fee not paid	-0.005	0.949	153
	zpenglis	R:/ speaking English at home	0.441	<u>0.000</u>	170
	yexper	T/years of teaching	0.190	<u>0.013</u>	170
	youtwork	T/hours outside	-0.170	<u>0.027</u>	170
	zymeet	R:/ math teacher frequency meeting parents	0.075	0.329	170
	fy1mappr	Teacher math approach (factor)	0.104	0.177	170
	fy2tmact	Math teacher activities (factor)	-0.122	0.113	170
	fy1zsacthd	Math teacher activities (factor)	0.055	0.475	170
	fy2zsacthd	School head activities (factor)	-0.037	0.631	170
	fyzsschac	School activities (factor)	0.226	<u>0.003</u>	170
	ztrepmat	R:/ math teacher reporting comments on math	-0.005	0.953	170
	tmactmos	T/most important math activity	0.026	0.737	170
	tmgoalmo	T/most important math goal	0.049	0.522	170
	ztttestma	R:/ math teacher frequency giving written math test	0.081	0.295	170
	KEN	sexpall	School head years of experience - altogether	0.005	0.944
sexptch		School head years of teaching	0.007	0.932	170
sexpthis		School head experience in this school	0.077	0.318	170
slost		S/lost days	-0.054	0.484	170
matotp		SCR:/ pupil math-all total raw score	1.000		185
pabsent		P/days absent	-0.278	<u>0.000</u>	185
zpabwhy2		R:/ reason absent-ill	0.032	0.664	182
zpabwhy3		R:/ reason absent-family	0.013	0.863	182
zpabwhy4		R:/ reason absent-work	-0.284	<u>0.000</u>	182
zpabwhy6		R:/ reason absent-fee not paid	0.037	0.617	182
zpenglis		R:/ speaking English at home	0.174	<u>0.018</u>	185
yexper		T/years of teaching	0.062	0.407	180
youtwork		T/hours outside	-0.048	0.527	180
zymeet		R:/ math teacher frequency meeting parents	-0.039	0.603	180
fy1mappr		Teacher math approach (factor)	0.110	0.143	180
fy2tmact		Math teacher activities (factor)	0.127	0.089	180
fy1tmact		Math teacher activities (factor)	0.100	0.180	180
fy2zsacthd		School head activities (factor)	0.151	<u>0.041</u>	184
fyzsschac		School activities (factor)	0.102	0.167	184
ztrepmat		R:/ math teacher reporting comments on math	0.015	0.841	180
tmactmos	T/most important math activity	0.023	0.763	180	
tmgoalmo	T/most important math goal	0.051	0.500	180	
ztttestma	R:/ math teacher frequency giving written math test	0.041	0.585	180	
sexpall	School head years of experience - altogether	-0.044	0.551	184	
sexptch	School head years of teaching	0.062	0.404	184	
sexpthis	School head experience in this school	0.152	<u>0.039</u>	184	



	slost	S/lost days	-0.076	0.303	184
LES	matotp	SCR:/ pupil math-all total raw score	1.000		177
	pabsent	P/days absent	-0.173	<u>0.022</u>	177
	zpabwhy2	R:/ reason absent-ill	-0.080	0.298	169
	zpabwhy3	R:/ reason absent-family	-0.079	0.308	169
	zpabwhy4	R:/ reason absent-work	-0.048	0.536	169
	zpabwhy6	R:/ reason absent-fee not paid	0.007	0.927	169
	zpenglis	R:/ speaking English at home	0.246	<u>0.001</u>	177
	yexper	T/years of teaching	0.061	0.419	177
	youtwork	T/hours outside	-0.102	0.175	177
	zymeet	R:/ math teacher frequency meeting parents	-0.072	0.343	177
	fy1mappr	Teacher math approach (factor)	0.101	0.180	177
	fy1zsacthd	Math teacher activities (factor)	-0.143	0.058	177
	fy2zsacthd	School head activities (factor)	-0.010	0.891	177
	fyzsschac	School activities (factor)	-0.035	0.644	177
	ztrepmat	R:/ math teacher reporting comments on math	-0.029	0.704	177
	tmactmos	T/most important math activity	0.009	0.908	177
	tmgoalmo	T/most important math goal	0.078	0.301	177
	zttestma	R:/ math teacher frequency giving written math test	0.064	0.397	177
	sexpall	School head years of experience - altogether	-0.104	0.170	177
	sexptch	School head years of teaching	0.002	0.980	177
	sexpthis	School head experience in this school	-0.136	0.072	177
	slost	S/lost days	-0.079	0.298	177
MAL	matotp	SCR:/ pupil math-all total raw score	1.000		140
	pabsent	P/days absent	-0.102	0.233	140
	zpabwhy2	R:/ reason absent-ill	-0.026	0.764	140
	zpabwhy3	R:/ reason absent-family	0.054	0.527	140
	zpabwhy4	R:/ reason absent-work	-0.115	0.177	140
	zpabwhy6	R:/ reason absent-fee not paid	-0.081	0.342	140
	zpenglis	R:/ speaking English at home	0.363	<u>0.000</u>	140
	yexper	T/years of teaching	0.040	0.640	136
	youtwork	T/hours outside	-0.018	0.832	136
	zymeet	R:/ math teacher frequency meeting parents	-0.037	0.666	136
	fy1mappr	Teacher math approach (factor)	-0.126	0.142	136
	fy1tmact	Math teacher activities (factor)	-0.106	0.220	136
	fy1zsacthd	School head activities (factor)	-0.118	0.166	140
	fyzsschac	School activities (factor)	0.065	0.442	140
	ztrepmat	R:/ math teacher reporting comments on math	0.054	0.534	136
	tmactmos	T/most important math activity	0.108	0.210	136
	tmgoalmo	T/most important math goal	-0.005	0.955	136
	zttestma	R:/ math teacher frequency giving written math test	0.076	0.381	136
	sexpall	School head years of experience - altogether	-0.004	0.962	140
	sexptch	School head years of teaching	0.046	0.591	140
	sexpthis	School head experience in this school	0.005	0.954	140
	slost	S/lost days	-0.015	0.859	140
MAU	matotp	SCR:/ pupil math-all total raw score	1.000		153
	pabsent	P/days absent	-0.214	<u>0.008</u>	153
	zpabwhy2	R:/ reason absent-ill	-0.037	0.651	152
	zpabwhy3	R:/ reason absent-family	-0.136	0.096	152
	zpabwhy4	R:/ reason absent-work	0.082	0.317	152
	zpabwhy6	R:/ reason absent-fee not paid	(a)	.	152
	zpenglis	R:/ speaking English at home	0.377	<u>0.000</u>	153
	yexper	T/years of teaching	0.172	<u>0.033</u>	153
	youtwork	T/hours outside	0.198	<u>0.014</u>	153
	zymeet	R:/ math teacher frequency meeting parents	0.149	0.066	153
	fy1tmact	Math teacher activities (factor)	-0.080	0.328	153
	fy1zsacthd	Math teacher activities (factor)	-0.117	0.151	153
	fy1zsacthd	School head activities (factor)	-0.019	0.818	153



	fyzsschac	School activities (factor)	0.034	0.674	153
	ztrepmat	R:/ math teacher reporting comments on math	0.022	0.786	153
	tmactmos	T/most important math activity	-0.154	0.057	153
	tmgoalmo	T/most important math goal	0.002	0.977	153
	zttestma	R:/ math teacher frequency giving written math test	0.069	0.395	153
	sexpall	School head years of experience - altogether	0.205	<u>0.011</u>	153
	sexptch	School head years of teaching	0.111	0.172	153
	sexpthis	School head experience in this school	0.102	0.208	153
	slost	S/lost days	0.013	0.873	153
MOZ	matotp	SCR:/ pupil math-all total raw score	1.000		176
	pabsent	P/days absent	-0.035	0.642	176
	zpabwhy2	R:/ reason absent-ill	-0.130	0.087	175
	zpabwhy3	R:/ reason absent-family	0.103	0.174	175
	zpabwhy4	R:/ reason absent-work	-0.292	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	-0.069	0.362	175
	zpenglis	R:/ speaking English at home	0.419	<u>0.000</u>	176
	yexper	T/years of teaching	0.078	0.308	171
	youtwork	T/hours outside	-0.126	0.100	171
	zymeet	R:/ math teacher frequency meeting parents	0.197	<u>0.010</u>	171
	fy2mappr	Teacher math approach (factor)	-0.158	<u>0.039</u>	171
	fy2tmact	Math teacher activities (factor)	-0.092	0.232	171
	fy1zsacthd	Math teacher activities (factor)	0.181	<u>0.019</u>	168
	fy1zsacthd	School head activities (factor)	0.104	0.179	168
	fyzsschac	School activities (factor)	-0.142	0.067	168
	ztrepmat	R:/ math teacher reporting comments on math	-0.048	0.536	171
	tmactmos	T/most important math activity	-0.090	0.241	171
	tmgoalmo	T/most important math goal	0.055	0.473	171
	zttestma	R:/ math teacher frequency giving written math test	-0.160	<u>0.037</u>	171
	sexpall	School head years of experience - altogether	0.009	0.905	168
	sexptch	School head years of teaching	0.153	<u>0.048</u>	168
	sexpthis	School head experience in this school	0.058	0.456	168
	slost	S/lost days	0.000	0.995	168
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		270
	pabsent	P/days absent	-0.339	<u>0.000</u>	270
	zpabwhy2	R:/ reason absent-ill	0.231	<u>0.000</u>	262
	zpabwhy3	R:/ reason absent-family	-0.201	<u>0.001</u>	262
	zpabwhy4	R:/ reason absent-work	-0.314	<u>0.000</u>	262
	zpabwhy6	R:/ reason absent-fee not paid	-0.148	<u>0.017</u>	262
	zpenglis	R:/ speaking English at home	0.176	<u>0.004</u>	270
	yexper	T/years of teaching	0.189	<u>0.002</u>	270
	youtwork	T/hours outside	-0.086	0.157	270
	zymeet	R:/ math teacher frequency meeting parents	0.141	<u>0.020</u>	270
	fy1mappr	Teacher math approach (factor)	0.264	<u>0.000</u>	270
	fy2mappr	Teacher math approach (factor)	0.113	0.063	270
	fy2tmact	Math teacher activities (factor)	-0.118	0.052	270
	fy1tmact	Math teacher activities (factor)	-0.170	<u>0.005</u>	270
	fyzsschac	School activities (factor)	0.192	<u>0.002</u>	270
	ztrepmat	R:/ math teacher reporting comments on math	0.007	0.912	270
	tmactmos	T/most important math activity	0.093	0.126	270
	tmgoalmo	T/most important math goal	-0.007	0.909	270
	zttestma	R:/ math teacher frequency giving written math test	0.007	0.910	270
	sexpall	School head years of experience - altogether	-0.143	<u>0.018</u>	270
	sexptch	School head years of teaching	0.101	0.096	270
	sexpthis	School head experience in this school	-0.193	<u>0.001</u>	270
	slost	S/lost days	-0.034	0.576	270
SEY	matotp	SCR:/ pupil math-all total raw score	1.000		24
	pabsent	P/days absent	0.640	<u>0.001</u>	24
	zpabwhy2	R:/ reason absent-ill	0.005	0.982	24



	zpabwhy3	R:/ reason absent-family	-0.242	0.254	24
	zpabwhy4	R:/ reason absent-work	-0.246	0.247	24
	zpabwhy6	R:/ reason absent-fee not paid	-0.260	0.221	24
	zpenglis	R:/ speaking English at home	0.493	<u>0.014</u>	24
	yexper	T/years of teaching	0.413	<u>0.045</u>	24
	youtwork	T/hours outside	0.466	<u>0.022</u>	24
	zymeet	R:/ math teacher frequency meeting parents	0.188	0.380	24
	fy1mappr	Teacher math approach (factor)	-0.107	0.618	24
	fy2mappr	Teacher math approach (factor)	-0.416	<u>0.043</u>	24
	fy2tmact	Math teacher activities (factor)	-0.544	<u>0.006</u>	24
	fy1tmact	Math teacher activities (factor)	0.117	0.586	24
	fy1zsacthd	School head activities (factor)	-0.334	0.111	24
	fy2zsacthd	School head activities (factor)	-0.217	0.309	24
	fyzsschac	School activities (factor)	0.169	0.429	24
	ztrepmat	R:/ math teacher reporting comments on math	0.113	0.599	24
	tmactmos	T/most important math activity	-0.191	0.372	24
	tmgoalmo	T/most important math goal	-0.063	0.771	24
	ztestma	R:/ math teacher frequency giving written math test	0.091	0.671	24
	sexpall	School head years of experience - altogether	0.025	0.909	24
	sexptch	School head years of teaching	0.292	0.166	24
	sexpthis	School head experience in this school	0.186	0.383	24
	slost	S/lost days	-0.070	0.745	24
SOU	matotp	SCR:/ pupil math-all total raw score	1.000		169
	pabsent	P/days absent	-0.169	<u>0.028</u>	169
	zpabwhy2	R:/ reason absent-ill	0.123	0.116	165
	zpabwhy3	R:/ reason absent-family	0.033	0.677	165
	zpabwhy4	R:/ reason absent-work	-0.306	<u>0.000</u>	165
	zpabwhy6	R:/ reason absent-fee not paid	-0.263	<u>0.001</u>	165
	zpenglis	R:/ speaking English at home	0.471	<u>0.000</u>	169
	yexper	T/years of teaching	0.069	0.382	163
	youtwork	T/hours outside	-0.069	0.383	163
	zymeet	R:/ math teacher frequency meeting parents	0.191	<u>0.015</u>	163
	fy1mappr	Teacher math approach (factor)	0.110	0.162	163
	fy2mappr	Teacher math approach (factor)	0.222	<u>0.004</u>	163
	fy1tmact	Math teacher activities (factor)	-0.081	0.302	163
	fy1zsacthd	School head activities (factor)	0.004	0.961	167
	fy2zsacthd	School head activities (factor)	0.068	0.383	167
	fyzsschac	School activities (factor)	0.349	<u>0.000</u>	167
	ztrepmat	R:/ math teacher reporting comments on math	0.012	0.875	163
	tmactmos	T/most important math activity	0.116	0.141	163
	tmgoalmo	T/most important math goal	-0.067	0.397	163
	ztestma	R:/ math teacher frequency giving written math test	0.028	0.725	163
	sexpall	School head years of experience - altogether	-0.181	<u>0.019</u>	167
	sexptch	School head years of teaching	0.009	0.907	167
	sexpthis	School head experience in this school	-0.197	<u>0.011</u>	167
	slost	S/lost days	-0.219	<u>0.004</u>	167
SWA	matotp	SCR:/ pupil math-all total raw score	1.000		168
	pabsent	P/days absent	-0.171	<u>0.026</u>	168
	zpabwhy2	R:/ reason absent-ill	0.037	0.636	164
	zpabwhy3	R:/ reason absent-family	-0.133	0.089	164
	zpabwhy4	R:/ reason absent-work	-0.132	0.092	164
	zpabwhy6	R:/ reason absent-fee not paid	-0.043	0.582	164
	zpenglis	R:/ speaking English at home	0.204	<u>0.008</u>	168
	yexper	T/years of teaching	0.119	0.126	166
	youtwork	T/hours outside	-0.085	0.278	166
	zymeet	R:/ math teacher frequency meeting parents	0.177	<u>0.022</u>	166
	fy1mappr	Teacher math approach (factor)	0.083	0.288	166
	fy2tmact	Math teacher activities (factor)	-0.093	0.232	166



	fy1zsacthd	Math teacher activities (factor)	-0.097	0.211	168
	fy2zsacthd	School head activities (factor)	0.081	0.295	168
	fyzsschac	School activities (factor)	0.192	<u>0.012</u>	168
	ztrepmat	R:/ math teacher reporting comments on math	0.085	0.274	166
	tmactmos	T/most important math activity	0.036	0.643	166
	tmgoalmo	T/most important math goal	-0.026	0.737	166
	zttestma	R:/ math teacher frequency giving written math test	-0.058	0.462	166
	sexpall	School head years of experience - altogether	0.099	0.200	168
	sexptch	School head years of teaching	0.235	<u>0.002</u>	168
	sexpthis	School head experience in this school	0.107	0.169	168
	slost	S/lost days	0.004	0.954	168
TAN	matotp	SCR:/ pupil math-all total raw score	1.000		181
	pabsent	P/days absent	-0.245	<u>0.001</u>	181
	zpabwhy2	R:/ reason absent-ill	0.130	0.088	175
	zpabwhy3	R:/ reason absent-family	-0.023	0.766	175
	zpabwhy4	R:/ reason absent-work	-0.334	<u>0.000</u>	175
	zpabwhy6	R:/ reason absent-fee not paid	0.122	0.108	175
	zpenglis	R:/ speaking English at home	0.388	<u>0.000</u>	181
	yexper	T/years of teaching	0.124	0.099	178
	youtwork	T/hours outside	0.044	0.561	178
	zymeet	R:/ math teacher frequency meeting parents	0.035	0.641	178
	fy1mappr	Teacher math approach (factor)	0.122	0.106	178
	fy2mappr	Teacher math approach (factor)	-0.034	0.652	178
	fy2tmact	Math teacher activities (factor)	0.117	0.121	178
	fy1tmact	Math teacher activities (factor)	-0.103	0.170	178
	fy1zsacthd	Math teacher activities (factor)	0.081	0.279	181
	fy2zsacthd	School head activities (factor)	0.127	0.088	181
	fyzsschac	School activities (factor)	-0.100	0.180	181
	ztrepmat	R:/ math teacher reporting comments on math	0.066	0.378	178
	tmactmos	T/most important math activity	0.058	0.445	178
	tmgoalmo	T/most important math goal	0.015	0.846	178
	zttestma	R:/ math teacher frequency giving written math test	0.068	0.367	178
	sexpall	School head years of experience - altogether	0.146	<u>0.050</u>	181
	sexptch	School head years of teaching	0.105	0.161	181
	sexpthis	School head experience in this school	0.099	0.186	181
	slost	S/lost days	0.045	0.547	181
UGA	matotp	SCR:/ pupil math-all total raw score	1.000		163
	pabsent	P/days absent	-0.247	<u>0.001</u>	163
	zpabwhy2	R:/ reason absent-ill	0.055	0.492	161
	zpabwhy3	R:/ reason absent-family	-0.002	0.983	161
	zpabwhy4	R:/ reason absent-work	-0.122	0.124	161
	zpabwhy6	R:/ reason absent-fee not paid	0.103	0.195	161
	zpenglis	R:/ speaking English at home	0.162	<u>0.039</u>	163
	yexper	T/years of teaching	0.009	0.924	122
	youtwork	T/hours outside	-0.012	0.897	122
	zymeet	R:/ math teacher frequency meeting parents	0.069	0.450	122
	fy1mappr	Teacher math approach (factor)	-0.276	<u>0.008</u>	91
	fy2tmact	Math teacher activities (factor)	-0.279	<u>0.004</u>	106
	fy1tmact	Math teacher activities (factor)	-0.160	0.102	106
	fy1zsacthd	Math teacher activities (factor)	-0.015	0.849	163
	fy2zsacthd	School head activities (factor)	-0.034	0.669	163
	fyzsschac	School activities (factor)	0.132	0.093	163
	ztrepmat	R:/ math teacher reporting comments on math	0.070	0.440	122
	tmactmos	T/most important math activity	-0.017	0.863	103
	tmgoalmo	T/most important math goal	0.118	0.235	104
	zttestma	R:/ math teacher frequency giving written math test	-0.113	0.252	104
	sexpall	School head years of experience - altogether	-0.018	0.816	163
	sexptch	School head years of teaching	0.044	0.575	163



	sexpthis	School head experience in this school	-0.024	0.763	163
	slost	S/lost days	-0.037	0.640	163
ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		173
	pabsent	P/days absent	-0.313	<u>0.000</u>	173
	zpabwhy2	R:/ reason absent-ill	-0.025	0.741	172
	zpabwhy3	R:/ reason absent-family	-0.007	0.932	172
	zpabwhy4	R:/ reason absent-work	0.008	0.918	172
	zpabwhy6	R:/ reason absent-fee not paid	0.024	0.760	172
	zpenglis	R:/ speaking English at home	0.406	<u>0.000</u>	173
	yexper	T/years of teaching	-0.104	0.178	170
	youtwork	T/hours outside	-0.140	0.068	170
	zymeet	R:/ math teacher frequency meeting parents	-0.063	0.415	170
	fy1mappr	Teacher math approach (factor)	0.104	0.176	170
	fy2mappr	Teacher math approach (factor)	0.117	0.130	170
	fy1tmact	Math teacher activities (factor)	0.095	0.217	170
	fy1zsacthd	School head activities (factor)	0.171	<u>0.027</u>	169
	fy2zsacthd	School head activities (factor)	0.000	<u>0.996</u>	169
	fyzsschac	School activities (factor)	0.155	<u>0.045</u>	169
	ztrepmat	R:/ math teacher reporting comments on math	0.183	<u>0.017</u>	170
	tmactmos	T/most important math activity	0.044	0.566	170
	tmgoalmo	T/most important math goal	0.080	0.302	170
	zttestma	R:/ math teacher frequency giving written math test	0.121	0.117	170
	sexpall	School head years of experience - altogether	-0.067	0.383	169
	sexptch	School head years of teaching	0.038	0.622	169
	sexpthis	School head experience in this school	-0.060	0.439	169
	slost	S/lost days	-0.046	0.556	169
ZAN	matotp	SCR:/ pupil math-all total raw score	1.000		145
	pabsent	P/days absent	-0.074	0.378	145
	zpabwhy2	R:/ reason absent-ill	0.076	0.371	142
	zpabwhy3	R:/ reason absent-family	0.008	0.922	142
	zpabwhy4	R:/ reason absent-work	-0.073	0.386	142
	zpabwhy6	R:/ reason absent-fee not paid	0.046	0.585	142
	zpenglis	R:/ speaking English at home	0.157	0.060	145
	yexper	T/years of teaching	-0.056	0.515	138
	youtwork	T/hours outside	0.097	0.258	138
	zymeet	R:/ math teacher frequency meeting parents	-0.099	0.246	138
	fy1mappr	Teacher math approach (factor)	0.096	0.283	128
	fy2mappr	Teacher math approach (factor)	-0.067	0.451	128
	fy2tmact	Math teacher activities (factor)	-0.031	0.716	138
	fy1tmact	Math teacher activities (factor)	0.155	0.069	138
	fy1zsacthd	Math teacher activities (factor)	0.141	0.091	145
	fy2zsacthd	School head activities (factor)	0.087	0.299	145
	fyzsschac	School activities (factor)	0.237	<u>0.004</u>	145
	ztrepmat	R:/ math teacher reporting comments on math	-0.036	0.676	138
	tmactmos	T/most important math activity	0.021	0.805	138
	tmgoalmo	T/most important math goal	-0.102	0.232	138
	zttestma	R:/ math teacher frequency giving written math test	-0.027	0.756	138
	sexpall	School head years of experience - altogether	0.089	0.290	145
	sexptch	School head years of teaching	-0.008	0.922	145
	sexpthis	School head experience in this school	0.008	0.928	145
	slost	S/lost days	-0.115	0.167	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 63**  
**MOZAMBIQUE TEACHER TRAINING - READING**

Prov	Var	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ teacher reading-all total raw score	1.000		14
	zxqprof	D:/ reading teacher teacher training	-0.284	0.325	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.636	0.124	7
	stch1yr	S/teachers (1 Year)	-0.103	0.727	14
	stch2yr	S/teachers (2 Year)	-0.229	0.431	14
	stch3yr	S/teachers (3 Year)	-0.411	0.144	14
	stchmore	S/teachers (more)	0.006	0.983	14
	stchshor	S/teachers (short)	-0.373	0.189	14
	stchnott	S/teachers (no training)	-0.189	0.517	14
	zsqtt	R:/ school head teacher training	0.140	0.632	14
	sqssec	S/qualification-special training	-0.428	0.127	14
	sqssecwk	S/# weeks special Training	1.000		2
	GAZ	ratotp	SCR:/ teacher reading-all total raw score	1.000	
zxqprof		D:/ reading teacher teacher training	0.066	0.822	14
zxinserv		R:/ reading teacher inservice training effectiveness	0.334	0.783	3
stch1yr		S/teachers (1 Year)	0.104	0.712	15
stch2yr		S/teachers (2 Year)	-0.142	0.614	15
stch3yr		S/teachers (3 Year)	-0.007	0.981	15
stchmore		S/teachers (more)	-0.454	0.090	15
stchshor		S/teachers (short)	0.072	0.800	15
stchnott		S/teachers (no training)	0.016	0.954	15
zsqtt		R:/ school head teacher training	-0.081	0.774	15
sqssec		S/qualification-special training	0.411	0.144	14
sqssecwk		S/# weeks special Training	0.285	0.584	6
INH		ratotp	SCR:/ teacher reading-all total raw score	1.000	
	zxqprof	D:/ reading teacher teacher training	0.465	0.094	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.231	0.660	6
	stch1yr	S/teachers (1 Year)	0.449	0.124	13
	stch2yr	S/teachers (2 Year)	-0.074	0.810	13
	stch3yr	S/teachers (3 Year)	-0.409	0.165	13
	stchmore	S/teachers (more)	0.109	0.722	13
	stchshor	S/teachers (short)	-0.303	0.314	13
	stchnott	S/teachers (no training)	0.426	0.147	13
	zsqtt	R:/ school head teacher training	-0.388	0.191	13
	sqssec	S/qualification-special training	-0.442	0.130	13
	sqssecwk	S/# weeks special Training	-0.031	0.969	4
	MAC	ratotp	SCR:/ Pupils' reading-all total raw score	1.000	
zxqprof		D:/ reading teacher teacher training	0.146	0.539	20
zxinserv		R:/ reading teacher inservice training effectiveness	0.739	0.023	9
stch1yr		S/teachers (1 Year)	-0.114	0.652	18
stch2yr		S/teachers (2 Year)	0.055	0.830	18
stch3yr		S/teachers (3 Year)	-0.033	0.897	18
stchmore		S/teachers (more)	0.215	0.390	18
stchshor		S/teachers (short)	0.081	0.749	18





	stchnott	S/teachers (no training)	-0.355	0.149	18
	zsqtt	R:/ school head teacher training	0.203	0.419	18
	sqssec	S/qualification-special training	-0.284	0.253	18
	sqssecwk	S/# weeks special Training	-0.178	0.580	12
MAN	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.525	0.054	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.020	0.974	5
	stch1yr	S/teachers (1 Year)	-0.431	0.186	11
	stch2yr	S/teachers (2 Year)	0.474	0.141	11
	stch3yr	S/teachers (3 Year)	0.442	0.173	11
	stchmore	S/teachers (more)	0.029	0.932	11
	stchshor	S/teachers (short)	0.279	0.406	11
	stchnott	S/teachers (no training)	-0.297	0.376	11
	zsqtt	R:/ school head teacher training	0.427	0.190	11
	sqssec	S/qualification-special training	-0.392	0.233	11
	sqssecwk	S/# weeks special Training	-0.658	0.227	5
MAP	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.182	0.516	15
	zxinserv	R:/ reading teacher inservice training effectiveness	0.092	0.862	6
	stch1yr	S/teachers (1 Year)	0.131	0.642	15
	stch2yr	S/teachers (2 Year)	0.166	0.553	15
	stch3yr	S/teachers (3 Year)	0.223	0.425	15
	stchmore	S/teachers (more)	0.343	0.210	15
	stchshor	S/teachers (short)	0.114	0.685	15
	stchnott	S/teachers (no training)	0.038	0.892	15
	zsqtt	R:/ school head teacher training	-0.038	0.893	15
	sqssec	S/qualification-special training	0.083	0.767	15
NAM	sqssecwk	S/# weeks special Training	-0.470	0.145	11
	ratotp	SCR:/ teacher reading-all total raw score	1.000		20
	zxqprof	D:/ reading teacher teacher training	-0.360	0.119	20
	zxinserv	R:/ reading teacher inservice training effectiveness	0.195	0.505	14
	stch1yr	S/teachers (1 Year)	-0.199	0.401	20
	stch2yr	S/teachers (2 Year)	-0.003	0.990	20
	stch3yr	S/teachers (3 Year)	-0.153	0.519	20
	stchmore	S/teachers (more)	0.248	0.291	20
	stchshor	S/teachers (short)	0.025	0.918	20
	stchnott	S/teachers (no training)	0.181	0.444	20
	zsqtt	R:/ school head teacher training	0.100	0.675	20
	sqssec	S/qualification-special training	-0.070	0.768	20
	sqssecwk	S/# weeks special Training	-0.653	0.232	5
NIA	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.273	0.325	15
	zxinserv	R:/ reading teacher inservice training effectiveness	0.133	0.715	10
	stch1yr	S/teachers (1 Year)	-0.388	0.171	14
	stch2yr	S/teachers (2 Year)	-0.161	0.582	14
	stch3yr	S/teachers (3 Year)	-0.402	0.155	14
	stchmore	S/teachers (more)	0.221	0.449	14
	stchshor	S/teachers (short)	-0.186	0.523	14



	stchnott	S/teachers (no training)	-0.601	0.023	14
	zsqtt	R:/ school head teacher training	-0.451	0.106	14
	sqssec	S/qualification-special training	0.103	0.725	14
	sqssecwk	S/# weeks special Training	0.416	0.584	4
SOF	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	-0.650	0.012	14
	zxinserv	R:/ reading teacher inservice training effectiveness	-0.328	0.428	8
	stch1yr	S/teachers (1 Year)	-0.190	0.497	15
	stch2yr	S/teachers (2 Year)	0.285	0.304	15
	stch3yr	S/teachers (3 Year)	-0.003	0.993	15
	stchmore	S/teachers (more)	0.282	0.308	15
	stchshor	S/teachers (short)	0.543	0.037	15
	stchnott	S/teachers (no training)	0.185	0.509	15
	zsqtt	R:/ school head teacher training	-0.289	0.297	15
	sqssec	S/qualification-special training	0.219	0.433	15
	sqssecwk	S/# weeks special Training	-0.419	0.301	8
TET	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	zxqprof	D:/ reading teacher teacher training	0.373	0.171	15
	zxinserv	R:/ reading teacher inservice training effectiveness	0.420	0.261	9
	stch1yr	S/teachers (1 Year)	0.169	0.546	15
	stch2yr	S/teachers (2 Year)	0.077	0.785	15
	stch3yr	S/teachers (3 Year)	0.050	0.860	15
	stchmore	S/teachers (more)	0.176	0.530	15
	stchshor	S/teachers (short)	0.044	0.876	15
	stchnott	S/teachers (no training)	-0.321	0.243	15
	zsqtt	R:/ school head teacher training	0.231	0.407	15
	sqssec	S/qualification-special training	-0.029	0.917	15
	sqssecwk	S/# weeks special Training	.(a)	.	1
ZAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		18
	zxqprof	D:/ reading teacher teacher training	-0.017	0.947	18
	zxinserv	R:/ reading teacher inservice training effectiveness	.(a)	.	5
	stch1yr	S/teachers (1 Year)	0.202	0.421	18
	stch2yr	S/teachers (2 Year)	0.176	0.485	18
	stch3yr	S/teachers (3 Year)	0.274	0.272	18
	stchmore	S/teachers (more)	-0.345	0.161	18
	stchshor	S/teachers (short)	-0.396	0.104	18
	stchnott	S/teachers (no training)	-0.061	0.810	18
	zsqtt	R:/ school head teacher training	-0.251	0.316	18
	sqssec	S/qualification-special training	0.249	0.319	18
	sqssecwk	S/# weeks special Training	.(a)	.	3

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

a Cannot be computed because at least one of the variables is constant

## APPENDIX 63

### MOZAMBIQUE TEACHER TRAINING - MATHEMATICS

Prov	Var	Description	Pearson Corr	Sig	N
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CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14	
	zyqprof	D:/ math teacher teacher training	0.209	0.474	14	
	zyinserv	R:/ math teacher inservice training effectiveness	0.148	0.703	9	
	stch1yr	S/teachers (1 Year)	0.060	0.839	14	
	stch2yr	S/teachers (2 Year)	-0.180	0.537	14	
	stch3yr	S/teachers (3 Year)	-0.329	0.250	14	
	stchshor	S/teachers (more)	-0.388	0.170	14	
	stchnott	S/teachers (short)	-0.237	0.414	14	
	stchmore	S/teachers (no training)	-0.189	0.517	14	
	zsqtt	R:/ school head teacher training	0.122	0.679	14	
	sqssec	S/qualification-special training	-0.159	0.588	14	
	sqssecwk	S/# weeks special Training	1.000		2	
	GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zyqprof	D:/ math teacher teacher training	0.121	0.681	14
zyinserv		R:/ math teacher inservice training effectiveness	0.484	0.331	6	
stch1yr		S/teachers (1 Year)	0.149	0.597	15	
stch2yr		S/teachers (2 Year)	-0.314	0.254	15	
stch3yr		S/teachers (3 Year)	-0.041	0.886	15	
stchshor		S/teachers (more)	0.134	0.634	15	
stchnott		S/teachers (short)	-0.115	0.684	15	
stchmore		S/teachers (no training)	-0.581	<u>0.023</u>	15	
zsqtt		R:/ school head teacher training	-0.196	0.485	15	
sqssec		S/qualification-special training	0.644	<u>0.013</u>	14	
sqssecwk		S/# weeks special Training	-0.076	0.887	6	
INH		matotp	SCR:/ teacher math-all total raw score	1.000		14
		zyqprof	D:/ math teacher teacher training	-0.102	0.740	13
	zyinserv	R:/ math teacher inservice training effectiveness	-0.086	0.840	8	
	stch1yr	S/teachers (1 Year)	0.539	0.057	13	
	stch2yr	S/teachers (2 Year)	-0.251	0.409	13	
	stch3yr	S/teachers (3 Year)	-0.030	0.922	13	
	stchshor	S/teachers (more)	-0.311	0.301	13	
	stchnott	S/teachers (short)	0.540	0.057	13	
	stchmore	S/teachers (no training)	0.053	0.863	13	
	zsqtt	R:/ school head teacher training	-0.136	0.657	13	
	sqssec	S/qualification-special training	-0.328	0.274	13	
	sqssecwk	S/# weeks special Training	-0.748	0.252	4	
	MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20
		zyqprof	D:/ math teacher teacher training	0.467	<u>0.038</u>	20
zyinserv		R:/ math teacher inservice training effectiveness	0.522	0.184	8	
stch1yr		S/teachers (1 Year)	-0.130	0.607	18	
stch2yr		S/teachers (2 Year)	0.216	0.390	18	
stch3yr		S/teachers (3 Year)	-0.183	0.466	18	
stchshor		S/teachers (more)	-0.012	0.963	18	
stchnott		S/teachers (short)	-0.422	0.081	18	
stchmore		S/teachers (no training)	0.567	<u>0.014</u>	18	
zsqtt		R:/ school head teacher training	0.174	0.491	18	
sqssec		S/qualification-special training	-0.063	0.805	18	
sqssecwk		S/# weeks special Training	-0.028	0.932	12	



MAN	matotp	SCR:/ teacher math-all total raw score	1.000		15	
	zyqprof	D:/ math teacher teacher training	0.140	0.634	14	
	zyinserv	R:/ math teacher inservice training effectiveness	0.877	0.123	4	
	stch1yr	S/teachers (1 Year)	-0.312	0.351	11	
	stch2yr	S/teachers (2 Year)	0.046	0.893	11	
	stch3yr	S/teachers (3 Year)	0.078	0.820	11	
	stchshor	S/teachers (more)	-0.017	0.961	11	
	stchnott	S/teachers (short)	-0.179	0.599	11	
	stchmore	S/teachers (no training)	-0.369	0.264	11	
	zsqtt	R:/ school head teacher training	0.291	0.385	11	
	sqssec	S/qualification-special training	-0.244	0.470	11	
	sqssecwk	S/# weeks special Training	-0.814	0.093	5	
	MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zyqprof	D:/ math teacher teacher training	0.195	0.485	15
zyinserv		R:/ math teacher inservice training effectiveness	0.334	0.464	7	
stch1yr		S/teachers (1 Year)	-0.170	0.546	15	
stch2yr		S/teachers (2 Year)	-0.103	0.715	15	
stch3yr		S/teachers (3 Year)	0.038	0.894	15	
stchshor		S/teachers (more)	-0.294	0.287	15	
stchnott		S/teachers (short)	-0.010	0.972	15	
stchmore		S/teachers (no training)	0.102	0.718	15	
zsqtt		R:/ school head teacher training	0.151	0.591	15	
sqssec		S/qualification-special training	0.210	0.453	15	
sqssecwk		S/# weeks special Training	-0.783	<u>0.004</u>	11	
NAM		matotp	SCR:/ teacher math-all total raw score	1.000		20
		zyqprof	D:/ math teacher teacher training	-0.127	0.593	20
	zyinserv	R:/ math teacher inservice training effectiveness	0.092	0.788	11	
	stch1yr	S/teachers (1 Year)	-0.292	0.212	20	
	stch2yr	S/teachers (2 Year)	0.199	0.399	20	
	stch3yr	S/teachers (3 Year)	-0.322	0.167	20	
	stchshor	S/teachers (more)	0.108	0.650	20	
	stchnott	S/teachers (short)	0.017	0.942	20	
	stchmore	S/teachers (no training)	0.386	0.093	20	
	zsqtt	R:/ school head teacher training	0.081	0.734	20	
	sqssec	S/qualification-special training	-0.338	0.145	20	
	sqssecwk	S/# weeks special Training	-0.326	0.592	5	
	NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zyqprof	D:/ math teacher teacher training	-0.256	0.376	14
zyinserv		R:/ math teacher inservice training effectiveness	-0.209	0.653	7	
stch1yr		S/teachers (1 Year)	0.031	0.917	14	
stch2yr		S/teachers (2 Year)	-0.165	0.572	14	
stch3yr		S/teachers (3 Year)	-0.205	0.482	14	
stchshor		S/teachers (more)	0.078	0.792	14	
stchnott		S/teachers (short)	-0.369	0.194	14	
stchmore		S/teachers (no training)	0.064	0.827	14	
zsqtt		R:/ school head teacher training	-0.617	<u>0.019</u>	14	
sqssec		S/qualification-special training	0.038	0.899	14	
sqssecwk		S/# weeks special Training	0.835	0.165	4	



SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15	
	zyqprof	D:/ math teacher teacher training	0.032	0.913	14	
	zyinserv	R:/ math teacher inservice training effectiveness	0.025	0.950	9	
	stch1yr	S/teachers (1 Year)	-0.215	0.441	15	
	stch2yr	S/teachers (2 Year)	0.031	0.914	15	
	stch3yr	S/teachers (3 Year)	-0.413	0.126	15	
	stchshor	S/teachers (more)	0.530	<u>0.042</u>	15	
	stchnott	S/teachers (short)	-0.025	0.930	15	
	stchmore	S/teachers (no training)	0.070	0.805	15	
	zsqtt	R:/ school head teacher training	-0.325	0.238	15	
	sqssec	S/qualification-special training	0.240	0.389	15	
	sqssecwk	S/# weeks special Training	0.027	0.949	8	
	TET	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zyqprof	D:/ math teacher teacher training	0.001	0.998	15
zyinserv		R:/ math teacher inservice training effectiveness	-0.125	0.767	8	
stch1yr		S/teachers (1 Year)	-0.101	0.720	15	
stch2yr		S/teachers (2 Year)	-0.227	0.416	15	
stch3yr		S/teachers (3 Year)	-0.455	0.088	15	
stchshor		S/teachers (more)	0.476	0.073	15	
stchnott		S/teachers (short)	-0.500	0.058	15	
stchmore		S/teachers (no training)	-0.290	0.295	15	
zsqtt		R:/ school head teacher training	0.189	0.501	15	
sqssec		S/qualification-special training	-0.094	0.738	15	
sqssecwk		S/# weeks special Training	.(a)	.	1	
ZAM		matotp	SCR:/ teacher math-all total raw score	1.000		18
		zyqprof	D:/ math teacher teacher training	0.487	<u>0.041</u>	18
	zyinserv	R:/ math teacher inservice training effectiveness	.(a)	.	6	
	stch1yr	S/teachers (1 Year)	0.089	0.726	18	
	stch2yr	S/teachers (2 Year)	0.062	0.807	18	
	stch3yr	S/teachers (3 Year)	0.066	0.796	18	
	stchshor	S/teachers (more)	-0.241	0.335	18	
	stchnott	S/teachers (short)	-0.067	0.792	18	
	stchmore	S/teachers (no training)	-0.176	0.485	18	
	zsqtt	R:/ school head teacher training	-0.406	0.095	18	
	sqssec	S/qualification-special training	0.140	0.579	18	
	sqssecwk	S/# weeks special Training	.(a)	.	3	

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

a Cannot be computed because at least one of the variables is constant



**APPENDIX 64**  
**MOZAMBIQUE TEACHER CHARACTERISTICS - READING**

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ Pupil math-all total raw score	1.000		14
	zxsex	R:/ reading teacher sex	0.051	0.869	13
	zixelvl	D:/ reading teacher age level	-0.257	0.375	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.065	0.824	14
	zxlight	R:/ reading teacher source of lighting	0.464	0.095	14
	zxcondli	R:/ reading teacher home condition	-0.013	0.965	14
	zssex	R:/ school head sex	0.069	0.814	14
	zsixelvl	R:/ school head age level	-0.299	0.299	14
GAZ	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.335	0.242	14
	zixelvl	D:/ reading teacher age level	0.536	0.048	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.023	0.939	14
	zxlight	R:/ reading teacher source of lighting	0.182	0.533	14
	zxcondli	R:/ reading teacher home condition	-0.114	0.699	14
	zssex	R:/ school head sex	-0.314	0.275	14
	zsixelvl	R:/ school head age level	0.032	0.913	14
INH	ratotp	SCR:/ Pupil math-all total raw score	1.000		14
	zxsex	R:/ reading teacher sex	0.113	0.701	14
	zixelvl	D:/ reading teacher age level	0.414	0.141	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.580	0.030	14
	zxlight	R:/ reading teacher source of lighting	0.543	0.045	14
	zxcondli	R:/ reading teacher home condition	0.047	0.873	14
	zssex	R:/ school head sex	0.394	0.183	13
	zsixelvl	R:/ school head age level	0.402	0.173	13
MAC	ratotp	SCR:/ Pupil math-all total raw score	1.000		20
	zxsex	R:/ reading teacher sex	-0.109	0.647	20
	zixelvl	D:/ reading teacher age level	-0.074	0.758	20
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.361	0.117	20
	zxlight	R:/ reading teacher source of lighting	0.477	0.033	20
	zxcondli	R:/ reading teacher home condition	0.033	0.890	20
	zssex	R:/ school head sex	0.286	0.251	18
	zsixelvl	R:/ school head age level	0.152	0.546	18
MAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.011	0.971	14
	zixelvl	D:/ reading teacher age level	-0.029	0.922	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.025	0.934	14
	zxlight	R:/ reading teacher source of lighting	0.094	0.750	14
	zxcondli	R:/ reading teacher home condition	-0.128	0.664	14
	zssex	R:/ school head sex	.(a)	.	11
	zsixelvl	R:/ school head age level	0.028	0.936	11
MAP	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	0.230	0.409	15
	zixelvl	D:/ reading teacher age level	0.191	0.495	15
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.054	0.848	15
	zxlight	R:/ reading teacher source of lighting	0.205	0.463	15
	zxcondli	R:/ reading teacher home condition	-0.196	0.484	15
	zssex	R:/ school head sex	-0.165	0.557	15
	zsixelvl	R:/ school head age level	0.193	0.490	15
NAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		20



	zxsex	R:/ reading teacher sex	0.094	0.694	20
	zixelvl	D:/ reading teacher age level	0.004	0.986	20
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.160	0.501	20
	zxlight	R:/ reading teacher source of lighting	0.030	0.900	20
	zxcondli	R:/ reading teacher home condition	-0.280	0.231	20
	zssex	R:/ school head sex	0.200	0.397	20
	zsixelvl	R:/ school head age level	0.054	0.822	20
NIA	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.038	0.894	15
	zixelvl	D:/ reading teacher age level	0.293	0.290	15
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.378	0.165	15
	zxlight	R:/ reading teacher source of lighting	-0.352	0.199	15
	zxcondli	R:/ reading teacher home condition	-0.163	0.563	15
	zssex	R:/ school head sex	.(a)	.	14
	zsixelvl	R:/ school head age level	0.254	0.381	14
SOF	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	0.258	0.373	14
	zixelvl	D:/ reading teacher age level	-0.025	0.933	14
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	0.137	0.641	14
	zxlight	R:/ reading teacher source of lighting	0.039	0.894	14
	zxcondli	R:/ reading teacher home condition	0.066	0.822	14
	zssex	R:/ school head sex	-0.386	0.173	14
	zsixelvl	R:/ school head age level	-0.251	0.367	15
TET	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zxsex	R:/ reading teacher sex	-0.040	0.887	15
	zixelvl	D:/ reading teacher age level	0.273	0.325	15
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.086	0.760	15
	zxlight	R:/ reading teacher source of lighting	-0.136	0.630	15
	zxcondli	R:/ reading teacher home condition	-0.275	0.321	15
	zssex	R:/ school head sex	.(a)	.	15
	zsixelvl	R:/ school head age level	0.079	0.779	15
ZAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		18
	zxsex	R:/ reading teacher sex	0.394	0.105	18
	zixelvl	D:/ reading teacher age level	0.122	0.629	18
	zxhpos13	D:/ reading teacher total possessions at home [max=13]	-0.163	0.519	18
	zxlight	R:/ reading teacher source of lighting	-0.339	0.169	18
	zxcondli	R:/ reading teacher home condition	-0.372	0.129	18
	zssex	R:/ school head sex	.(a)	.	18
	zsixelvl	R:/ school head age level	-0.060	0.812	18

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.

## APPENDIX 64

### MOZAMBIQUE TEACHER CHARACTERISTICS - MATHEMATICS

Prov	Variables	Description	Pearson Cor	Sig	N
CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zysex	R:/ reading teacher sex	.(a)	.	14
	zyixelvl	D:/ math teacher age level	-0.018	0.951	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.269	0.353	14
	zylight	R:/ math teacher source of lighting	0.282	0.328	14
	zycondli	R:/ math teacher home condition	-0.221	0.448	14



	zssex	R:/ school head sex	-0.057	0.846	14
	zsagelvl	R:/ school head age level	-0.021	0.944	14
GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	0.047	0.872	14
	zyagelvl	D:/ math teacher age level	0.106	0.719	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.284	0.324	14
	zylight	R:/ math teacher source of lighting	0.186	0.523	14
	zycondli	R:/ math teacher home condition	-0.159	0.586	14
	zssex	R:/ school head sex	-0.080	0.786	14
	zsagelvl	R:/ school head age level	0.250	0.390	14
INH	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zysex	R:/ reading teacher sex	-0.124	0.685	13
	zyagelvl	D:/ math teacher age level	0.331	0.270	13
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.362	0.224	13
	zylight	R:/ math teacher source of lighting	0.515	0.072	13
	zycondli	R:/ math teacher home condition	-0.049	0.873	13
	zssex	R:/ school head sex	0.479	0.098	13
	zsagelvl	R:/ school head age level	0.568	<u>0.043</u>	13
MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zysex	R:/ reading teacher sex	-0.092	0.700	20
	zyagelvl	D:/ math teacher age level	0.046	0.847	20
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.085	0.722	20
	zylight	R:/ math teacher source of lighting	-0.165	0.487	20
	zycondli	R:/ math teacher home condition	0.351	0.129	20
	zssex	R:/ school head sex	-0.127	0.615	18
	zsagelvl	R:/ school head age level	0.237	0.345	18
MAN	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	0.131	0.656	14
	zyagelvl	D:/ math teacher age level	-0.231	0.428	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.148	0.614	14
	zylight	R:/ math teacher source of lighting	0.253	0.383	14
	zycondli	R:/ math teacher home condition	-0.005	0.987	14
	zssex	R:/ school head sex	.(a)	.	11
	zsagelvl	R:/ school head age level	-0.204	0.548	11
MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	-0.165	0.556	15
	zyagelvl	D:/ math teacher age level	0.071	0.803	15
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.058	0.837	15
	zylight	R:/ math teacher source of lighting	-0.089	0.751	15
	zycondli	R:/ math teacher home condition	-0.146	0.605	15
	zssex	R:/ school head sex	0.154	0.584	15
	zsagelvl	R:/ school head age level	0.533	<u>0.041</u>	15
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zysex	R:/ reading teacher sex	0.133	0.576	20
	zyagelvl	D:/ math teacher age level	-0.268	0.253	20
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.033	0.891	20
	zylight	R:/ math teacher source of lighting	0.233	0.322	20
	zycondli	R:/ math teacher home condition	-0.285	0.223	20
	zssex	R:/ school head sex	-0.001	0.997	20
	zsagelvl	R:/ school head age level	-0.262	0.264	20
NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	.(a)	.	14
	zyagelvl	D:/ math teacher age level	-0.597	<u>0.024</u>	14





	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.179	0.541	14
	zylight	R:/ math teacher source of lighting	-0.446	0.110	14
	zycondli	R:/ math teacher home condition	-0.171	0.558	14
	zssex	R:/ school head sex	.(a)	.	14
	zsagelvl	R:/ school head age level	0.230	0.429	14
SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	-0.340	0.234	14
	zyagelvl	D:/ math teacher age level	0.050	0.866	14
	zyhpos13	D:/ math teacher total possessions at home [max=13]	0.022	0.942	14
	zylight	R:/ math teacher source of lighting	-0.224	0.441	14
	zycondli	R:/ math teacher home condition	0.065	0.826	14
	zssex	R:/ school head sex	-0.451	0.105	14
	zsagelvl	R:/ school head age level	-0.316	0.252	15
TET	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zysex	R:/ reading teacher sex	0.330	0.229	15
	zyagelvl	D:/ math teacher age level	-0.427	0.113	15
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.247	0.375	15
	zylight	R:/ math teacher source of lighting	-0.373	0.171	15
	zycondli	R:/ math teacher home condition	-0.214	0.444	15
	zssex	R:/ school head sex	.(a)	.	15
	zsagelvl	R:/ school head age level	0.111	0.693	15
ZAM	matotp	SCR:/ teacher math-all total raw score	1.000		18
	zysex	R:/ reading teacher sex	0.023	0.929	17
	zyagelvl	D:/ math teacher age level	-0.151	0.549	18
	zyhpos13	D:/ math teacher total possessions at home [max=13]	-0.020	0.937	18
	zylight	R:/ math teacher source of lighting	-0.022	0.930	18
	zycondli	R:/ math teacher home condition	-0.273	0.273	18
	zssex	R:/ school head sex	.(a)	.	18
	zsagelvl	R:/ school head age level	-0.322	0.193	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 65**  
**SACMEQ TEACHER TRAINING CONSTRUCT - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N
BOT	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		170
	zxqprof	Reading teacher professional training	0.110	0.154	170
	stch1yr	Teacher training 1 year	0.137	0.075	170
	stch2yr	Teacher training 2 years	-0.046	0.548	170
	stch3yr	Teacher training 3 years	0.080	0.302	170
	stchmore	Teacher training more than years	0.574	<u>0.000</u>	170
	stchshor	Teacher training short	-0.194	<u>0.011</u>	170
	stchnott	No Teacher training	0.055	0.480	170
	zxinserv	In-service teacher training	-0.003	0.973	148
	zsqtt	School head teacher training	0.335	<u>0.000</u>	170
	sqssec	School head special training	0.217	<u>0.004</u>	170
	sqssecwk	School head weeks special training	0.336	<u>0.001</u>	92
	KEN	ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
zxqprof		Professional training	0.014	0.859	175
stch1yr		Teacher training 1 years	-0.060	0.418	184
stch2yr		Teacher training 2 years	0.378	<u>0.000</u>	184
stch3yr		Teacher training 3 year	-0.151	<u>0.040</u>	184
stchmore		Teacher training more than years	0.014	0.847	184
stchshor		No Teacher training	0.153	<u>0.039</u>	184
stchnott		Teacher training short	-0.003	0.964	184
zxinserv		In-service teacher training	-0.132	0.155	118
zsqtt		School head teacher training	0.011	0.880	184
sqssec		School head special training	.(a)	.	184
sqssecwk		School head weeks special training	0.112	0.129	184
LES		ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
	zxqprof	Professional training	0.032	0.671	177
	stch1yr	Teacher training 1 year	0.063	0.408	177
	stch2yr	Teacher training 2 year	-0.020	0.788	177
	stch3yr	Teacher training 3 year	0.201	<u>0.007</u>	177
	stchmore	Teacher training more than year	0.073	0.336	177
	stchnott	No Teacher training	-0.034	0.654	177
	stchshor	Teacher training short	0.052	0.490	177
	zxinserv	In-service teacher training	-0.131	0.214	91
	zsqtt	School head teacher training	-0.013	0.860	177
	sqssec	School head special training	-0.027	0.726	177
	sqssecwk	School head weeks special training	0.027	0.773	120
	MAL	ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
zxqprof		Professional training	0.112	0.190	139
stch1yr		Teacher training 1 year	0.206	<u>0.015</u>	140
stch2yr		Teacher training 2 years	0.398	<u>0.000</u>	140
stch3yr		Teacher training 3 years	0.152	0.074	140
stchmore		Teacher training more than years	0.099	0.242	140
stchnott		No Teacher training	0.090	0.308	130
stchshor		Teacher training short	0.182	<u>0.032</u>	140
zxinserv		In-service teacher training	0.212	0.161	45
zsqtt		School head teacher training	-0.036	0.669	140
sqssec		School head special training	-0.054	0.530	140
sqssecwk		School head weeks special training	-0.092	0.280	140
MAU		ratotp	SCR:/ Pupils´reading-all total raw score	1.000	
	zxqprof	Professional training	-0.036	0.662	153



	stch1yr	Teacher training 1 year	0.081	0.317	153
	stch2yr	Teacher training 2 year	0.208	<u>0.010</u>	153
	stch3yr	Teacher training 3 year	0.183	<u>0.024</u>	153
	stchmore	Teacher training more than year	0.088	0.281	153
	stchnott	No Teacher training	0.185	<u>0.022</u>	153
	stchshor	Teacher training short	-0.074	0.361	153
	zxinserv	In-service teacher training	0.038	0.665	132
	zsqtt	School head teacher training	-0.009	0.915	153
	sqssec	School head special training	.(a)	.	153
	sqssecwk	School head weeks special training	-0.104	0.199	153
MOZ	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		176
	zxqprof	Professional training	0.124	0.103	173
	stch1yr	Teacher training 1 year	0.141	0.068	168
	stch2yr	Teacher training 2 years	0.237	<u>0.002</u>	168
	stch3yr	Teacher training 3 years	0.148	0.056	168
	stchmore	Teacher training more than years	0.183	<u>0.017</u>	168
	stchnott	No Teacher training	-0.194	<u>0.012</u>	168
	stchshor	Teacher training short	0.220	<u>0.004</u>	168
	zxinserv	In-service teacher training	0.105	0.347	82
	zsqtt	School head teacher training	-0.056	0.468	168
	sqssec	School head special training	0.170	<u>0.028</u>	167
	sqssecwk	School head weeks special training	0.028	0.832	61
NAM	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		270
	zxqprof	Professional training	0.329	<u>0.000</u>	269
	stch1yr	Teacher training 1 year	-0.147	<u>0.016</u>	270
	stch2yr	Teacher training 2 years	-0.182	<u>0.003</u>	270
	stch3yr	Teacher training 3 years	0.244	<u>0.000</u>	270
	stchmore	Teacher training more than years	0.624	<u>0.000</u>	270
	stchnott	No Teacher training	-0.260	<u>0.000</u>	270
	stchshor	Teacher training short	-0.046	0.452	270
	zxinserv	In-service teacher training	-0.091	0.217	186
	zsqtt	School head teacher training	0.430	<u>0.000</u>	270
	sqssec	School head special training	0.070	0.250	270
	sqssecwk	School head weeks special training	0.049	0.482	208
SEY	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		24
	zxqprof	Professional training	0.308	0.143	24
	stch1yr	Teacher training 1 year	0.058	0.789	24
	stch2yr	Teacher training 2 years	0.093	0.666	24
	stch3yr	Teacher training 3 years	0.015	0.943	24
	stchmore	Teacher training more than years	0.051	0.812	24
	stchnott	No Teacher training	-0.291	0.167	24
	stchshor	Teacher training short	-0.056	0.795	24
	zxinserv	In-service teacher training	-0.232	0.386	16
	zsqtt	School head teacher training	-0.141	0.510	24
	sqssec	School head special training	0.129	0.549	24
	sqssecwk	School head weeks special training	0.079	0.762	17
SOU	ratotp	SCR:/ Pupils´reading-all total raw score	1.000		169
	zxqprof	Professional training	0.388	<u>0.000</u>	164
	stch1yr	Teacher training 1 year	-0.027	0.730	167
	stch2yr	Teacher training 2 years	-0.267	<u>0.000</u>	167
	stch3yr	Teacher training 3 years	-0.158	<u>0.041</u>	167
	stchmore	Teacher training more than years	0.596	<u>0.000</u>	167
	stchnott	No Teacher training	-0.130	0.095	167
	stchshor	Teacher training short	0.046	0.559	167



	zxinserv	In-service teacher training	-0.198	<u>0.031</u>	118
	zsqtt	School head teacher training	0.375	<u>0.000</u>	167
	sqssec	School head special training	0.139	0.075	166
	sqssecwk	School head weeks special training	0.143	0.123	118
SWA	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		168
	zxqprof	Professional training	-0.093	0.238	164
	stch1yr	Teacher training 1 year	-0.122	0.115	168
	stch2yr	Teacher training 2 years	0.072	0.354	168
	stch3yr	Teacher training 3 years	0.131	0.090	168
	stchmore	Teacher training more than years	0.359	<u>0.000</u>	168
	stchnott	No Teacher training	-0.260	<u>0.001</u>	168
	stchshor	Teacher training short	-0.050	0.523	168
	zxinserv	In-service teacher training	-0.226	<u>0.028</u>	95
	zsqtt	School head teacher training	0.140	0.071	168
	sqssec	School head special training	0.145	0.061	168
	sqssecwk	School head weeks special training	0.231	<u>0.003</u>	168
TAN	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		181
	zxqprof	Professional training	-0.134	0.074	179
	stch1yr	Teacher training 1 year	0.073	0.328	181
	stch2yr	Teacher training 2 years	0.459	<u>0.000</u>	181
	stch3yr	Teacher training 3 years	0.136	0.069	181
	stchmore	Teacher training more than years	-0.011	0.878	181
	stchnott	No Teacher training	-0.016	0.832	181
	stchshor	Teacher training short	0.002	0.982	181
	zxinserv	In-service teacher training	-0.296	0.067	39
	zsqtt	School head teacher training	-0.132	0.077	181
	sqssec	School head special training	-0.032	0.670	177
	sqssecwk	School head weeks special training	0.133	0.131	131
UGA	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		163
	zxqprof	Professional training	0.115	0.148	159
	stch1yr	Teacher training 1 year	-0.078	0.322	163
	stch2yr	Teacher training 2 year	0.299	<u>0.000</u>	163
	stch3yr	Teacher training 3 year	-0.046	0.559	163
	stchmore	Teacher training more than year	0.043	0.590	163
	stchnott	No Teacher training	-0.100	0.205	163
	stchshor	Teacher training short	-0.179	<u>0.022</u>	163
	zxinserv	In-service teacher training	0.062	0.504	118
	zsqtt	School head teacher training	0.016	0.839	163
	sqssec	School head special training	0.153	0.051	163
	sqssecwk	School head weeks special training	0.082	0.296	163
ZAM	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		173
	zxqprof	Professional training	0.136	0.078	169
	stch1yr	Teacher training 1 years	0.239	<u>0.002</u>	169
	stch2yr	Teacher training 2 years	0.543	<u>0.000</u>	169
	stch3yr	Teacher training 3 years	0.095	0.219	169
	stchmore	Teacher training more than year	0.246	<u>0.001</u>	169
	stchshor	No Teacher training	0.065	0.401	169
	stchnott	Teacher training short	0.026	0.733	169
	zxinserv	In-service teacher training	0.257	<u>0.012</u>	94
	zsqtt	School head teacher training	0.245	<u>0.001</u>	169
	sqssec	School head special training	0.135	0.085	165
	sqssecwk	School head weeks special training	0.002	0.983	133
ZAN	ratotp	SCR:/ Pupils' reading-all total raw score	1.000		145
	zxqprof	Professional training	0.081	0.341	140



	stch1yr	Teacher training 1 year	-0.003	0.975	145
	stch2yr	Teacher training 2 years	0.311	<u>0.000</u>	145
	stch3yr	Teacher training 3 years	0.001	0.993	145
	stchmore	Teacher training more than years	0.017	0.835	145
	stchnott	No Teacher training	-0.071	0.433	125
	stchshor	Teacher training short	-0.033	0.694	145
	zxinserv	In-service teacher training	0.135	0.179	101
	zsqtt	School head teacher training	-0.083	0.318	145
	sqssec	School head special training	0.062	0.461	145
	sqssecwk	School head weeks special training	-0.044	0.660	103

- \*\* Correlation is significant at the 0.01 level (2-tailed).  
\* Correlation is significant at the 0.05 level (2-tailed).  
a Cannot be computed because at least one of the variables is constant.

## APPENDIX 65

### SACMEQ TEACHER TRAINING CONSTRUCT - MATHEMATICS

Countries	Variables	Description	Pearson Cor	Sig	N
BOT	matotp	SCR:/ Pupils' math-all total raw score	1.000		170
	zxqprof	Professional training	0.098	0.204	170
	stch1yr	Teacher training 1 year	0.078	0.343	148
	stch2yr	Teacher training 2 years	0.208	<u>0.007</u>	170
	stch3yr	Teacher training 3 years	-0.141	0.067	170
	stchmore	Teacher training more than years	0.100	0.194	170
	stchnott	No Teacher training	0.608	<u>0.000</u>	170
	stchshor	Teacher training short	-0.157	<u>0.042</u>	170
	zxinserv	In-service teacher training	0.095	0.219	170
	zsqtt	School head teacher training	0.327	<u>0.000</u>	170
	sqssec	School head special training	0.193	<u>0.012</u>	170
	sqssecwk	School head weeks special training	0.350	<u>0.001</u>	92
KEN	matotp	SCR:/ Pupils' math-all total raw score	1.000		185
	zxqprof	Professional training	0.053	0.482	180
	stch1yr	Teacher training 1 year	0.111	0.232	118
	stch2yr	Teacher training 2 years	-0.047	0.528	184
	stch3yr	Teacher training 3 years	0.274	<u>0.000</u>	184
	stchmore	Teacher training more than years	-0.147	<u>0.046</u>	184
	stchnott	No Teacher training	0.069	0.352	184
	stchshor	Teacher training short	0.170	<u>0.021</u>	184
	zxinserv	In-service teacher training	-0.009	0.904	184
	zsqtt	School head teacher training	-0.023	0.752	184
	sqssec	School head special training	.(a)	.	184
	sqssecwk	School head weeks special training	0.097	0.189	184
LES	matotp	SCR:/ Pupils' math-all total raw score	1.000		177
	zxqprof	Professional training	0.038	0.613	177
	stch1yr	Teacher training 1 year	-0.204	0.053	91
	stch2yr	Teacher training 2 years	0.057	0.449	177
	stch3yr	Teacher training 3 years	0.013	0.866	177
	stchmore	Teacher training more than years	0.057	0.448	177
	stchnott	No Teacher training	0.132	0.081	177
	stchshor	Teacher training short	-0.053	0.482	177
	zxinserv	In-service teacher training	-0.033	0.667	177
	zsqtt	School head teacher training	-0.018	0.811	177
	sqssec	School head special training	0.010	0.896	177
	sqssecwk	School head weeks special training	0.068	0.460	120



MAL	matotp	SCR:/ Pupils´math-all total raw score	1.000		140	
	zxqprof	Professional training	0.073	0.395	136	
	stch1yr	Teacher training 1 year	0.025	0.872	43	
	stch2yr	Teacher training 2 years	0.123	0.149	140	
	stch3yr	Teacher training 3 years	0.343	<u>0.000</u>	140	
	stchmore	Teacher training more than years	0.069	0.417	140	
	stchnott	No Teacher training	0.050	0.561	140	
	stchshor	Teacher training short	-0.054	0.541	130	
	zxinserv	In-service teacher training	0.177	<u>0.037</u>	140	
	zsqtt	School head teacher training	0.062	0.469	140	
	sqssec	School head special training	-0.045	0.598	140	
	sqssecwk	School head weeks special training	-0.137	0.106	140	
	MAU	matotp	SCR:/ Pupils´math-all total raw score	1.000		153
		zxqprof	Professional training	-0.005	0.951	153
stch1yr		Teacher training 1 year	0.011	0.897	132	
stch2yr		Teacher training 2 years	0.124	0.128	153	
stch3yr		Teacher training 3 years	0.164	<u>0.042</u>	153	
stchmore		Teacher training more than years	0.214	<u>0.008</u>	153	
stchnott		No Teacher training	0.137	0.092	153	
stchshor		Teacher training short	0.195	<u>0.016</u>	153	
zxinserv		In-service teacher training	-0.042	0.603	153	
zsqtt		School head teacher training	0.035	0.671	153	
sqssec		School head special training	.(a)	.	153	
sqssecwk		School head weeks special training	-0.052	0.521	153	
MOZ		matotp	SCR:/ Pupils´math-all total raw score	1.000		176
		zxqprof	Professional training	0.182	0.017	171
	stch1yr	Teacher training 1 year	-0.090	0.419	83	
	stch2yr	Teacher training 2 years	0.175	<u>0.024</u>	168	
	stch3yr	Teacher training 3 years	0.098	0.204	168	
	stchmore	Teacher training more than years	0.015	0.842	168	
	stchnott	No Teacher training	0.140	0.071	168	
	stchshor	Teacher training short	-0.183	<u>0.018</u>	168	
	zxinserv	In-service teacher training	0.127	0.101	168	
	zsqtt	School head teacher training	-0.094	0.223	168	
	sqssec	School head special training	0.167	<u>0.031</u>	167	
	sqssecwk	School head weeks special training	-0.088	0.500	61	
	NAM	matotp	SCR:/ Pupils´math-all total raw score	1.000		270
		zxqprof	Professional training	0.322	<u>0.000</u>	270
stch1yr		Teacher training 1 year	-0.140	<u>0.050</u>	198	
stch2yr		Teacher training 2 years	-0.130	<u>0.033</u>	270	
stch3yr		Teacher training 3 years	-0.247	<u>0.000</u>	270	
stchmore		Teacher training more than years	0.166	<u>0.006</u>	270	
stchnott		No Teacher training	0.644	<u>0.000</u>	270	
stchshor		Teacher training short	-0.215	<u>0.000</u>	270	
zxinserv		In-service teacher training	-0.060	0.325	270	
zsqtt		School head teacher training	0.391	<u>0.000</u>	270	
sqssec		School head special training	0.092	0.133	270	
sqssecwk		School head weeks special training	0.014	0.842	208	
SEY		matotp	SCR:/ Pupils´math-all total raw score	1.000		24
		zxqprof	Professional training	-0.105	0.625	24
	stch1yr	Teacher training 1 year	0.149	0.569	17	
	stch2yr	Teacher training 2 years	0.096	0.657	24	
	stch3yr	Teacher training 3 years	0.196	0.358	24	
	stchmore	Teacher training more than years	0.052	0.809	24	



	stchnott	No Teacher training	0.025	0.908	24
	stchshor	Teacher training short	-0.212	0.320	24
	zxinserv	In-service teacher training	-0.106	0.623	24
	zsqtt	School head teacher training	-0.118	0.583	24
	sqssec	School head special training	0.096	0.654	24
	sqssecwk	School head weeks special training	0.034	0.898	17
SOU	matotp	SCR:/ Pupils´math-all total raw score	1.000		169
	zxqprof	Professional training	0.407	<u>0.000</u>	163
	stch1yr	Teacher training 1 year	-0.234	<u>0.011</u>	118
	stch2yr	Teacher training 2 years	-0.084	0.279	167
	stch3yr	Teacher training 3 years	-0.298	<u>0.000</u>	167
	stchmore	Teacher training more than years	-0.221	<u>0.004</u>	167
	stchnott	No Teacher training	0.629	<u>0.000</u>	167
	stchshor	Teacher training short	-0.048	0.538	167
	zxinserv	In-service teacher training	0.056	0.470	167
	zsqtt	School head teacher training	0.343	<u>0.000</u>	167
	sqssec	School head special training	0.127	0.102	166
	sqssecwk	School head weeks special training	0.088	0.344	118
SWA	matotp	SCR:/ Pupils´math-all total raw score	1.000		168
	zxqprof	Professional training	0.071	0.363	166
	stch1yr	Teacher training 1 year	0.038	0.727	87
	stch2yr	Teacher training 2 years	-0.014	0.853	168
	stch3yr	Teacher training 3 years	-0.046	0.555	168
	stchmore	Teacher training more than years	0.135	0.082	168
	stchnott	No Teacher training	0.196	<u>0.011</u>	168
	stchshor	Teacher training short	-0.106	0.172	168
	zxinserv	In-service teacher training	-0.094	0.225	168
	zsqtt	School head teacher training	0.163	<u>0.035</u>	168
	sqssec	School head special training	0.109	0.159	168
	sqssecwk	School head weeks special training	0.186	<u>0.016</u>	168
TAN	matotp	SCR:/ Pupils´math-all total raw score	1.000		181
	zxqprof	Professional training	-0.227	<u>0.002</u>	178
	stch1yr	Teacher training 1 year	0.305	<u>0.023</u>	55
	stch2yr	Teacher training 2 years	0.052	0.488	181
	stch3yr	Teacher training 3 years	0.330	<u>0.000</u>	181
	stchmore	Teacher training more than years	0.129	0.084	181
	stchnott	No Teacher training	-0.011	0.885	181
	stchshor	Teacher training short	-0.060	0.423	181
	zxinserv	In-service teacher training	0.033	0.662	181
	zsqtt	School head teacher training	-0.217	<u>0.003</u>	181
	sqssec	School head special training	-0.107	0.156	177
	sqssecwk	School head weeks special training	0.077	0.380	131
UGA	matotp	SCR:/ Pupils´math-all total raw score	1.000		163
	zxqprof	Professional training	0.035	0.705	122
	stch1yr	Teacher training 1 year	0.111	0.347	74
	stch2yr	Teacher training 2 years	-0.104	0.185	163
	stch3yr	Teacher training 3 years	0.198	<u>0.011</u>	163
	stchmore	Teacher training more than years	-0.064	0.418	163
	stchnott	No Teacher training	-0.024	0.758	163
	stchshor	Teacher training short	-0.135	0.086	163
	zxinserv	In-service teacher training	-0.078	0.321	163
	zsqtt	School head teacher training	-0.027	0.732	163
	sqssec	School head special training	0.110	0.160	163
	sqssecwk	School head weeks special training	0.023	0.767	163



ZAM	matotp	SCR:/ Pupils´math-all total raw score	1.000		173
	zxqprof	Professional training	0.076	0.325	170
	stch1yr	Teacher training 1 year	0.234	<u>0.022</u>	95
	stch2yr	Teacher training 2 years	0.028	0.722	169
	stch3yr	Teacher training 3 years	0.429	<u>0.000</u>	169
	stchmore	Teacher training more than years	0.028	0.715	169
	stchnott	No Teacher training	0.217	<u>0.005</u>	169
	stchshor	Teacher training short	-0.001	0.987	169
	zxinserv	In-service teacher training	0.044	0.573	169
	zsqtt	School head teacher training	0.160	<u>0.038</u>	169
	sqspeck	School head special training	0.057	0.466	165
	sqspeckwk	School head weeks special training	0.039	0.652	133
ZAN	matotp	SCR:/ Pupils´math-all total raw score	1.000		145
	zxqprof	Professional training	0.094	0.271	138
	stch1yr	Teacher training 1 year	-0.096	0.361	93
	stch2yr	Teacher training 2 years	-0.045	0.593	145
	stch3yr	Teacher training 3 years	0.051	0.546	145
	stchmore	Teacher training more than years	0.006	0.940	145
	stchnott	No Teacher training	0.251	<u>0.002</u>	145
	stchshor	Teacher training short	-0.168	0.061	125
	zxinserv	In-service teacher training	-0.059	0.480	145
	zsqtt	School head teacher training	-0.022	0.788	145
	sqspeck	School head special training	-0.009	0.915	145
	sqspeckwk	School head weeks special training	-0.108	0.277	103

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.





**APPENDIX 66**

**SACMEQ TEACHERS' CHARACTERISTICS CONSTRUCT - READING**

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	ratotp	Pupil reading total raw score	1.000		170
	zxsex	Teachers' sex	0.025	0.747	168
	zxagelvl	Teachers' age level	0.316	<u>0.000</u>	170
	zxhpos13	Teachers' possession	0.293	<u>0.000</u>	170
	zxlight	Teachers' source of lighting	0.387	<u>0.000</u>	170
	zxcondli	Teachers living condion	0.282	<u>0.000</u>	170
	zssex	School head sex	0.114	0.139	170
	zsagelvl	School head age level	0.069	0.369	170
KEN	ratotp	Pupil reading total raw score	1.000		185
	zxsex	Teachers' sex	0.314	<u>0.000</u>	174
	zxagelvl	Teachers' age level	-0.021	0.784	175
	zxhpos13	Teachers' possession	0.214	<u>0.004</u>	175
	zxlight	Teachers' source of lighting	0.325	<u>0.000</u>	175
	zxcondli	Teachers living condion	0.123	0.105	175
	zssex	School head sex	0.240	<u>0.001</u>	184
	zsagelvl	School head age level	-0.019	0.797	184
LES	ratotp	Pupil reading total raw score	1.000		177
	zxsex	Teachers' sex	0.089	0.238	177
	zxagelvl	Teachers' age level	0.056	0.460	177
	zxhpos13	Teachers' possession	0.202	<u>0.007</u>	177
	zxlight	Teachers' source of lighting	0.274	<u>0.000</u>	177
	zxcondli	Teachers living condion	0.036	0.631	177
	zssex	School head sex	0.144	0.056	177
	zsagelvl	School head age level	-0.004	0.961	177
MAL	ratotp	Pupil reading total raw score	1.000		140
	zxsex	Teachers' sex	0.378	<u>0.000</u>	139
	zxagelvl	Teachers' age level	-0.119	0.165	139
	zxhpos13	Teachers' possession	0.087	0.306	139
	zxlight	Teachers' source of lighting	0.317	<u>0.000</u>	139
	zxcondli	Teachers living condion	0.110	0.199	139
	zssex	School head sex	-0.013	0.878	140
	zsagelvl	School head age level	-0.076	0.372	140
MAU	ratotp	Pupil reading total raw score	1.000		153
	zxsex	Teachers' sex	-0.064	0.429	153
	zxagelvl	Teachers' age level	0.140	0.084	153
	zxhpos13	Teachers' possession	0.139	0.086	153
	zxlight	Teachers' source of lighting	.(a)	.	153
	zxcondli	Teachers living condion	0.056	0.490	153
	zssex	School head sex	-0.024	0.771	153
	zsagelvl	School head age level	-0.022	0.789	153
MOZ	ratotp	Pupil reading total raw score	1.000		176
	zxsex	Teachers' sex	0.133	0.082	172
	zxagelvl	Teachers' age level	0.141	0.064	173
	zxhpos13	Teachers' possession	0.181	<u>0.017</u>	173
	zxlight	Teachers' source of lighting	0.322	<u>0.000</u>	173
	zxcondli	Teachers living condion	-0.098	0.200	173
	zssex	School head sex	0.168	<u>0.031</u>	166
	zsagelvl	School head age level	0.133	0.088	167
NAM	ratotp	Pupil reading total raw score	1.000		270
	zxsex	Teachers' sex	0.233	<u>0.000</u>	269



	zxagelvl	Teachers' age level	0.246	<u>0.000</u>	269
	zxhpos13	Teachers' possession	0.532	<u>0.000</u>	269
	zxlight	Teachers' source of lighting	0.449	<u>0.000</u>	269
	zxcondli	Teachers living condion	0.374	<u>0.000</u>	269
	zssex	School head sex	-0.107	0.080	270
	zsagelvl	School head age level	0.055	0.371	270
<b>SEY</b>	ratotp	Pupil reading total raw score	1.000		24
	zxsex	Teachers' sex	0.289	0.170	24
	zxagelvl	Teachers' age level	0.160	0.456	24
	zxhpos13	Teachers' possession	-0.157	0.465	24
	zxlight	Teachers' source of lighting	.(a)	.	24
	zxcondli	Teachers living condion	0.144	0.502	24
	zssex	School head sex	-0.115	0.593	24
	zsagelvl	School head age level	0.207	0.331	24
<b>SOU</b>	ratotp	Pupil reading total raw score	1.000		169
	zxsex	Teachers' sex	0.210	<u>0.007</u>	163
	zxagelvl	Teachers' age level	0.060	0.443	164
	zxhpos13	Teachers' possession	0.275	<u>0.000</u>	164
	zxlight	Teachers' source of lighting	0.242	<u>0.002</u>	164
	zxcondli	Teachers living condion	0.303	<u>0.000</u>	164
	zssex	School head sex	-0.062	0.427	167
	zsagelvl	School head age level	-0.062	0.424	167
<b>SWA</b>	ratotp	Pupil reading total raw score	1.000		168
	zxsex	Teachers' sex	0.048	0.541	164
	zxagelvl	Teachers' age level	0.105	0.183	164
	zxhpos13	Teachers' possession	0.306	<u>0.000</u>	164
	zxlight	Teachers' source of lighting	0.361	<u>0.000</u>	164
	zxcondli	Teachers living condion	0.173	<u>0.027</u>	164
	zssex	School head sex	0.128	0.098	168
	zsagelvl	School head age level	0.150	0.053	168
<b>TAN</b>	ratotp	Pupil reading total raw score	1.000		181
	zxsex	Teachers' sex	0.345	<u>0.000</u>	176
	zxagelvl	Teachers' age level	-0.032	0.668	179
	zxhpos13	Teachers' possession	0.291	<u>0.000</u>	179
	zxlight	Teachers' source of lighting	0.401	<u>0.000</u>	179
	zxcondli	Teachers living condion	0.187	<u>0.012</u>	179
	zssex	School head sex	0.191	<u>0.010</u>	181
	zsagelvl	School head age level	0.143	0.055	181
<b>UGA</b>	ratotp	Pupil reading total raw score	1.000		163
	zxsex	Teachers' sex	0.030	0.710	154
	zxagelvl	Teachers' age level	-0.077	0.336	159
	zxhpos13	Teachers' possession	0.232	<u>0.003</u>	159
	zxlight	Teachers' source of lighting	0.272	<u>0.001</u>	159
	zxcondli	Teachers living condion	0.159	<u>0.045</u>	159
	zssex	School head sex	0.183	<u>0.020</u>	162
	zsagelvl	School head age level	0.002	0.979	163
<b>ZAM</b>	ratotp	Pupil reading total raw score	1.000		173
	zxsex	Teachers' sex	0.498	<u>0.000</u>	169
	zxagelvl	Teachers' age level	-0.154	<u>0.045</u>	169
	zxhpos13	Teachers' possession	0.550	<u>0.000</u>	169
	zxlight	Teachers' source of lighting	0.569	<u>0.000</u>	169
	zxcondli	Teachers living condion	0.154	<u>0.046</u>	169
	zssex	School head sex	0.369	<u>0.000</u>	169
	zsagelvl	School head age level	0.027	0.727	169



ZAN	ratotp	Pupil reading total raw score	1.000		145
	zxsex	Teachers' sex	0.167	0.051	137
	zxagelvl	Teachers' age level	-0.061	0.476	140
	zxhpos13	Teachers' possession	0.089	0.296	140
	zxlght	Teachers' source of lighting	0.217	<u>0.010</u>	140
	zxcondli	Teachers living condion	0.008	0.928	140
	zssex	School head sex	0.271	<u>0.001</u>	145
	zsagelvl	School head age level	0.210	<u>0.011</u>	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.

## APPENDIX 66

### SACMEQ TEACHERS' CHARACTERISTICS CONSTRUCT - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	ratotp	Pupil reading total raw score	1.000		170
	zxsex	Teachers' sex	-0.068	0.380	168
	zxagelvl	Teachers' age level	0.164	<u>0.032</u>	170
	zxhpos13	Teachers' possession	0.186	<u>0.015</u>	170
	zxlght	Teachers' source of lighting	0.222	<u>0.004</u>	170
	zxcondli	Teachers living condion	0.276	<u>0.000</u>	170
	zssex	School head sex	0.023	0.764	170
	zsagelvl	School head age level	0.020	0.792	170
KEN	ratotp	Pupil reading total raw score	1.000		185
	zxsex	Teachers' sex	0.183	<u>0.014</u>	180
	zxagelvl	Teachers' age level	0.016	0.830	180
	zxhpos13	Teachers' possession	0.143	0.056	180
	zxlght	Teachers' source of lighting	0.170	<u>0.023</u>	180
	zxcondli	Teachers living condion	0.145	0.052	180
	zssex	School head sex	0.177	<u>0.016</u>	184
	zsagelvl	School head age level	-0.064	0.392	184
LES	ratotp	Pupil reading total raw score	1.000		177
	zxsex	Teachers' sex	0.085	0.261	177
	zxagelvl	Teachers' age level	0.038	0.619	177
	zxhpos13	Teachers' possession	0.143	0.057	177
	zxlght	Teachers' source of lighting	0.046	0.539	177
	zxcondli	Teachers living condion	0.210	<u>0.005</u>	177
	zssex	School head sex	0.106	0.162	177
	zsagelvl	School head age level	0.012	0.869	177
MAL	ratotp	Pupil reading total raw score	1.000		140
	zxsex	Teachers' sex	0.301	<u>0.000</u>	136
	zxagelvl	Teachers' age level	-0.047	0.591	136
	zxhpos13	Teachers' possession	0.092	0.284	136
	zxlght	Teachers' source of lighting	0.059	0.496	136
	zxcondli	Teachers living condion	0.317	<u>0.000</u>	136
	zssex	School head sex	0.032	0.703	140
	zsagelvl	School head age level	-0.019	0.827	140
MAU	ratotp	Pupil reading total raw score	1.000		153
	zxsex	Teachers' sex	-0.111	0.170	153
	zxagelvl	Teachers' age level	0.185	<u>0.022</u>	153
	zxhpos13	Teachers' possession	0.179	<u>0.027</u>	153
	zxlght	Teachers' source of lighting	0.022	0.785	153
	zxcondli	Teachers living condion	.(a)	.	153



	zssex	School head sex	-0.065	0.424	153
	zsagelvl	School head age level	0.030	0.711	153
MOZ	ratotp	Pupil reading total raw score	1.000		176
	zxsex	Teachers' sex	0.163	<u>0.034</u>	170
	zxagelvl	Teachers' age level	0.033	0.669	171
	zxhpos13	Teachers' possession	0.176	<u>0.021</u>	171
	zxlght	Teachers' source of lighting	-0.029	0.709	171
	zxcondli	Teachers living condion	0.239	<u>0.002</u>	171
	zssex	School head sex	0.184	<u>0.017</u>	166
	zsagelvl	School head age level	0.202	<u>0.009</u>	167
NAM	ratotp	Pupil reading total raw score	1.000		270
	zxsex	Teachers' sex	0.080	0.192	270
	zxagelvl	Teachers' age level	0.180	<u>0.003</u>	270
	zxhpos13	Teachers' possession	0.587	<u>0.000</u>	270
	zxlght	Teachers' source of lighting	0.449	<u>0.000</u>	270
	zxcondli	Teachers living condion	0.469	<u>0.000</u>	270
	zssex	School head sex	-0.113	0.063	270
	zsagelvl	School head age level	0.050	0.416	270
SEY	ratotp	Pupil reading total raw score	1.000		24
	zxsex	Teachers' sex	0.074	0.733	24
	zxagelvl	Teachers' age level	0.356	0.088	24
	zxhpos13	Teachers' possession	0.279	0.187	24
	zxlght	Teachers' source of lighting	0.143	0.506	24
	zxcondli	Teachers living condion	.(a)	.	24
	zssex	School head sex	-0.058	0.787	24
	zsagelvl	School head age level	0.111	0.605	24
SOU	ratotp	Pupil reading total raw score	1.000		169
	zxsex	Teachers' sex	0.073	0.352	163
	zxagelvl	Teachers' age level	0.064	0.419	163
	zxhpos13	Teachers' possession	0.269	<u>0.001</u>	163
	zxlght	Teachers' source of lighting	0.303	<u>0.000</u>	163
	zxcondli	Teachers living condion	0.164	<u>0.036</u>	163
	zssex	School head sex	-0.078	0.317	167
	zsagelvl	School head age level	-0.076	0.331	167
SWA	ratotp	Pupil reading total raw score	1.000		168
	zxsex	Teachers' sex	-0.085	0.275	165
	zxagelvl	Teachers' age level	0.108	0.167	166
	zxhpos13	Teachers' possession	0.089	0.255	166
	zxlght	Teachers' source of lighting	0.094	0.229	166
	zxcondli	Teachers living condion	0.154	<u>0.047</u>	166
	zssex	School head sex	0.147	0.057	168
	zsagelvl	School head age level	0.110	0.156	168
TAN	ratotp	Pupil reading total raw score	1.000		181
	zxsex	Teachers' sex	0.241	<u>0.001</u>	173
	zxagelvl	Teachers' age level	0.083	0.272	178
	zxhpos13	Teachers' possession	0.131	0.081	178
	zxlght	Teachers' source of lighting	0.131	0.081	178
	zxcondli	Teachers living condion	0.302	<u>0.000</u>	178
	zssex	School head sex	0.166	<u>0.026</u>	181
	zsagelvl	School head age level	0.121	0.106	181
UGA	ratotp	Pupil reading total raw score	1.000		163
	zxsex	Teachers' sex	-0.095	0.311	115
	zxagelvl	Teachers' age level	0.102	0.263	122
	zxhpos13	Teachers' possession	-0.171	0.060	122



	zlight	Teachers' source of lighting	0.028	0.759	122
	zxcondli	Teachers living condion	0.010	0.914	122
	zssex	School head sex	0.139	0.077	162
	zsagelvl	School head age level	0.050	0.524	163
ZAM	ratotp	Pupil reading total raw score	1.000		173
	zxsex	Teachers' sex	0.306	<u>0.000</u>	170
	zxagelvl	Teachers' age level	-0.128	0.095	170
	zxhpos13	Teachers' possession	0.429	<u>0.000</u>	170
	zlight	Teachers' source of lighting	0.070	0.367	170
	zxcondli	Teachers living condion	0.376	<u>0.000</u>	170
	zssex	School head sex	0.337	<u>0.000</u>	169
	zsagelvl	School head age level	0.001	0.994	169
ZAN	ratotp	Pupil reading total raw score	1.000		145
	zxsex	Teachers' sex	0.006	0.948	134
	zxagelvl	Teachers' age level	-0.097	0.258	138
	zxhpos13	Teachers' possession	0.132	0.123	138
	zlight	Teachers' source of lighting	-0.096	0.260	138
	zxcondli	Teachers living condion	0.119	0.164	138
	zssex	School head sex	0.112	0.179	145
	zsagelvl	School head age level	-0.001	0.990	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 67**

**MOZAMBIQUE EXTERNAL TEACHING CONTEXT - READING**

Prov	Variable	Description	Pearson Corr	Sig	N	
CAB	ratotp	SCR:/ teacher reading-all total raw score	1.000		14	
	pexteng	P/Extra tuition-subject-English	-0.545	<u>0.044</u>	14	
	pextoth	P/Extra tuition-other subjects	0.277	0.337	14	
	zpextpay	R:/ paying for extra tuitions	-0.328	0.252	14	
	zslocati	R:/ school location	0.059	0.841	14	
	zsprati	D:/ pupils-teacher ratio	-0.334	0.244	14	
	bigshift	D:/ the maximum number of pupils among shifts	-0.489	0.076	14	
	zssessnu	D:/ the number of shifts	0.059	0.840	14	
	zspupgir	D:/ ratio girls	-0.004	0.988	14	
	sclass	S/# of classes	-0.436	0.119	14	
	sclass6	S/# of classes G6	-0.343	0.229	14	
	zsldgco	R:/ school building condition	-0.177	0.545	14	
	zstotot	D:/ the number of toilets	-0.357	0.210	14	
	zsr22	D:/ total school resources [max=22]	-0.055	0.851	14	
	sborrow	S/Pupils can borrow books	0.196	0.503	14	
	GAZ	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
		pexteng	P/Extra tuition-subject-English	-0.095	0.736	15
pextoth		P/Extra tuition-other subjects	-0.150	0.594	15	
zpextpay		R:/ paying for extra tuitions	-0.153	0.585	15	
zslocati		R:/ school location	0.316	0.251	15	
zsprati		D:/ pupils-teacher ratio	-0.093	0.742	15	
bigshift		D:/ the maximum number of pupils among shifts	-0.028	0.921	15	
zssessnu		D:/ the number of shifts	-0.246	0.376	15	
zspupgir		D:/ ratio girls	0.124	0.659	15	
sclass		S/# of classes	-0.154	0.583	15	
sclass6		S/# of classes G6	-0.077	0.785	15	
zsldgco		R:/ school building condition	-0.146	0.605	15	
zstotot		D:/ the number of toilets	-0.246	0.377	15	
zsr22		D:/ total school resources [max=22]	0.033	0.908	15	
sborrow		S/Pupils can borrow books	-0.364	0.182	15	
INH		ratotp	SCR:/ teacher reading-all total raw score	1.000		14
		pexteng	P/Extra tuition-subject-English	-0.523	0.055	14
	pextoth	P/Extra tuition-other subjects	-0.554	<u>0.040</u>	14	
	zpextpay	R:/ paying for extra tuitions	-0.332	0.247	14	
	zslocati	R:/ school location	0.096	0.756	13	
	zsprati	D:/ pupils-teacher ratio	-0.515	0.072	13	
	bigshift	D:/ the maximum number of pupils among shifts	0.018	0.953	13	
	zssessnu	D:/ the number of shifts	0.323	0.282	13	
	zspupgir	D:/ ratio girls	0.314	0.297	13	
	sclass	S/# of classes	0.142	0.642	13	
	sclass6	S/# of classes G6	-0.055	0.859	13	
	zsldgco	R:/ school building condition	-0.390	0.188	13	
	zstotot	D:/ the number of toilets	-0.084	0.786	13	
	zsr22	D:/ total school resources [max=22]	0.415	0.158	13	
	sborrow	S/Pupils can borrow books	-0.189	0.535	13	
	MAC	ratotp	SCR:/ teacher reading-all total raw score	1.000		20
		pexteng	P/Extra tuition-subject-English	0.060	0.802	20
pextoth		P/Extra tuition-other subjects	-0.011	0.962	20	
zpextpay		R:/ paying for extra tuitions	0.025	0.917	20	



	zslocati	R:/ school location	0.053	0.834	18
	zsprati	D:/ pupils-teacher ratio	-0.305	0.218	18
	bigshift	D:/ the maximum number of pupils among shifts	-0.175	0.488	18
	zssessnu	D:/ the number of shifts	0.021	0.935	18
	zspupgir	D:/ ratio girls	-0.278	0.264	18
	sclass	S/# of classes	-0.027	0.916	18
	sclass6	S/# of classes G6	-0.301	0.224	18
	zsldgco	R:/ school building condition	-0.255	0.308	18
	zstotot	D:/ the number of toilets	0.036	0.887	18
	zsr22	D:/ total school resources [max=22]	0.455	0.058	18
	sborrow	S/Pupils can borrow books	0.230	0.358	18
MAN	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.222	0.426	15
	pextoth	P/Extra tuition-other subjects	-0.513	0.051	15
	zpextpay	R:/ paying for extra tuitions	0.049	0.863	15
	zslocati	R:/ school location	0.178	0.600	11
	zsprati	D:/ pupils-teacher ratio	-0.397	0.227	11
	bigshift	D:/ the maximum number of pupils among shifts	0.280	0.404	11
	zssessnu	D:/ the number of shifts	0.049	0.887	11
	zspupgir	D:/ ratio girls	-0.334	0.316	11
	sclass	S/# of classes	0.271	0.421	11
	sclass6	S/# of classes G6	-0.028	0.936	11
	zsldgco	R:/ school building condition	-0.208	0.540	11
	zstotot	D:/ the number of toilets	0.498	0.119	11
	zsr22	D:/ total school resources [max=22]	0.257	0.445	11
	sborrow	S/Pupils can borrow books	0.422	0.196	11
MAP	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.268	0.334	15
	pextoth	P/Extra tuition-other subjects	-0.457	0.087	15
	zpextpay	R:/ paying for extra tuitions	-0.293	0.309	14
	zslocati	R:/ school location	0.384	0.158	15
	zsprati	D:/ pupils-teacher ratio	0.089	0.754	15
	bigshift	D:/ the maximum number of pupils among shifts	0.413	0.126	15
	zssessnu	D:/ the number of shifts	-0.409	0.131	15
	zspupgir	D:/ ratio girls	0.258	0.352	15
	sclass	S/# of classes	0.381	0.161	15
	sclass6	S/# of classes G6	0.357	0.191	15
	zsldgco	R:/ school building condition	-0.353	0.197	15
	zstotot	D:/ the number of toilets	0.028	0.922	15
	zsr22	D:/ total school resources [max=22]	0.311	0.258	15
	sborrow	S/Pupils can borrow books	0.114	0.686	15
NAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		20
	pexteng	P/Extra tuition-subject-English	-0.152	0.523	20
	pextoth	P/Extra tuition-other subjects	-0.170	0.473	20
	zpextpay	R:/ paying for extra tuitions	-0.041	0.868	19
	zslocati	R:/ school location	-0.355	0.124	20
	zsprati	D:/ pupils-teacher ratio	-0.136	0.568	20
	bigshift	D:/ the maximum number of pupils among shifts	-0.216	0.361	20
	zssessnu	D:/ the number of shifts	-0.263	0.263	20
	zspupgir	D:/ ratio girls	-0.157	0.507	20
	sclass	S/# of classes	-0.291	0.214	20
	sclass6	S/# of classes G6	-0.175	0.460	20
	zsldgco	R:/ school building condition	-0.025	0.916	20
	zstotot	D:/ the number of toilets	0.200	0.399	20



	zsrrot22	D:/ total school resources [max=22]	0.114	0.633	20
	sborrow	S/Pupils can borrow books	0.041	0.865	20
NIA	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.229	0.411	15
	pextoth	P/Extra tuition-other subjects	0.016	0.956	15
	zpextpay	R:/ paying for extra tuitions	0.320	0.246	15
	zslocati	R:/ school location	-0.219	0.451	14
	zsprati	D:/ pupils-teacher ratio	-0.118	0.689	14
	bigshift	D:/ the maximum number of pupils among shifts	-0.523	0.055	14
	zssessnu	D:/ the number of shifts	-0.599	<u>0.024</u>	14
	zspupgir	D:/ ratio girls	-0.316	0.271	14
	sclass	S/# of classes	-0.498	0.070	14
	sclass6	S/# of classes G6	-0.346	0.225	14
	zsbldgco	R:/ school building condition	0.312	0.278	14
	zstoitot	D:/ the number of toilets	0.112	0.704	14
	zsrrot22	D:/ total school resources [max=22]	-0.060	0.840	14
	sborrow	S/Pupils can borrow books	0.135	0.645	14
SOF	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	-0.061	0.828	15
	pextoth	P/Extra tuition-other subjects	-0.050	0.858	15
	zpextpay	R:/ paying for extra tuitions	0.193	0.491	15
	zslocati	R:/ school location	-0.163	0.563	15
	zsprati	D:/ pupils-teacher ratio	-0.201	0.473	15
	bigshift	D:/ the maximum number of pupils among shifts	0.011	0.969	15
	zssessnu	D:/ the number of shifts	-0.125	0.657	15
	zspupgir	D:/ ratio girls	-0.195	0.485	15
	sclass	S/# of classes	0.055	0.846	15
	sclass6	S/# of classes G6	0.327	0.234	15
	zsbldgco	R:/ school building condition	-0.051	0.858	15
	zstoitot	D:/ the number of toilets	-0.196	0.485	15
	zsrrot22	D:/ total school resources [max=22]	-0.082	0.770	15
	sborrow	S/Pupils can borrow books	-0.295	0.286	15
TET	ratotp	SCR:/ teacher reading-all total raw score	1.000		15
	pexteng	P/Extra tuition-subject-English	0.370	0.175	15
	pextoth	P/Extra tuition-other subjects	0.210	0.452	15
	zpextpay	R:/ paying for extra tuitions	-0.147	0.602	15
	zslocati	R:/ school location	0.057	0.839	15
	zsprati	D:/ pupils-teacher ratio	0.207	0.459	15
	bigshift	D:/ the maximum number of pupils among shifts	0.009	0.975	15
	zssessnu	D:/ the number of shifts	-0.077	0.784	15
	zspupgir	D:/ ratio girls	-0.092	0.745	15
	sclass	S/# of classes	0.013	0.964	15
	sclass6	S/# of classes G6	0.163	0.561	15
	zsbldgco	R:/ school building condition	0.506	0.054	15
	zstoitot	D:/ the number of toilets	0.160	0.570	15
	zsrrot22	D:/ total school resources [max=22]	0.079	0.779	15
	sborrow	S/Pupils can borrow books	-0.219	0.434	15
ZAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		18
	pexteng	P/Extra tuition-subject-English	-0.238	0.342	18
	pextoth	P/Extra tuition-other subjects	-0.371	0.129	18
	zpextpay	R:/ paying for extra tuitions	-0.588	<u>0.010</u>	18
	zslocati	R:/ school location	0.624	<u>0.006</u>	18
	zsprati	D:/ pupils-teacher ratio	-0.311	0.209	18





	bigshift	D:/ the maximum number of pupils among shifts	0.320	0.195	18
	zssessnu	D:/ the number of shifts	0.160	0.526	18
	zspupgir	D:/ ratio girls	0.278	0.264	18
	sclass	S/# of classes	0.223	0.373	18
	sclass6	S/# of classes G6	0.312	0.208	18
	zsbldgco	R:/ school building condition	-0.233	0.353	18
	zstoitot	D:/ the number of toilets	0.151	0.551	18
	zsrrot22	D:/ total school resources [max=22]	-0.011	0.965	18
	sborrow	S/Pupils can borrow books	-0.372	0.128	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

## APPENDIX 67

### MOZAMBIQUE EXTERNAL TEACHING CONTEXT - MATHEMATICS

Prov	Variable	Description	Pearson Corr	Sig	N
CAB	matot	SCR:/ teacher math-all total raw score	1		14
	pextmat	P/Extra tuition-subject-math	-0.186	0.525	14
	pextoth	P/Extra tuition-other subjects	0.004	0.99	14
	zpextpay	R:/ paying for extra tuitions	-0.183	0.532	14
	zslocati	R:/ school location	0.063	0.831	14
	zsprati	D:/ pupils-teacher ratio	-0.295	0.306	14
	bigshift	D:/ the maximum number of pupils among shifts	-0.370	0.192	14
	zssessnu	D:/ the number of shifts	0.075	0.798	14
	sclass	S/# of classes	-0.217	0.456	14
	sclass6	S/# of classes G6	-0.269	0.356	14
	zsbldgco	R:/ school building condition	-0.370	0.192	14
	zstoitot	D:/ the number of toilets	-0.314	0.274	14
	zsrrot22	D:/ total school resources [max=22]	-0.179	0.54	14
	sborrow	S/Pupils can borrow books	-0.038	0.898	14
GAZ	matot	SCR:/ teacher math-all total raw score	1		15
	pextmat	P/Extra tuition-subject-math	-0.245	0.379	15
	pextoth	P/Extra tuition-other subjects	-0.048	0.866	15
	zpextpay	R:/ paying for extra tuitions	-0.334	0.224	15
	zslocati	R:/ school location	0.307	0.265	15
	zsprati	D:/ pupils-teacher ratio	0.191	0.496	15
	bigshift	D:/ the maximum number of pupils among shifts	-0.059	0.835	15
	zssessnu	D:/ the number of shifts	-0.301	0.275	15
	sclass	S/# of classes	-0.228	0.414	15
	sclass6	S/# of classes G6	0.016	0.954	15
	zsbldgco	R:/ school building condition	-0.052	0.853	15
	zstoitot	D:/ the number of toilets	-0.137	0.626	15
	zsrrot22	D:/ total school resources [max=22]	-0.082	0.772	15
	sborrow	S/Pupils can borrow books	-0.566	0.028	15
INH	matot	SCR:/ teacher math-all total raw score	1		14
	pextmat	P/Extra tuition-subject-math	-0.529	0.052	14
	pextoth	P/Extra tuition-other subjects	-0.543	0.0445	14
	zpextpay	R:/ paying for extra tuitions	-0.241	0.4056	14
	zslocati	R:/ school location	0.042	0.891	13
	zsprati	D:/ pupils-teacher ratio	-0.445	0.128	13
	bigshift	D:/ the maximum number of pupils among shifts	0.18	0.556	13
	zssessnu	D:/ the number of shifts	0.311	0.301	13
	sclass	S/# of classes	0.241	0.427	13



	sclass6	S/# of classes G6	-0.122	0.69	13
	zsldgco	R:/ school building condition	-0.155	0.613	13
	zstot	D:/ the number of toilets	-0.091	0.769	13
	zsr22	D:/ total school resources [max=22]	0.179	0.559	13
	sborrow	S/Pupils can borrow books	-0.164	0.592	13
MAC	matot	SCR:/ teacher math-all total raw score	1		20
	pextmat	P/Extra tuition-subject-math	0.086	0.718	20
	pextoth	P/Extra tuition-other subjects	0.224	0.342	20
	zpextpay	R:/ paying for extra tuitions	0.245	0.299	20
	zslocati	R:/ school location	0.314	0.204	18
	zsprati	D:/ pupils-teacher ratio	0.133	0.598	18
	bigshift	D:/ the maximum number of pupils among shifts	0.201	0.424	18
	zssessnu	D:/ the number of shifts	0.256	0.305	18
	sclass	S/# of classes	0.407	0.094	18
	sclass6	S/# of classes G6	-0.14	0.581	18
	zsldgco	R:/ school building condition	0.168	0.505	18
	zstot	D:/ the number of toilets	0.239	0.34	18
	zsr22	D:/ total school resources [max=22]	0.34	0.168	18
	sborrow	S/Pupils can borrow books	0.004	0.986	18
MAN	matot	SCR:/ teacher math-all total raw score	1		15
	pexteng	P/Extra tuition-subject-math	0.431	0.109	15
	pextmat	P/Extra tuition-other subjects	-170	0.544	15
	zpextpay	R:/ paying for extra tuitions	0.375	0.168	15
	zslocati	R:/ school location	-0.022	0.95	11
	zsprati	D:/ pupils-teacher ratio	-0.133	0.697	11
	bigshift	D:/ the maximum number of pupils among shifts	-0.118	0.729	11
	zssessnu	D:/ the number of shifts	0.013	0.969	11
	sclass	S/# of classes	-0.108	0.752	11
	sclass6	S/# of classes G6	-0.268	0.425	11
	zsldgco	R:/ school building condition	0.258	0.444	11
	zstot	D:/ the number of toilets	0.076	0.824	11
	zsr22	D:/ total school resources [max=22]	-0.142	0.678	11
	sborrow	S/Pupils can borrow books	0.042	0.902	11
MAP	matot	SCR:/ teacher math-all total raw score	1		15
	pextmat	P/Extra tuition-subject-math	-0.044	0.877	15
	pextoth	P/Extra tuition-other subjects	0.028	0.921	15
	zpextpay	R:/ paying for extra tuitions	-0.212	0.467	14
	zslocati	R:/ school location	0.11	0.696	15
	zsprati	D:/ pupils-teacher ratio	0.134	0.633	15
	bigshift	D:/ the maximum number of pupils among shifts	0.058	0.837	15
	zssessnu	D:/ the number of shifts	-0.478	0.072	15
	sclass	S/# of classes	-50	0.859	15
	sclass6	S/# of classes G6	0.323	0.24	15
	zsldgco	R:/ school building condition	-0.474	0.075	15
	zstot	D:/ the number of toilets	0.259	0.352	15
	zsr22	D:/ total school resources [max=22]	0.570	0.027	15
	sborrow	S/Pupils can borrow books	0.613	0.015	15
NAM	matot	SCR:/ teacher math-all total raw score	1		20
	pextmat	P/Extra tuition-subject-math	-0.12	0.614	20
	pextoth	P/Extra tuition-other subjects	0.053	0.824	20
	zpextpay	R:/ paying for extra tuitions	-0.385	0.103	19
	zslocati	R:/ school location	-0.243	0.303	20
	zsprati	D:/ pupils-teacher ratio	-0.006	0.979	20



	bigshift	D:/ the maximum number of pupils among shifts	-0.124	0.602	20
	zssessnu	D:/ the number of shifts	-0.254	0.281	20
	sclass	S/# of classes	-0.211	0.372	20
	sclass6	S/# of classes G6	0.043	0.859	20
	zsldgco	R:/ school building condition	-0.017	0.945	20
	zstotot	D:/ the number of toilets	-0.138	0.562	20
	zsr22	D:/ total school resources [max=22]	-0.107	0.653	20
	sborrow	S/Pupils can borrow books	-0.274	0.242	20
NIA	matot	SCR:/ teacher math-all total raw score	1		15
	pextmat	P/Extra tuition-subject-math	-450	0.093	15
	pextoth	P/Extra tuition-other subjects	-0.0802	0.776	15
	zpextpay	R:/ paying for extra tuitions	0.35	0.201	15
	zslocati	R:/ school location	-0.147	0.617	14
	zsprati	D:/ pupils-teacher ratio	0.171	0.559	14
	bigshift	D:/ the maximum number of pupils among shifts	-0.172	0.556	14
	zssessnu	D:/ the number of shifts	-0.183	0.531	14
	sclass	S/# of classes	-0.105	0.721	14
	sclass6	S/# of classes G6	-0.495	0.072	14
	zsldgco	R:/ school building condition	0.211	0.468	14
	zstotot	D:/ the number of toilets	-0.003	0.992	14
	zsr22	D:/ total school resources [max=22]	-0.241	0.406	14
	sborrow	S/Pupils can borrow books	-0.254	0.381	14
SOF	matot	SCR:/ teacher math-all total raw score	1		15
	pextmat	P/Extra tuition-subject-math	-0.442	0.099	15
	pextoth	P/Extra tuition-other subjects	0.032	0.909	15
	zpextpay	R:/ paying for extra tuitions	0.37	0.175	15
	zslocati	R:/ school location	-0.424	0.115	15
	zsprati	D:/ pupils-teacher ratio	0.271	0.328	15
	bigshift	D:/ the maximum number of pupils among shifts	-0.337	0.219	15
	zssessnu	D:/ the number of shifts	0.113	0.688	15
	sclass	S/# of classes	-0.236	0.397	15
	sclass6	S/# of classes G6	-0.125	0.657	15
	zsldgco	R:/ school building condition	0.106	0.707	15
	zstotot	D:/ the number of toilets	-0.097	0.732	15
	zsr22	D:/ total school resources [max=22]	-0.406	0.133	15
	sborrow	S/Pupils can borrow books	-0.324	0.239	15
TET	matot	SCR:/ teacher math-all total raw score	1		15
	pextmat	P/Extra tuition-subject-math	0.253	0.363	15
	pextoth	P/Extra tuition-other subjects	0.149	0.596	15
	zpextpay	R:/ paying for extra tuitions	0.018	0.949	15
	zslocati	R:/ school location	-0.407	0.132	15
	zsprati	D:/ pupils-teacher ratio	0.008	0.978	15
	bigshift	D:/ the maximum number of pupils among shifts	-0.353	0.197	15
	zssessnu	D:/ the number of shifts	-0.163	0.563	15
	sclass	S/# of classes	-0.236	0.396	15
	sclass6	S/# of classes G6	-0.331	0.229	15
	zsldgco	R:/ school building condition	0.067	0.811	15
	zstotot	D:/ the number of toilets	-0.136	0.628	15
	zsr22	D:/ total school resources [max=22]	-0.474	0.074	15
	sborrow	S/Pupils can borrow books	-0.419	0.12	15
ZAM	matot	SCR:/ teacher math-all total raw score	1		18
	pextmat	P/Extra tuition-subject-math	0.025	0.923	18
	pextoth	P/Extra tuition-other subjects	-0.415	0.087	18



zpextpay	R:/ paying for extra tuitions	-501	0.035	18
zslocati	R:/ school location	0.471	0.048	18
zsptrati	D:/ pupils-teacher ratio	-0.385	0.115	18
bigshift	D:/ the maximum number of pupils among shifts	0.022	0.929	18
zssessnu	D:/ the number of shifts	-0.065	0.798	18
sclass	S/# of classes	0.009	0.969	18
sclass6	S/# of classes G6	0.095	0.709	18
zsbldgco	R:/ school building condition	-0.307	0.215	18
zstotot	D:/ the number of toilets	0.056	0.827	18
zsrto22	D:/ total school resources [max=22]	-0.049	0.846	18
sborrow	S/Pupils can borrow books	-0.2101	0.403	18



**APPENDIX 68**  
**MOZAMBIQUE INTERNAL TEACHING CONTEXT - READING**

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ Pupil math-all total raw score	1.000		14
	zpborrow	R:/ borrow books	-0.014	0.963	14
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.090	0.759	14
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.321	0.264	14
	zpsit	R:/ sitting place	0.529	0.052	14
	zpwite	R:/ writing place	0.613	<u>0.020</u>	14
	zphmwkr	R:/ being given reading homework	0.115	0.696	14
	zphmwkrc	R:/ being corrected reading homework	0.135	0.646	14
	zptextr	R:/ sharing/owning reading textbooks	0.497	0.071	14
	xclsize	D:/Reading class size	-0.417	0.138	14
	zxyclbks	D:/ the number of classroom books	0.016	0.956	14
	zxclfurn	D:/ reading teacher total class furniture [max=5]	-0.100	0.733	14
	zxclres8	D:/ reading teacher total class resources [max=8]	-0.062	0.833	14
	fx1zxaccess	Teachers' access to material	-0.300	0.298	14
	fx2zxaccess	Teachers' access to material	-0.135	0.645	14
	xperiods	T/Periods/week	0.033	0.911	14
	xminutes	T/Minutes/lesson	.(a)	.	14
	speriods	S/# Periods	-0.523	0.055	14
	sminutes	S/Minutes/periods	.(a)	.	14
	GAZ	ratotp	SCR:/ Pupil math-all total raw score	1.000	
zpborrow		R:/ borrow books	-0.275	0.321	15
fx1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.029	0.917	15
fx2zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.010	0.971	15
zpsit		R:/ sitting place	-0.005	0.985	15
zpwite		R:/ writing place	-0.001	0.997	15
zphmwkr		R:/ being given reading homework	0.092	0.744	15
zphmwkrc		R:/ being corrected reading homework	-0.025	0.929	15
zptextr		R:/ sharing/owning reading textbooks	0.417	0.122	15
xclsize		D:/Reading class size	-0.153	0.586	15
zxyclbks		D:/ the number of classroom books	-0.220	0.450	14
zxclfurn		D:/ reading teacher total class furniture [max=5]	-0.602	<u>0.023</u>	14
zxclres8		D:/ reading teacher total class resources [max=8]	-0.222	0.445	14
fx1zxaccess		Teachers' access to material	0.347	0.225	14
fx2zxaccess		Teachers' access to material	-0.312	0.277	14
xperiods		T/Periods/week	-0.345	0.228	14
xminutes		T/Minutes/lesson	.(a)	.	14
speriods		S/# Periods	-0.639	<u>0.010</u>	15
sminutes		S/Minutes/periods	-0.076	0.795	14
INH		ratotp	SCR:/ Pupil math-all total raw score	1.000	
	zpborrow	R:/ borrow books	-0.068	0.826	13
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.393	0.165	14
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.507	0.064	14
	zpsit	R:/ sitting place	0.145	0.620	14
	zpwite	R:/ writing place	0.140	0.634	14
	zphmwkr	R:/ being given reading homework	0.258	0.373	14
	zphmwkrc	R:/ being corrected reading homework	0.024	0.935	14
	zptextr	R:/ sharing/owning reading textbooks	0.078	0.791	14
	xclsize	D:/Reading class size	-0.511	0.062	14
	zxyclbks	D:/ the number of classroom books	0.335	0.287	12
	zxclfurn	D:/ reading teacher total class furniture [max=5]	-0.219	0.473	13
	zxclres8	D:/ reading teacher total class resources [max=8]	-0.063	0.838	13
	fx1zxaccess	Teachers' access to material	-0.012	0.968	14
	fx2zxaccess	Teachers' access to material	-0.448	0.108	14
	xperiods	T/Periods/week	-0.427	0.127	14
	xminutes	T/Minutes/lesson	.(a)	.	14
	speriods	S/# Periods	-0.246	0.417	13
	sminutes	S/Minutes/periods	-0.117	0.704	13
	MAC	ratotp	SCR:/ Pupil math-all total raw score	1.000	
zpborrow		R:/ borrow books	0.338	0.171	18
fx1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.021	0.930	20



	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.252	0.284	20
	zpsit	R:/ sitting place	0.270	0.250	20
	zpwite	R:/ writing place	0.254	0.279	20
	zphmwkr	R:/ being given reading homework	0.352	0.128	20
	zphmwkrc	R:/ being corrected reading homework	0.132	0.579	20
	zptextr	R:/ sharing/owning reading textbooks	0.314	0.178	20
	xclsize	D:/Reading class size	-0.300	0.199	20
	zxyclbks	D:/ the number of classroom books	0.254	0.310	18
	zxclfurn	D:/ reading teacher total class furniture [max=5]	0.091	0.720	18
	zxcres8	D:/ reading teacher total class resources [max=8]	0.082	0.745	18
	fx1zxaccess	Teachers' access to material	-0.319	0.171	20
	fx2zxaccess	Teachers' access to material	0.006	0.980	20
	xperiods	T/Periods/week	-0.319	0.170	20
	xminutes	T/Minutes/lesson	-0.130	0.584	20
	speriods	S/# Periods	-0.298	0.230	18
	sminutes	S/Minutes/periods	-0.286	0.250	18
MAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.522	0.100	11
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.032	0.909	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.140	0.618	15
	zpsit	R:/ sitting place	0.355	0.194	15
	zpwite	R:/ writing place	-0.181	0.519	15
	zphmwkr	R:/ being given reading homework	0.070	0.805	15
	zphmwkrc	R:/ being corrected reading homework	0.675	0.006	15
	zptextr	R:/ sharing/owning reading textbooks	-0.171	0.543	15
	xclsize	D:/Reading class size	0.176	0.531	15
	zxyclbks	D:/ the number of classroom books	0.362	0.275	11
	zxclfurn	D:/ reading teacher total class furniture [max=5]	0.717	0.013	11
	zxcres8	D:/ reading teacher total class resources [max=8]	0.520	0.101	11
	fx1zxaccess	Teachers' access to material	-0.049	0.867	14
	fx2zxaccess	Teachers' access to material	-0.075	0.798	14
	xperiods	T/Periods/week	-0.355	0.213	14
	xminutes	T/Minutes/lesson	.(a)	.	14
	speriods	S/# Periods	-0.400	0.222	11
	sminutes	S/Minutes/periods	-0.422	0.196	11
MAP	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	-0.293	0.289	15
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.040	0.888	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.107	0.705	15
	zpsit	R:/ sitting place	0.197	0.482	15
	zpwite	R:/ writing place	0.153	0.586	15
	zphmwkr	R:/ being given reading homework	0.005	0.986	15
	zphmwkrc	R:/ being corrected reading homework	-0.092	0.744	15
	zptextr	R:/ sharing/owning reading textbooks	0.317	0.250	15
	xclsize	D:/Reading class size	-0.068	0.809	15
	zxyclbks	D:/ the number of classroom books	-0.019	0.947	15
	zxclfurn	D:/ reading teacher total class furniture [max=5]	0.612	0.015	15
	zxcres8	D:/ reading teacher total class resources [max=8]	0.253	0.362	15
	fx1zxaccess	Teachers' access to material	-0.002	0.993	15
	fx2zxaccess	Teachers' access to material	0.095	0.737	15
	xperiods	T/Periods/week	0.102	0.717	15
	xminutes	T/Minutes/lesson	-0.747	0.001	15
	speriods	S/# Periods	-0.117	0.678	15
	sminutes	S/Minutes/periods	-0.024	0.931	15
NAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		20
	zpborrow	R:/ borrow books	0.017	0.945	19
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.007	0.977	20
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.086	0.717	20
	zpsit	R:/ sitting place	0.070	0.769	20
	zpwite	R:/ writing place	0.060	0.800	20
	zphmwkr	R:/ being given reading homework	-0.104	0.662	20
	zphmwkrc	R:/ being corrected reading homework	-0.072	0.762	20
	zptextr	R:/ sharing/owning reading textbooks	-0.110	0.644	20
	xclsize	D:/Reading class size	-0.045	0.849	20



	zxcylbks	D:/ the number of classroom books	0.259	0.271	20
	zxcifurn	D:/ reading teacher total class furniture [max=5]	-0.278	0.236	20
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.138	0.563	20
	fx1zxaccess	Teachers' access to material	-0.136	0.568	20
	fx2zxaccess	Teachers' access to material	0.076	0.750	20
	xperiods	T/Periods/week	-0.211	0.372	20
	xminutes	T/Minutes/lesson	.(a)	.	20
	speriods	S/# Periods	-0.216	0.360	20
	sminutes	S/Minutes/periods	-0.012	0.959	20
NIA	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.003	0.991	14
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.157	0.577	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.230	0.411	15
	zpsit	R:/ sitting place	-0.063	0.823	15
	zpwite	R:/ writing place	-0.215	0.442	15
	zphmwkr	R:/ being given reading homework	-0.194	0.489	15
	zphmwkrc	R:/ being corrected reading homework	0.178	0.525	15
	zptextr	R:/ sharing/owning reading textbooks	-0.013	0.963	15
	xclsize	D:/Reading class size	-0.354	0.195	15
	zxcylbks	D:/ the number of classroom books	0.184	0.546	13
	zxcifurn	D:/ reading teacher total class furniture [max=5]	-0.425	0.130	14
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.382	0.177	14
	fx1zxaccess	Teachers' access to material	0.116	0.682	15
	fx2zxaccess	Teachers' access to material	0.116	0.680	15
	xperiods	T/Periods/week	0.114	0.685	15
	xminutes	T/Minutes/lesson	.(a)	.	15
	speriods	S/# Periods	-0.238	0.412	14
	sminutes	S/Minutes/periods	-0.272	0.347	14
SOF	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.069	0.806	15
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.059	0.835	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.151	0.590	15
	zpsit	R:/ sitting place	0.465	0.081	15
	zpwite	R:/ writing place	0.439	0.101	15
	zphmwkr	R:/ being given reading homework	-0.040	0.888	15
	zphmwkrc	R:/ being corrected reading homework	0.065	0.818	15
	zptextr	R:/ sharing/owning reading textbooks	-0.008	0.978	15
	xclsize	D:/Reading class size	-0.485	0.067	15
	zxcylbks	D:/ the number of classroom books	-0.338	0.237	14
	zxcifurn	D:/ reading teacher total class furniture [max=5]	-0.005	0.987	14
	zxcres8	D:/ reading teacher total class resources [max=8]	0.081	0.782	14
	fx1zxaccess	Teachers' access to material	0.447	0.109	14
	fx2zxaccess	Teachers' access to material	0.208	0.476	14
	xperiods	T/Periods/week	-0.361	0.205	14
	xminutes	T/Minutes/lesson	0.250	0.389	14
	speriods	S/# Periods	-0.019	0.947	15
	sminutes	S/Minutes/periods	-0.322	0.242	15
TET	ratotp	SCR:/ Pupil math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.277	0.318	15
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.091	0.748	15
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.353	0.197	15
	zpsit	R:/ sitting place	0.588	0.021	15
	zpwite	R:/ writing place	0.573	0.025	15
	zphmwkr	R:/ being given reading homework	-0.272	0.328	15
	zphmwkrc	R:/ being corrected reading homework	-0.030	0.915	15
	zptextr	R:/ sharing/owning reading textbooks	-0.083	0.770	15
	xclsize	D:/Reading class size	-0.272	0.326	15
	zxcylbks	D:/ the number of classroom books	-0.391	0.149	15
	zxcifurn	D:/ reading teacher total class furniture [max=5]	0.389	0.152	15
	zxcres8	D:/ reading teacher total class resources [max=8]	0.339	0.216	15
	fx1zxaccess	Teachers' access to material	0.431	0.108	15
	fx2zxaccess	Teachers' access to material	-0.215	0.442	15
	xperiods	T/Periods/week	-0.056	0.844	15
	xminutes	T/Minutes/lesson	.(a)	.	15



	speriods	S/# Periods	0.410	0.129	15
	sminutes	S/Minutes/periods	0.423	0.116	15
ZAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		18
	zpborrow	R:/ borrow books	-0.086	0.741	17
	fx1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.550	<u>0.018</u>	18
	fx2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.008	0.974	18
	zpsit	R:/ sitting place	-0.086	0.736	18
	zpwite	R:/ writing place	-0.037	0.884	18
	zphmwkr	R:/ being given reading homework	-0.004	0.988	18
	zphmwkrc	R:/ being corrected reading homework	-0.179	0.478	18
	zptextr	R:/ sharing/owning reading textbooks	0.198	0.430	18
	xclsize	D:/Reading class size	0.006	0.980	18
	zxyclbks	D:/ the number of classroom books	-0.179	0.476	18
	zxcifurn	D:/ reading teacher total class furniture [max=5]	0.184	0.465	18
	zxcres8	D:/ reading teacher total class resources [max=8]	0.090	0.722	18
	fx1zxaccess	Teachers' access to material	0.417	0.085	18
	fx2zxaccess	Teachers' access to material	0.121	0.631	18
	xperiods	T/Periods/week	0.074	0.769	18
	xminutes	T/Minutes/lesson	.(a)	.	18
	speriods	S/# Periods	-0.354	0.149	18
	sminutes	S/Minutes/periods	-0.072	0.777	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant

## APPENDIX 68

### MOZAMBIQUE INTERNAL TEACHING CONTEXT - MATHEMATICS

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zpborrow	R:/ borrow books	-0.037	0.901	14
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.050	0.865	14
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.581	<u>0.030</u>	14
	zpsit	R:/ sitting place	0.346	0.226	14
	zpwite	R:/ writing place	0.441	0.114	14
	zphmwkm	R:/ being given mathematics homework	-0.066	0.823	14
	zphmwkmc	R:/ being corrected mathematics homework	0.213	0.464	14
	zptextm	R:/ sharing/owning mathematics textbooks	0.439	0.116	14
	yclsize	D:/Mathematics class size	-0.475	0.086	14
	zxyclbks	D:/ the number of classroom books	-0.333	0.245	14
	zycifurn	D:/ math teacher total class furniture [max=5]	0.303	0.292	14
	zycres8	D:/ math teacher total class resources [max=8]	0.205	0.481	14
	fyaccess	Math teacher access (factor)	-0.006	0.985	14
	yperiods	T/Periods/week	-0.390	0.168	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	-0.566	<u>0.035</u>	14
	sminutes	S/Minutes/periods	.(a)	.	14
GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	-0.329	0.231	15
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.323	0.240	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.240	0.390	15
	zpsit	R:/ sitting place	-0.140	0.619	15
	zpwite	R:/ writing place	-0.122	0.664	15
	zphmwkm	R:/ being given mathematics homework	-0.123	0.663	15
	zphmwkmc	R:/ being corrected mathematics homework	0.514	0.050	15
	zptextm	R:/ sharing/owning mathematics textbooks	-0.030	0.917	15
	yclsize	D:/Mathematics class size	-0.067	0.813	15
	zxyclbks	D:/ the number of classroom books	-0.304	0.291	14
	zycifurn	D:/ math teacher total class furniture [max=5]	-0.342	0.231	14
	zycres8	D:/ math teacher total class resources [max=8]	-0.070	0.813	14
	fyaccess	Math teacher access (factor)	0.128	0.663	14
	yperiods	T/Periods/week	-0.580	<u>0.030</u>	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	-0.603	<u>0.017</u>	15





	sminutes	S/Minutes/periods	0.069	0.815	14	
INH	matotp	SCR:/ teacher math-all total raw score	1.000		14	
	zpborrow	R:/ borrow books	-0.012	0.968	13	
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.536	<u>0.048</u>	14	
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.204	0.483	14	
	zpsit	R:/ sitting place	-0.220	0.449	14	
	zpwite	R:/ writing place	-0.186	0.525	14	
	zphmwkm	R:/ being given mathematics homework	-0.228	0.433	14	
	zphmwkmc	R:/ being corrected mathematics homework	-0.298	0.301	14	
	zptextm	R:/ sharing/owning mathematics textbooks	-0.548	<u>0.043</u>	14	
	yclsize	D:/Mathematics class size	-0.280	0.333	14	
	zxyclbks	D:/ the number of classroom books	0.187	0.560	12	
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.000	1.000	12	
	zyclres8	D:/ math teacher total class resources [max=8]	0.021	0.948	12	
	fyaccess	Math teacher access (factor)	-0.462	0.112	13	
	yperiods	T/Periods/week	-0.247	0.416	13	
	yminutes	S/Minutes/periods	.(a)	.	13	
	speriods	School head number of periods	-0.418	0.155	13	
	sminutes	S/Minutes/periods	-0.356	0.232	13	
	MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20
		zpborrow	R:/ borrow books	0.452	0.060	18
fy1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.238	0.312	20	
fy2zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.011	0.963	20	
zpsit		R:/ sitting place	0.160	0.501	20	
zpwite		R:/ writing place	0.203	0.390	20	
zphmwkm		R:/ being given mathematics homework	0.340	0.142	20	
zphmwkmc		R:/ being corrected mathematics homework	0.141	0.554	20	
zptextm		R:/ sharing/owning mathematics textbooks	0.088	0.713	20	
yclsize		D:/Mathematics class size	-0.408	0.074	20	
zxyclbks		D:/ the number of classroom books	0.304	0.220	18	
zyclfurn		D:/ math teacher total class furniture [max=5]	-0.447	0.063	18	
zyclres8		D:/ math teacher total class resources [max=8]	-0.354	0.149	18	
fyaccess		Math teacher access (factor)	-0.024	0.921	20	
yperiods		T/Periods/week	-0.106	0.657	20	
yminutes		S/Minutes/periods	.(a)	.	20	
speriods		School head number of periods	-0.112	0.659	18	
sminutes		S/Minutes/periods	-0.029	0.910	18	
MAN		matotp	SCR:/ teacher math-all total raw score	1.000		15
		zpborrow	R:/ borrow books	0.395	0.229	11
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.077	0.786	15	
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.141	0.615	15	
	zpsit	R:/ sitting place	0.394	0.147	15	
	zpwite	R:/ writing place	-0.139	0.622	15	
	zphmwkm	R:/ being given mathematics homework	0.277	0.318	15	
	zphmwkmc	R:/ being corrected mathematics homework	0.542	<u>0.037</u>	15	
	zptextm	R:/ sharing/owning mathematics textbooks	0.055	0.846	15	
	yclsize	D:/Mathematics class size	-0.144	0.608	15	
	zxyclbks	D:/ the number of classroom books	0.034	0.921	11	
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.162	0.634	11	
	zyclres8	D:/ math teacher total class resources [max=8]	0.210	0.535	11	
	fyaccess	Math teacher access (factor)	-0.464	0.094	14	
	yperiods	T/Periods/week	-0.538	<u>0.047</u>	14	
	yminutes	S/Minutes/periods	.(a)	.	14	
	speriods	School head number of periods	-0.034	0.920	11	
	sminutes	S/Minutes/periods	-0.042	0.902	11	
	MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zpborrow	R:/ borrow books	0.172	0.541	15
fy1zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.020	0.944	15	
fy2zpmat		Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.379	0.164	15	
zpsit		R:/ sitting place	0.296	0.284	15	
zpwite		R:/ writing place	-0.105	0.709	15	
zphmwkm		R:/ being given mathematics homework	0.322	0.242	15	
zphmwkmc		R:/ being corrected mathematics homework	0.550	<u>0.033</u>	15	
zptextm		R:/ sharing/owning mathematics textbooks	0.333	0.226	15	



	yclsiz	D:/Mathematics class size	0.158	0.573	15
	zxyclbks	D:/ the number of classroom books	0.349	0.202	15
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.701	0.004	15
	zyclres8	D:/ math teacher total class resources [max=8]	0.440	0.101	15
	fyaccess	Math teacher access (factor)	0.259	0.350	15
	yperiods	T/Periods/week	0.174	0.534	15
	yminutes	S/Minutes/periods	-0.551	0.033	15
	speriods	School head number of periods	-0.362	0.185	15
	sminutes	S/Minutes/periods	-0.292	0.291	15
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zpborrow	R:/ borrow books	-0.202	0.407	19
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.077	0.746	20
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.162	0.495	20
	zpsit	R:/ sitting place	0.076	0.752	20
	zpwite	R:/ writing place	0.080	0.736	20
	zphmwkm	R:/ being given mathematics homework	0.042	0.861	20
	zphmwkmc	R:/ being corrected mathematics homework	-0.064	0.790	20
	zptextm	R:/ sharing/owning mathematics textbooks	0.011	0.964	20
	yclsiz	D:/Mathematics class size	-0.214	0.366	20
	zxyclbks	D:/ the number of classroom books	0.007	0.975	20
	zyclfurn	D:/ math teacher total class furniture [max=5]	-0.259	0.270	20
	zyclres8	D:/ math teacher total class resources [max=8]	-0.177	0.454	20
	fyaccess	Math teacher access (factor)	-0.023	0.922	20
	yperiods	T/Periods/week	0.104	0.662	20
	yminutes	S/Minutes/periods	.(a)	.	20
	speriods	School head number of periods	0.013	0.957	20
	sminutes	S/Minutes/periods	0.146	0.540	20
NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.147	0.617	14
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.175	0.534	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.102	0.717	15
	zpsit	R:/ sitting place	-0.223	0.424	15
	zpwite	R:/ writing place	-0.297	0.282	15
	zphmwkm	R:/ being given mathematics homework	-0.358	0.190	15
	zphmwkmc	R:/ being corrected mathematics homework	-0.099	0.725	15
	zptextm	R:/ sharing/owning mathematics textbooks	-0.085	0.763	15
	yclsiz	D:/Mathematics class size	-0.455	0.089	15
	zxyclbks	D:/ the number of classroom books	0.307	0.308	13
	zyclfurn	D:/ math teacher total class furniture [max=5]	-0.354	0.235	13
	zyclres8	D:/ math teacher total class resources [max=8]	-0.238	0.433	13
	fyaccess	Math teacher access (factor)	0.102	0.729	14
	yperiods	T/Periods/week	-0.031	0.916	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	-0.537	0.048	14
	sminutes	S/Minutes/periods	-0.440	0.116	14
SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpborrow	R:/ borrow books	0.187	0.504	15
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.265	0.341	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.112	0.690	15
	zpsit	R:/ sitting place	0.425	0.115	15
	zpwite	R:/ writing place	0.393	0.147	15
	zphmwkm	R:/ being given mathematics homework	-0.185	0.509	15
	zphmwkmc	R:/ being corrected mathematics homework	0.029	0.917	15
	zptextm	R:/ sharing/owning mathematics textbooks	0.084	0.766	15
	yclsiz	D:/Mathematics class size	-0.342	0.212	15
	zxyclbks	D:/ the number of classroom books	-0.194	0.507	14
	zyclfurn	D:/ math teacher total class furniture [max=5]	-0.461	0.097	14
	zyclres8	D:/ math teacher total class resources [max=8]	-0.148	0.613	14
	fyaccess	Math teacher access (factor)	0.462	0.096	14
	yperiods	T/Periods/week	0.439	0.117	14
	yminutes	S/Minutes/periods	.(a)	.	14
	speriods	School head number of periods	0.223	0.424	15
	sminutes	S/Minutes/periods	-0.145	0.607	15
TET	matotp	SCR:/ teacher math-all total raw score	1.000		15



	zpborrow	R:/ borrow books	0.057	0.839	15
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler	0.347	0.205	15
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler	-0.217	0.436	15
	zpsit	R:/ sitting place	0.299	0.279	15
	zpwrite	R:/ writing place	0.297	0.282	15
	zphmwkm	R:/ being given mathematics homework	-0.321	0.243	15
	zphmwkmc	R:/ being corrected mathematics homework	0.366	0.180	15
	zptextm	R:/ sharing/owning mathematics textbooks	-0.190	0.497	15
	yclsize	D:/Mathematics class size	-0.355	0.194	15
	zxcylbks	D:/ the number of classroom books	-0.378	0.165	15
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.314	0.254	15
	zycres8	D:/ math teacher total class resources [max=8]	0.147	0.601	15
	fyaccess	Math teacher access (factor)	-0.067	0.813	15
	yperiods	T/Periods/week	-0.142	0.614	15
	yminutes	S/Minutes/periods	.(a)	.	15
	speriods	School head number of periods	0.366	0.180	15
	sminutes	S/Minutes/periods	0.343	0.210	15
ZAM	matotp	SCR:/ teacher math-all total raw score	1.000		18
	zpborrow	R:/ borrow books	-0.063	0.810	17
	fy1zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler	-0.332	0.178	18
	fy2zpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler	0.044	0.863	18
	zpsit	R:/ sitting place	-0.095	0.709	18
	zpwrite	R:/ writing place	-0.057	0.823	18
	zphmwkm	R:/ being given mathematics homework	0.160	0.525	18
	zphmwkmc	R:/ being corrected mathematics homework	0.140	0.580	18
	zptextm	R:/ sharing/owning mathematics textbooks	0.114	0.653	18
	yclsize	D:/Mathematics class size	-0.080	0.753	18
	zxcylbks	D:/ the number of classroom books	-0.006	0.982	18
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.338	0.170	18
	zycres8	D:/ math teacher total class resources [max=8]	0.238	0.341	18
	fyaccess	Math teacher access (factor)	0.396	0.104	18
	yperiods	T/Periods/week	-0.164	0.516	18
	yminutes	S/Minutes/periods	-0.352	0.152	18
	speriods	School head number of periods	-0.227	0.366	18
	sminutes	S/Minutes/periods	-0.025	0.923	18

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant

## APPENDIX 69

### SACMEQ EXTERNAL TEACHING CONTEXT - READING

Countries	Variables	Description	Pearson Corr	Sig. (2- tailed)	N	
BOT	ratotp	SCR:/ teacher reading-all total raw score	1.000		170	
	pexteng	P/Extra tuition-subject-English	0.167	0.03	170	
	pextoth	P/Extra tuition-other subjects	0.167	<u>0.030</u>	170	
	zpextpay	R:/ paying for extra tuitions	-0.117	0.138	161	
	zslocati	R:/ school location	0.435	<u>0.000</u>	170	
	zsprati	D:/ pupils-teacher ratio	-0.236	<u>0.002</u>	170	
	bigshift	D:/ the maximum number of pupils among shift	0.055	0.478	170	
	zssessnu	D:/ the number of shifts	-0.037	0.634	170	
	sclass	S/# of classes	0.107	0.166	170	
	sclass6	S/# of classes G6	-0.006	0.941	170	
	zsbldgco	R:/ school building conditior	-0.071	0.355	170	
	zstoitot	D:/ the number of toilets	0.421	<u>0.000</u>	170	
	zsrto22	D:/ total school resources [max=22]	0.555	<u>0.000</u>	170	
	sborrow	S/Pupils can borrow books	0.322	<u>0.000</u>	170	
	KEN	ratotp	SCR:/ teacher reading-all total raw score	1.000		185
		pexteng	P/Extra tuition-subject-English	0.024	0.746	185
pextoth		P/Extra tuition-other subjects	0.055	0.454	185	
zpextpay		R:/ paying for extra tuitions	-0.057	0.448	181	
zslocati		R:/ school location	0.400	<u>0.000</u>	184	
zsprati		D:/ pupils-teacher ratio	-0.348	<u>0.000</u>	184	
bigshift		D:/ the maximum number of pupils among shift	0.140	0.057	184	
zssessnu		D:/ the number of shifts	-0.037	0.614	184	
sclass		S/# of classes	0.140	0.058	184	
sclass6		S/# of classes G6	0.239	<u>0.001</u>	184	
zsbldgco		R:/ school building conditior	-0.272	<u>0.000</u>	184	
zstoitot		D:/ the number of toilets	0.382	<u>0.000</u>	184	
zsrto22		D:/ total school resources [max=22]	0.504	<u>0.000</u>	184	
sborrow		S/Pupils can borrow books	0.212	<u>0.004</u>	184	
LES		ratotp	SCR:/ teacher reading-all total raw score	1.000		177
		pexteng	P/Extra tuition-subject-English	0.127	0.091	177
	pextoth	P/Extra tuition-other subjects	0.072	0.343	177	
	zpextpay	R:/ paying for extra tuitions	-0.128	0.144	131	
	zslocati	R:/ school location	0.381	<u>0.000</u>	177	
	zsprati	D:/ pupils-teacher ratio	-0.099	0.188	177	
	bigshift	D:/ the maximum number of pupils among shift	0.189	<u>0.012</u>	177	
	zssessnu	D:/ the number of shifts	.(a)	.	177	
	sclass	S/# of classes	0.122	0.106	177	
	sclass6	S/# of classes G6	0.161	<u>0.032</u>	177	
	zsbldgco	R:/ school building conditior	-0.129	0.086	177	
	zstoitot	D:/ the number of toilets	0.156	<u>0.038</u>	177	
	zsrto22	D:/ total school resources [max=22]	0.462	<u>0.000</u>	177	
	sborrow	S/Pupils can borrow books	0.100	0.185	177	
	MAL	ratotp	SCR:/ teacher reading-all total raw score	1.000		140
		pexteng	P/Extra tuition-subject-English	0.062	0.466	140
pextoth		P/Extra tuition-other subjects	-0.068	0.426	140	



	zpextpay	R:/ paying for extra tuitions	-0.031	0.728	129
	zslocati	R:/ school location	0.370	0.000	140
	zsptrati	D:/ pupils-teacher ratio	-0.169	0.046	140
	bigshift	D:/ the maximum number of pupils among shift	0.310	0.000	140
	zsessnu	D:/ the number of shifts	0.126	0.138	140
	sclass	S/# of classes	0.256	0.002	140
	sclass6	S/# of classes G6	0.321	0.000	140
	zsbldgco	R:/ school building condition	-0.011	0.896	140
	zstoitot	D:/ the number of toilets	0.308	0.000	140
	zsrto22	D:/ total school resources [max=22]	0.348	0.000	140
	sborrow	S/Pupils can borrow books	0.122	0.152	140
MAU	ratotp	SCR:/ teacher reading-all total raw score	1.000		153
	pexteng	P/Extra tuition-subject-English	0.226	0.005	153
	pextoth	P/Extra tuition-other subjects	0.467	0.000	153
	zpextpay	R:/ paying for extra tuitions	-0.203	0.012	153
	zslocati	R:/ school location	0.084	0.300	153
	zsptrati	D:/ pupils-teacher ratio	0.094	0.250	153
	bigshift	D:/ the maximum number of pupils among shift	0.465	0.000	153
	zsessnu	D:/ the number of shifts	.(a)	.	153
	sclass	S/# of classes	0.415	0.000	153
	sclass6	S/# of classes G6	0.291	0.000	153
	zsbldgco	R:/ school building condition	0.059	0.466	153
	zstoitot	D:/ the number of toilets	0.303	0.000	153
	zsrto22	D:/ total school resources [max=22]	0.044	0.585	153
	sborrow	S/Pupils can borrow books	0.076	0.351	153
MOZ	ratotp	SCR:/ teacher reading-all total raw score	1.000		176
	pexteng	P/Extra tuition-subject-English	-0.321	0.000	176
	pextoth	P/Extra tuition-other subjects	-0.213	0.005	176
	zpextpay	R:/ paying for extra tuitions	-0.158	0.037	174
	zslocati	R:/ school location	0.279	0.000	168
	zsptrati	D:/ pupils-teacher ratio	-0.032	0.683	168
	bigshift	D:/ the maximum number of pupils among shift	0.273	0.000	168
	zsessnu	D:/ the number of shifts	0.131	0.091	168
	sclass	S/# of classes	0.307	0.000	168
	sclass6	S/# of classes G6	0.239	0.002	168
	zsbldgco	R:/ school building condition	-0.085	0.275	168
	zstoitot	D:/ the number of toilets	0.065	0.405	168
	zsrto22	D:/ total school resources [max=22]	0.185	0.017	168
	sborrow	S/Pupils can borrow books	-0.011	0.891	168
NAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		270
	pexteng	P/Extra tuition-subject-English	-0.253	0.000	270
	pextoth	P/Extra tuition-other subjects	0.005	0.940	270
	zpextpay	R:/ paying for extra tuitions	-0.208	0.002	223
	zslocati	R:/ school location	0.685	0.000	270
	zsptrati	D:/ pupils-teacher ratio	-0.294	0.000	270
	bigshift	D:/ the maximum number of pupils among shift	0.242	0.000	270
	zsessnu	D:/ the number of shifts	-0.051	0.408	270
	sclass	S/# of classes	0.380	0.000	270
	sclass6	S/# of classes G6	0.263	0.000	270



	zsbldgco	R:/ school building condition	-0.347	<u>0.000</u>	270
	zstoitot	D:/ the number of toilets	0.600	<u>0.000</u>	270
	zsrto22	D:/ total school resources [max=22]	0.730	<u>0.000</u>	270
	sborrow	S/Pupils can borrow books	0.233	<u>0.000</u>	270
SEY	ratotp	SCR:/ teacher reading-all total raw score	1.000		24
	pexteng	P/Extra tuition-subject-English	-0.065	0.762	24
	pextoth	P/Extra tuition-other subjects	0.088	0.683	24
	zpextpay	R:/ paying for extra tuitions	-0.622	<u>0.001</u>	24
	zslocati	R:/ school location	0.283	0.180	24
	zsprati	D:/ pupils-teacher ratio	0.182	0.396	24
	bigshift	D:/ the maximum number of pupils among shift	0.045	0.835	24
	zssessnu	D:/ the number of shifts	.(a)	.	24
	sclass	S/# of classes	-0.033	0.877	24
	sclass6	S/# of classes G6	0.039	0.858	24
	zsbldgco	R:/ school building condition	-0.149	0.488	24
	zstoitot	D:/ the number of toilets	-0.007	0.973	24
	zsrto22	D:/ total school resources [max=22]	0.381	0.066	24
	sborrow	S/Pupils can borrow books	.(a)	.	24
SOU	ratotp	SCR:/ teacher reading-all total raw score	1.000		169
	pexteng	P/Extra tuition-subject-English	-0.378	<u>0.000</u>	169
	pextoth	P/Extra tuition-other subjects	-0.078	0.312	169
	zpextpay	R:/ paying for extra tuitions	-0.288	<u>0.000</u>	159
	zslocati	R:/ school location	0.681	<u>0.000</u>	167
	zsprati	D:/ pupils-teacher ratio	-0.125	0.107	167
	bigshift	D:/ the maximum number of pupils among shift	0.129	0.097	167
	zssessnu	D:/ the number of shifts	.(a)	.	167
	sclass	S/# of classes	0.300	<u>0.000</u>	167
	sclass6	S/# of classes G6	0.200	<u>0.009</u>	167
	zsbldgco	R:/ school building condition	-0.450	<u>0.000</u>	167
	zstoitot	D:/ the number of toilets	0.369	<u>0.000</u>	167
	zsrto22	D:/ total school resources [max=22]	0.727	<u>0.000</u>	167
	sborrow	S/Pupils can borrow books	0.647	<u>0.000</u>	167
SWA	ratotp	SCR:/ teacher reading-all total raw score	1.000		168
	pexteng	P/Extra tuition-subject-English	0.087	0.264	168
	pextoth	P/Extra tuition-other subjects	0.266	<u>0.000</u>	168
	zpextpay	R:/ paying for extra tuitions	-0.128	0.228	91
	zslocati	R:/ school location	0.394	<u>0.000</u>	168
	zsprati	D:/ pupils-teacher ratio	-0.120	0.120	168
	bigshift	D:/ the maximum number of pupils among shift	0.100	0.197	168
	zssessnu	D:/ the number of shifts	.(a)	.	168
	sclass	S/# of classes	0.122	0.115	168
	sclass6	S/# of classes G6	0.126	0.103	168
	zsbldgco	R:/ school building condition	-0.188	0.015	168
	zstoitot	D:/ the number of toilets	0.369	<u>0.000</u>	168
	zsrto22	D:/ total school resources [max=22]	0.462	<u>0.000</u>	168
	sborrow	S/Pupils can borrow books	0.254	<u>0.001</u>	168
TAN	ratotp	SCR:/ teacher reading-all total raw score	1.000		181
	pexteng	P/Extra tuition-subject-English	-0.121	0.105	181
	pextoth	P/Extra tuition-other subjects	0.155	<u>0.037</u>	181



	zpextpay	R:/ paying for extra tuitions	-0.284	0.000	176
	zslocati	R:/ school location	0.480	0.000	181
	zsptrati	D:/ pupils-teacher ratio	-0.261	0.000	181
	bigshift	D:/ the maximum number of pupils among shift	0.386	0.000	181
	zssessnu	D:/ the number of shifts	0.180	0.015	181
	sclass	S/# of classes	0.318	0.000	181
	sclass6	S/# of classes G6	0.313	0.000	181
	zsbldgco	R:/ school building condition	-0.179	0.016	181
	zstoitot	D:/ the number of toilets	0.026	0.725	181
	zsrto22	D:/ total school resources [max=22]	0.233	0.002	181
	sborrow	S/Pupils can borrow books	0.032	0.665	181
UGA	ratotp	SCR:/ teacher reading-all total raw score	1.000		163
	pexteng	P/Extra tuition-subject-English	-0.084	0.288	163
	pextoth	P/Extra tuition-other subjects	-0.007	0.929	163
	zpextpay	R:/ paying for extra tuitions	-0.044	0.582	160
	zslocati	R:/ school location	0.232	0.003	163
	zsptrati	D:/ pupils-teacher ratio	-0.086	0.278	163
	bigshift	D:/ the maximum number of pupils among shift	0.012	0.882	163
	zssessnu	D:/ the number of shifts	.(a)	.	163
	sclass	S/# of classes	0.008	0.917	163
	sclass6	S/# of classes G6	-0.006	0.935	163
	zsbldgco	R:/ school building condition	-0.211	0.007	163
	zstoitot	D:/ the number of toilets	0.065	0.409	163
	zsrto22	D:/ total school resources [max=22]	0.425	0.000	163
	sborrow	S/Pupils can borrow books	0.130	0.097	163
ZAM	ratotp	SCR:/ teacher reading-all total raw score	1.000		173
	pexteng	P/Extra tuition-subject-English	0.135	0.076	173
	pextoth	P/Extra tuition-other subjects	0.254	0.001	173
	zpextpay	R:/ paying for extra tuitions	-0.391	0.000	159
	zslocati	R:/ school location	0.603	0.000	169
	zsptrati	D:/ pupils-teacher ratio	-0.346	0.000	169
	bigshift	D:/ the maximum number of pupils among shift	0.477	0.000	169
	zssessnu	D:/ the number of shifts	0.291	0.000	169
	sclass	S/# of classes	0.500	0.000	169
	sclass6	S/# of classes G6	0.541	0.000	169
	zsbldgco	R:/ school building condition	-0.141	0.067	169
	zstoitot	D:/ the number of toilets	0.476	0.000	169
	zsrto22	D:/ total school resources [max=22]	0.644	0.000	169
	sborrow	S/Pupils can borrow books	0.103	0.183	169
ZAN	ratotp	SCR:/ teacher reading-all total raw score	1.000		145
	pexteng	P/Extra tuition-subject-English	0.072	0.387	145
	pextoth	P/Extra tuition-other subjects	0.191	0.022	145
	zpextpay	R:/ paying for extra tuitions	-0.258	0.002	136
	zslocati	R:/ school location	0.348	0.000	145
	zsptrati	D:/ pupils-teacher ratio	-0.120	0.150	145
	bigshift	D:/ the maximum number of pupils among shift	0.142	0.089	145
	zssessnu	D:/ the number of shifts	0.002	0.982	145
	sclass	S/# of classes	0.173	0.037	145
	sclass6	S/# of classes G6	0.116	0.165	145



	zsbldgco	R:/ school building condition	0.052	0.536	145
	zstoitot	D:/ the number of toilets	0.046	0.584	145
	zsrto22	D:/ total school resources [max=22]	0.243	<u>0.003</u>	145
	sborrow	S/Pupils can borrow books	-0.027	0.749	145

\* Correlation is significant at the 0.05 level (2-tailed)

\*\* Correlation is significant at the 0.01 level (2-tailed)

a Cannot be computed because at least one of the variables is constant

## APPENDIX 69

### SACMEQ EXTERNAL TEACHING CONTEXT - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	matot	SCR:/ teacher math-all total raw score	1.000		170
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.867	170
	pextmat	P/Extra tuition-subject-math	-0.013	0.056	170
	pextoth	P/Extra tuition-other subjects	0.147	0.135	170
	sborrow	S/Pupils can borrow books	0.115	0.000	170
	sclass	S/# of classes	0.353	0.617	170
	sclass6	S/# of classes G6	0.039	0.270	170
	zpextpay	R:/ paying for extra tuitions	-0.085	0.121	161
	zsbldgco	R:/ school building condition	-0.123	<u>0.027</u>	170
	zslocati	R:/ school location	-0.170	0.000	170
	zsprati	D:/ pupils-teacher ratio	0.305	<u>0.000</u>	170
	zsrto22	D:/ total school resources [max=22]	-0.337	<u>0.000</u>	170
	zssessnu	D:/ the number of shifts	0.574	0.212	170
zstoitot	D:/ the number of toilets	-0.096	0.000	170	
KEN	matot	SCR:/ teacher math-all total raw score	0.368		185
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.390	184
	pextmat	P/Extra tuition-subject-math	0.064	0.085	185
	pextoth	P/Extra tuition-other subjects	0.127	0.182	185
	sborrow	S/Pupils can borrow books	0.099	<u>0.003</u>	184
	sclass	S/# of classes	0.214	0.224	184
	sclass6	S/# of classes G6	0.090	<u>0.018</u>	184
	zpextpay	R:/ paying for extra tuitions	0.174	0.982	181
	zsbldgco	R:/ school building condition	0.002	0.000	184
	zslocati	R:/ school location	-0.289	0.000	184
	zsprati	D:/ pupils-teacher ratio	0.306	0.000	184
	zsrto22	D:/ total school resources [max=22]	-0.328	<u>0.000</u>	184
	zssessnu	D:/ the number of shifts	0.444	0.879	184
zstoitot	D:/ the number of toilets	0.011	<u>0.000</u>	184	
LES	matot	SCR:/ teacher math-all total raw score	0.337		177
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.091	177
	pextmat	P/Extra tuition-subject-math	0.127	0.138	177
	pextoth	P/Extra tuition-other subjects	0.112	0.286	177
	sborrow	S/Pupils can borrow books	0.081	0.934	177
	sclass	S/# of classes	0.006	0.270	177
	sclass6	S/# of classes G6	0.083	0.363	177
	zpextpay	R:/ paying for extra tuitions	0.069	0.098	131
	zsbldgco	R:/ school building condition	-0.145	<u>0.003</u>	177





	zslocati	R:/ school location	-0.224	0.000	177
	zsprati	D:/ pupils-teacher ratio	0.421	0.699	177
	zsrto22	D:/ total school resources [max=22]	0.029	0.000	177
	zssessnu	D:/ the number of shifts	0.360	.	177
	zstoitot	D:/ the number of toilets	.(a)	0.258	177
MAL	matot	SCR:/ teacher math-all total raw score	0.085		140
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	140
	pextmat	P/Extra tuition-subject-math	0.295	0.399	140
	pextoth	P/Extra tuition-other subjects	0.072	0.140	140
	sborrow	S/Pupils can borrow books	-0.125	0.949	140
	sclass	S/# of classes	0.005	0.013	140
	sclass6	S/# of classes G6	0.210	0.001	140
	zpextpay	R:/ paying for extra tuitions	0.267	0.577	129
	zsbldgco	R:/ school building condition	0.050	0.609	140
	zslocati	R:/ school location	0.044	0.000	140
	zsprati	D:/ pupils-teacher ratio	0.292	0.710	140
	zsrto22	D:/ total school resources [max=22]	-0.032	0.002	140
	zssessnu	D:/ the number of shifts	0.256	0.006	140
	zstoitot	D:/ the number of toilets	0.232	0.015	140
MAU	matot	SCR:/ teacher math-all total raw score	0.205		153
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	153
	pextmat	P/Extra tuition-subject-math	0.480	0.000	153
	pextoth	P/Extra tuition-other subjects	0.285	0.000	153
	sborrow	S/Pupils can borrow books	0.503	0.166	153
	sclass	S/# of classes	0.113	0.000	153
	sclass6	S/# of classes G6	0.433	0.001	153
	zpextpay	R:/ paying for extra tuitions	0.274	0.000	153
	zsbldgco	R:/ school building condition	-0.285	0.952	153
	zslocati	R:/ school location	0.005	0.186	153
	zsprati	D:/ pupils-teacher ratio	0.107	0.409	153
	zsrto22	D:/ total school resources [max=22]	0.067	0.664	153
	zssessnu	D:/ the number of shifts	0.035	.	153
	zstoitot	D:/ the number of toilets	.(a)	0.000	153
MOZ	matot	SCR:/ teacher math-all total raw score	0.313		176
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.051	168
	pextmat	P/Extra tuition-subject-math	0.151	0.061	176
	pextoth	P/Extra tuition-other subjects	-0.142	0.037	176
	sborrow	S/Pupils can borrow books	-0.158	0.209	168
	sclass	S/# of classes	-0.097	0.011	168
	sclass6	S/# of classes G6	0.196	0.246	168
	zpextpay	R:/ paying for extra tuitions	0.090	0.419	174
	zsbldgco	R:/ school building condition	-0.062	0.566	168
	zslocati	R:/ school location	-0.045	0.037	168
	zsprati	D:/ pupils-teacher ratio	0.161	0.415	168
	zsrto22	D:/ total school resources [max=22]	0.063	0.677	168
	zssessnu	D:/ the number of shifts	0.032	0.101	168
	zstoitot	D:/ the number of toilets	0.127	0.567	168
NAM	matot	SCR:/ teacher math-all total raw score	0.044		270
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.005	270



	pextmat	P/Extra tuition-subject-math	0.169	<u>0.001</u>	270
	pextoth	P/Extra tuition-other subjects	-0.200	0.558	270
	sborrow	S/Pupils can borrow books	-0.036	<u>0.000</u>	270
	sclass	S/# of classes	0.230	<u>0.000</u>	270
	sclass6	S/# of classes G6	0.329	<u>0.002</u>	270
	zpextpay	R:/ paying for extra tuitions	0.190	<u>0.005</u>	223
	zsldgco	R:/ school building conditior	-0.187	<u>0.000</u>	270
	zslocati	R:/ school location	-0.335	<u>0.000</u>	270
	zsprati	D:/ pupils-teacher ratio	0.614	<u>0.000</u>	270
	zsrto22	D:/ total school resources [max=22]	-0.309	<u>0.000</u>	270
	zssessnu	D:/ the number of shifts	0.688	0.339	270
	zstoitot	D:/ the number of toilets	-0.058	<u>0.000</u>	270
SEY	matot	SCR:/ teacher math-all total raw score	0.570		24
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.649	24
	pextmat	P/Extra tuition-subject-math	0.098	0.771	24
	pextoth	P/Extra tuition-other subjects	-0.063	0.776	24
	sborrow	S/Pupils can borrow books	0.061	.	24
	sclass	S/# of classes	.(a)	0.832	24
	sclass6	S/# of classes G6	0.046	0.656	24
	zpextpay	R:/ paying for extra tuitions	0.096	<u>0.000</u>	24
	zsldgco	R:/ school building conditior	-0.660	0.455	24
	zslocati	R:/ school location	-0.160	0.249	24
	zsprati	D:/ pupils-teacher ratio	0.245	0.296	24
	zsrto22	D:/ total school resources [max=22]	0.222	<u>0.048</u>	24
	zssessnu	D:/ the number of shifts	0.408	.	24
	zstoitot	D:/ the number of toilets	.(a)	0.887	24
SOU	matot	SCR:/ teacher math-all total raw score	0.031		169
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.323	167
	pextmat	P/Extra tuition-subject-math	0.077	<u>0.000</u>	169
	pextoth	P/Extra tuition-other subjects	-0.279	0.220	169
	sborrow	S/Pupils can borrow books	-0.095	<u>0.000</u>	167
	sclass	S/# of classes	0.622	<u>0.001</u>	167
	sclass6	S/# of classes G6	0.262	0.071	167
	zpextpay	R:/ paying for extra tuitions	0.140	<u>0.000</u>	159
	zsldgco	R:/ school building conditior	-0.324	<u>0.000</u>	167
	zslocati	R:/ school location	-0.411	<u>0.000</u>	167
	zsprati	D:/ pupils-teacher ratio	0.582	0.183	167
	zsrto22	D:/ total school resources [max=22]	-0.104	<u>0.000</u>	167
	zssessnu	D:/ the number of shifts	0.659	.	167
	zstoitot	D:/ the number of toilets	.(a)	<u>0.000</u>	167
SWA	matot	SCR:/ teacher math-all total raw score	0.342		168
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.777	168
	pextmat	P/Extra tuition-subject-math	0.022	<u>0.009</u>	168
	pextoth	P/Extra tuition-other subjects	0.201	<u>0.007</u>	168
	sborrow	S/Pupils can borrow books	0.209	<u>0.019</u>	168
	sclass	S/# of classes	0.181	0.723	168
	sclass6	S/# of classes G6	0.028	0.990	168
	zpextpay	R:/ paying for extra tuitions	-0.001	0.123	91
	zsldgco	R:/ school building conditior	-0.163	<u>0.006</u>	168



	zslocati	R:/ school location	-0.211	0.008	168
	zsprati	D:/ pupils-teacher ratio	0.203	0.443	168
	zsrto22	D:/ total school resources [max=22]	-0.060	0.000	168
	zssessnu	D:/ the number of shifts	0.322	.	168
	zstoitot	D:/ the number of toilets	.(a)	0.001	168
TAN	matot	SCR:/ teacher math-all total raw score	0.258		181
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	181
	pextmat	P/Extra tuition-subject-math	0.284	0.000	181
	pextoth	P/Extra tuition-other subjects	0.358	0.001	181
	sborrow	S/Pupils can borrow books	0.237	0.852	181
	sclass	S/# of classes	-0.014	0.004	181
	sclass6	S/# of classes G6	0.212	0.001	181
	zpextpay	R:/ paying for extra tuitions	0.245	0.001	176
	zsbldgco	R:/ school building condition	-0.254	0.020	181
	zslocati	R:/ school location	-0.173	0.000	181
	zsprati	D:/ pupils-teacher ratio	0.362	0.001	181
	zsrto22	D:/ total school resources [max=22]	-0.236	0.010	181
	zssessnu	D:/ the number of shifts	0.190	0.269	181
	zstoitot	D:/ the number of toilets	0.083	0.909	181
UGA	matot	SCR:/ teacher math-all total raw score	0.009		163
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.181	163
	pextmat	P/Extra tuition-subject-math	-0.105	0.817	163
	pextoth	P/Extra tuition-other subjects	-0.018	0.756	163
	sborrow	S/Pupils can borrow books	-0.025	0.236	163
	sclass	S/# of classes	0.093	0.234	163
	sclass6	S/# of classes G6	-0.094	0.700	163
	zpextpay	R:/ paying for extra tuitions	-0.030	0.474	160
	zsbldgco	R:/ school building condition	0.057	0.090	163
	zslocati	R:/ school location	-0.133	0.174	163
	zsprati	D:/ pupils-teacher ratio	0.107	0.123	163
	zsrto22	D:/ total school resources [max=22]	-0.121	0.003	163
	zssessnu	D:/ the number of shifts	0.230	.	163
	zstoitot	D:/ the number of toilets	.(a)	0.899	163
ZAM	matot	SCR:/ teacher math-all total raw score	0.010		173
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.000	169
	pextmat	P/Extra tuition-subject-math	0.343	0.013	173
	pextoth	P/Extra tuition-other subjects	0.188	0.026	173
	sborrow	S/Pupils can borrow books	0.169	0.176	169
	sclass	S/# of classes	0.105	0.000	169
	sclass6	S/# of classes G6	0.292	0.000	169
	zpextpay	R:/ paying for extra tuitions	0.335	0.000	159
	zsbldgco	R:/ school building condition	-0.282	0.604	169
	zslocati	R:/ school location	-0.040	0.000	169
	zsprati	D:/ pupils-teacher ratio	0.419	0.000	169
	zsrto22	D:/ total school resources [max=22]	-0.317	0.000	169
	zssessnu	D:/ the number of shifts	0.478	0.065	169
	zstoitot	D:/ the number of toilets	0.142	0.000	169
ZAN	matot	SCR:/ teacher math-all total raw score	0.373		145
	bigshift	D:/ the maximum number of pupils among shift	1.000	0.785	145



	pextmat	P/Extra tuition-subject-math	0.023	<u>0.012</u>	145
	pextoth	P/Extra tuition-other subjects	0.209	0.064	145
	sborrow	S/Pupils can borrow books	0.154	0.686	145
	sclass	S/# of classes	-0.034	0.420	145
	sclass6	S/# of classes G6	0.067	0.544	145
	zpextpay	R:/ paying for extra tuitions	-0.051	0.741	136
	zsldgco	R:/ school building condition	-0.029	0.305	145
	zslocati	R:/ school location	0.086	0.378	145
	zsprati	D:/ pupils-teacher ratio	0.074	0.344	145
	zsrto22	D:/ total school resources [max=22]	-0.079	0.059	145
	zssessnu	D:/ the number of shifts	0.157	0.458	145
	zstoitot	D:/ the number of toilets	-0.062	0.257	145

\*\*

Correlation is significant at the 0.01 level (2-tailed)

0.095

\*

Correlation is significant at the 0.05 level (2-tailed)

a

Cannot be computed because at least one of the variables is constant



**APPENDIX 70**  
**SACMEQ INTERNAL TEACHING CONTEXT - READING**

Countries	Variables	Description	Pearson Cor	Sig.	N
BOT	ratotp	SCR:/ Pupil math-all total raw score	1.000		170
	zpborrow	R:/ borrow books	0.074	0.339	168
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.140	0.070	170
	fxaccess	Teachers' access to material	0.080	0.299	170
	zpwwrite	R:/ writing place	.(a)	.	170
	zpsit	R:/ sitting place	.(a)	.	170
	zphmwkr	R:/ being given reading homework	0.025	0.746	170
	zphmwkrc	R:/ being corrected reading homework	-0.252	<u>0.001</u>	169
	zptextr	R:/ sharing/owning reading textbooks	0.037	0.636	170
	xclsize	D:/Reading class size	0.057	0.457	170
	zxyclbks	D:/ the number of classroom books	0.070	0.366	170
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.092	0.232	170
	zxcres8	D:/ reading teacher total class resources [max=8]	0.099	0.199	170
	xperiods	T/Periods/week	0.052	0.500	170
	xminutes	T/Minutes/lesson	0.026	0.733	170
	sminutes	S/Minutes/periods	-0.010	0.897	170
speriods	S/# Periods	-0.080	0.298	170	
KEN	ratotp	SCR:/ Pupil math-all total raw score	1.000		185
	zpborrow	R:/ borrow books	0.244	0.063	59
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.175	<u>0.017</u>	185
	fxaccess	Teachers' access to material	0.159	<u>0.035</u>	175
	zpwwrite	R:/ writing place	0.251	<u>0.001</u>	185
	zpsit	R:/ sitting place	0.247	<u>0.001</u>	185
	zphmwkr	R:/ being given reading homework	0.226	<u>0.002</u>	185
	zphmwkrc	R:/ being corrected reading homework	0.255	<u>0.000</u>	185
	zptextr	R:/ sharing/owning reading textbooks	0.266	<u>0.000</u>	185
	xclsize	D:/Reading class size	0.007	0.922	185
	zxyclbks	D:/ the number of classroom books	0.134	0.079	172
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.412	<u>0.000</u>	174
	zxcres8	D:/ reading teacher total class resources [max=8]	0.387	<u>0.000</u>	174
	xperiods	T/Periods/week	-0.147	0.051	175
	xminutes	T/Minutes/lesson	0.028	0.711	175
	sminutes	S/Minutes/periods	0.092	0.212	184
speriods	S/# Periods	-0.452	<u>0.000</u>	184	
LES	ratotp	SCR:/ Pupil math-all total raw score	1.000		177
	zpborrow	R:/ borrow books	0.092	0.494	58
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	0.173	<u>0.021</u>	177
	fxaccess	Teachers' access to material	0.172	<u>0.022</u>	177
	zpwwrite	R:/ writing place	-0.088	0.244	177
	zpsit	R:/ sitting place	-0.103	0.173	177
	zphmwkr	R:/ being given reading homework	0.069	0.362	177
	zphmwkrc	R:/ being corrected reading homework	-0.002	0.976	177
	zptextr	R:/ sharing/owning reading textbooks	0.014	0.848	177
	xclsize	D:/Reading class size	0.084	0.268	177
	zxyclbks	D:/ the number of classroom books	-0.031	0.681	177
	zxclfum	D:/ reading teacher total class furniture [max=5]	-0.023	0.757	177
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.009	0.907	177
	xperiods	T/Periods/week	0.003	0.968	177
	xminutes	T/Minutes/lesson	0.038	0.619	177
	sminutes	S/Minutes/periods	0.176	<u>0.019</u>	177
speriods	S/# Periods	-0.034	0.657	177	
MAL	ratotp	SCR:/ Pupil math-all total raw score	1.000		140
	zpborrow	R:/ borrow books	0.038	0.761	67
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.335	<u>0.000</u>	140
	fxaccess	Teachers' access to material	-0.099	0.246	139
	zpwwrite	R:/ writing place	-0.044	0.607	140
zpsit	R:/ sitting place	-0.031	0.717	140	



	zphmwkr	R:/ being given reading homework	0.054	0.523	140
	zphmwkr	R:/ being corrected reading homework	-0.103	0.297	104
	zptextr	R:/ sharing/owning reading textbooks	0.100	0.242	140
	xclsize	D:/Reading class size	0.233	0.006	140
	zxyclbks	D:/ the number of classroom books	-0.079	0.360	135
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.001	0.987	139
	zxcres8	D:/ reading teacher total class resources [max=8]	0.012	0.890	139
	xperiods	T/Periods/week	-0.230	0.006	139
	xminutes	T/Minutes/lesson	-0.048	0.577	139
	sminutes	S/Minutes/periods	-0.167	0.048	140
	speriods	S/# Periods	-0.254	0.002	140
MAU	ratotp	SCR:/ Pupil math-all total raw score	1.000		153
	zpborrow	R:/ borrow books	0.167	0.040	152
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.034	0.679	153
	fxaccess	Teachers' access to material	0.052	0.526	153
	zpwite	R:/ writing place	.(a)	.	153
	zpsit	R:/ sitting place	.(a)	.	153
	zphmwkr	R:/ being given reading homework	0.012	0.887	153
	zphmwkr	R:/ being corrected reading homework	-0.087	0.286	153
	zptextr	R:/ sharing/owning reading textbooks	0.002	0.978	153
	xclsize	D:/Reading class size	0.426	0.000	153
	zxyclbks	D:/ the number of classroom books	0.160	0.048	153
	zxclfum	D:/ reading teacher total class furniture [max=5]	-0.018	0.824	153
	zxcres8	D:/ reading teacher total class resources [max=8]	0.007	0.928	153
	xperiods	T/Periods/week	-0.039	0.629	153
	xminutes	T/Minutes/lesson	0.009	0.916	153
	sminutes	S/Minutes/periods	-0.032	0.691	152
	speriods	S/# Periods	0.048	0.557	153
MOZ	ratotp	SCR:/ Pupil math-all total raw score	1.000		176
	zpborrow	R:/ borrow books	-0.166	0.033	166
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.240	0.001	176
	fxaccess	Teachers' access to material	-0.105	0.168	173
	zpwite	R:/ writing place	0.157	0.038	176
	zpsit	R:/ sitting place	0.116	0.126	176
	zphmwkr	R:/ being given reading homework	-0.021	0.780	176
	zphmwkr	R:/ being corrected reading homework	0.005	0.947	176
	zptextr	R:/ sharing/owning reading textbooks	0.154	0.041	176
	xclsize	D:/Reading class size	-0.072	0.342	176
	zxyclbks	D:/ the number of classroom books	-0.125	0.110	164
	zxclfum	D:/ reading teacher total class furniture [max=5]	-0.019	0.811	166
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.054	0.486	166
	xperiods	T/Periods/week	0.013	0.861	173
	xminutes	T/Minutes/lesson	-0.099	0.193	173
	sminutes	S/Minutes/periods	-0.266	0.001	167
	speriods	S/# Periods	-0.253	0.001	168
NAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		270
	zpborrow	R:/ borrow books	0.095	0.121	269
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.194	0.001	270
	fxaccess	Teachers' access to material	0.146	0.017	269
	zpwite	R:/ writing place	0.114	0.060	270
	zpsit	R:/ sitting place	0.091	0.137	270
	zphmwkr	R:/ being given reading homework	-0.234	0.000	270
	zphmwkr	R:/ being corrected reading homework	-0.164	0.007	267
	zptextr	R:/ sharing/owning reading textbooks	0.310	0.000	270
	xclsize	D:/Reading class size	-0.250	0.000	270
	zxyclbks	D:/ the number of classroom books	-0.136	0.026	269
	zxclfum	D:/ reading teacher total class furniture [max=5]	0.409	0.000	269
	zxcres8	D:/ reading teacher total class resources [max=8]	0.416	0.000	269
	xperiods	T/Periods/week	0.141	0.021	269
	xminutes	T/Minutes/lesson	0.103	0.091	269
	sminutes	S/Minutes/periods	-0.017	0.782	270



	speriods	S/# Periods	-0.237	<u>0.000</u>	270
SEY	ratotp	SCR:/ Pupil math-all total raw score	1.000		24
	zpborrow	R:/ borrow books	0.413	<u>0.045</u>	24
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.299	<u>0.155</u>	24
	fxaccess	Teachers' access to material	0.276	<u>0.191</u>	24
	zppwrite	R:/ writing place	.(a)	.	24
	zpsit	R:/ sitting place	.(a)	.	24
	zphmwkr	R:/ being given reading homework	-0.009	<u>0.966</u>	24
	zphmwkrc	R:/ being corrected reading homework	-0.169	<u>0.431</u>	24
	zptextr	R:/ sharing/owning reading textbooks	0.453	<u>0.026</u>	24
	xclsize	D:/Reading class size	0.059	<u>0.783</u>	24
	zxcylbks	D:/ the number of classroom books	0.194	<u>0.365</u>	24
	zxcclfurn	D:/ reading teacher total class furniture [max=5]	0.047	<u>0.828</u>	24
	zxcclres8	D:/ reading teacher total class resources [max=8]	-0.094	<u>0.662</u>	24
	xperiods	T/Periods/week	-0.313	<u>0.136</u>	24
	xminutes	T/Minutes/lesson	-0.115	<u>0.593</u>	24
	sminutes	S/Minutes/periods	0.232	<u>0.275</u>	24
	speriods	S/# Periods	0.089	<u>0.679</u>	24
SOU	ratotp	SCR:/ Pupil math-all total raw score	1.000		169
	zpborrow	R:/ borrow books	0.260	<u>0.001</u>	163
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.348	<u>0.000</u>	169
	fxaccess	Teachers' access to material	0.246	<u>0.001</u>	164
	zppwrite	R:/ writing place	0.249	<u>0.001</u>	169
	zpsit	R:/ sitting place	0.265	<u>0.000</u>	169
	zphmwkr	R:/ being given reading homework	-0.196	<u>0.010</u>	169
	zphmwkrc	R:/ being corrected reading homework	-0.123	<u>0.113</u>	168
	zptextr	R:/ sharing/owning reading textbooks	0.182	<u>0.018</u>	169
	xclsize	D:/Reading class size	-0.227	<u>0.003</u>	169
	zxcylbks	D:/ the number of classroom books	-0.020	<u>0.805</u>	159
	zxcclfurn	D:/ reading teacher total class furniture [max=5]	0.418	<u>0.000</u>	162
	zxcclres8	D:/ reading teacher total class resources [max=8]	0.421	<u>0.000</u>	162
	xperiods	T/Periods/week	0.245	<u>0.002</u>	164
	xminutes	T/Minutes/lesson	0.105	<u>0.181</u>	164
	sminutes	S/Minutes/periods	-0.109	<u>0.159</u>	167
	speriods	S/# Periods	-0.253	<u>0.001</u>	167
SWA	ratotp	SCR:/ Pupil math-all total raw score	1.000		168
	zpborrow	R:/ borrow books	0.157	<u>0.098</u>	113
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.198	<u>0.010</u>	168
	fxaccess	Teachers' access to material	0.062	<u>0.433</u>	164
	zppwrite	R:/ writing place	0.119	<u>0.124</u>	168
	zpsit	R:/ sitting place	0.031	<u>0.687</u>	168
	zphmwkr	R:/ being given reading homework	0.109	<u>0.159</u>	168
	zphmwkrc	R:/ being corrected reading homework	-0.183	<u>0.023</u>	154
	zptextr	R:/ sharing/owning reading textbooks	0.074	<u>0.342</u>	168
	xclsize	D:/Reading class size	0.083	<u>0.282</u>	168
	zxcylbks	D:/ the number of classroom books	0.114	<u>0.148</u>	162
	zxcclfurn	D:/ reading teacher total class furniture [max=5]	0.258	<u>0.001</u>	164
	zxcclres8	D:/ reading teacher total class resources [max=8]	0.322	<u>0.000</u>	164
	xperiods	T/Periods/week	0.095	<u>0.227</u>	164
	xminutes	T/Minutes/lesson	-0.070	<u>0.376</u>	164
	sminutes	S/Minutes/periods	0.066	<u>0.396</u>	168
	speriods	S/# Periods	-0.089	<u>0.250</u>	168
TAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		181
	zpborrow	R:/ borrow books	0.011	<u>0.890</u>	172
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.130	<u>0.081</u>	181
	fxaccess	Teachers' access to material	0.123	<u>0.101</u>	179
	zppwrite	R:/ writing place	0.443	<u>0.000</u>	181
	zpsit	R:/ sitting place	0.489	<u>0.000</u>	181
	zphmwkr	R:/ being given reading homework	0.381	<u>0.000</u>	181
	zphmwkrc	R:/ being corrected reading homework	0.253	<u>0.001</u>	180
	zptextr	R:/ sharing/owning reading textbooks	0.052	<u>0.488</u>	181



	xclsize	D:/Reading class size	0.219	<u>0.003</u>	181
	zxyclbks	D:/ the number of classroom books	0.085	0.263	177
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.037	0.625	179
	zxcres8	D:/ reading teacher total class resources [max=8]	-0.003	0.964	179
	xperiods	T/Periods/week	-0.326	<u>0.000</u>	179
	xminutes	T/Minutes/lesson	-0.118	0.117	179
	sminutes	S/Minutes/periods	0.033	0.655	181
	speriods	S/# Periods	-0.459	<u>0.000</u>	181
UGA	ratotp	SCR:/ Pupil math-all total raw score	1.000		163
	zpborrow	R:/ borrow books	-0.046	0.573	156
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.319	<u>0.000</u>	163
	fxaccess	Teachers' access to material	0.209	<u>0.008</u>	159
	zpwrite	R:/ writing place	0.196	<u>0.012</u>	163
	zpsit	R:/ sitting place	0.266	<u>0.001</u>	163
	zphmwkr	R:/ being given reading homework	0.086	0.277	163
	zphmwkrc	R:/ being corrected reading homework	0.288	<u>0.000</u>	161
	zptextr	R:/ sharing/owning reading textbooks	0.039	0.620	163
	xclsize	D:/Reading class size	0.057	0.471	163
	zxyclbks	D:/ the number of classroom books	-0.037	0.694	118
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.119	0.135	159
	zxcres8	D:/ reading teacher total class resources [max=8]	0.125	0.117	159
	xperiods	T/Periods/week	-0.177	<u>0.026</u>	159
	xminutes	T/Minutes/lesson	0.146	0.067	159
	sminutes	S/Minutes/periods	0.118	0.133	163
	speriods	S/# Periods	-0.102	0.196	163
ZAM	ratotp	SCR:/ Pupil math-all total raw score	1.000		173
	zpborrow	R:/ borrow books	0.183	<u>0.023</u>	154
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.051	0.505	173
	fxaccess	Teachers' access to material	0.029	0.708	169
	zpwrite	R:/ writing place	0.202	<u>0.008</u>	173
	zpsit	R:/ sitting place	0.142	0.063	173
	zphmwkr	R:/ being given reading homework	0.332	<u>0.000</u>	173
	zphmwkrc	R:/ being corrected reading homework	0.181	<u>0.022</u>	160
	zptextr	R:/ sharing/owning reading textbooks	-0.191	<u>0.012</u>	173
	xclsize	D:/Reading class size	0.292	<u>0.000</u>	173
	zxyclbks	D:/ the number of classroom books	0.082	0.296	166
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.239	<u>0.002</u>	166
	zxcres8	D:/ reading teacher total class resources [max=8]	0.166	<u>0.033</u>	166
	xperiods	T/Periods/week	-0.162	<u>0.035</u>	169
	xminutes	T/Minutes/lesson	0.001	0.991	169
	sminutes	S/Minutes/periods	-0.218	<u>0.004</u>	169
	speriods	S/# Periods	-0.449	<u>0.000</u>	169
ZAN	ratotp	SCR:/ Pupil math-all total raw score	1.000		145
	zpborrow	R:/ borrow books	-0.129	0.144	129
	fxzpmat	Pupils' school material (exercise book, notebook, pencil, eraser, pen, and ruler)	-0.345	<u>0.000</u>	145
	fxaccess	Teachers' access to material	0.030	0.723	140
	zpwrite	R:/ writing place	0.026	0.757	145
	zpsit	R:/ sitting place	-0.004	0.963	145
	zphmwkr	R:/ being given reading homework	0.097	0.243	145
	zphmwkrc	R:/ being corrected reading homework	0.071	0.406	141
	zptextr	R:/ sharing/owning reading textbooks	-0.047	0.578	145
	xclsize	D:/Reading class size	0.176	<u>0.034</u>	145
	zxyclbks	D:/ the number of classroom books	0.068	0.438	133
	zxcflurn	D:/ reading teacher total class furniture [max=5]	0.048	0.572	140
	zxcres8	D:/ reading teacher total class resources [max=8]	0.024	0.775	140
	xperiods	T/Periods/week	-0.066	0.438	140
	xminutes	T/Minutes/lesson	0.124	0.144	140
	sminutes	S/Minutes/periods	-0.082	0.329	145
	speriods	S/# Periods	-0.226	<u>0.006</u>	145

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).





a Cannot be computed because at least one of the variables is constant.

**APPENDIX 70**  
**SACMEQ INTERNAL TEACHING CONTEXT - MATHEMATICS**

Countries	Variables	Description	Pearson Corr	Sig. (2-tailed)	N	
BOT	matotp	SCR:/ teacher math-all total raw score	1.000		170	
	zpborrow	R:/ borrow books	0.136	0.079	168	
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.177	<u>0.021</u>	170	
	zpsit	R:/ sitting place	.(a)	.	170	
	zpwwrite	R:/ writing place	.(a)	.	170	
	zphmwkm	R:/ being given mathematics homework	0.211	<u>0.006</u>	170	
	zphmwkmc	R:/ being corrected mathematics homework	-0.004	0.961	170	
	zptextm	R:/ sharing/owning mathematics textbooks	0.070	0.362	170	
	yclsiz	D:/Mathematics class size	-0.057	0.460	170	
	zxyclbks	D:/ the number of classroom books	0.122	0.114	170	
	zyclfurn	D:/ math teacher total class furniture [max=5]	0.114	0.138	170	
	zyclres8	D:/ math teacher total class resources [max=8]	0.131	0.088	170	
	fy1access	Math teacher access (factor)	0.109	0.159	170	
	fy2access	Math teacher access (factor)	0.195	<u>0.011</u>	170	
	yperiods	T/Periods/week	0.041	0.594	170	
	yminutes	S/Minutes/periods	-0.066	0.395	170	
	speriods	School head number of periods	-0.037	0.636	170	
	sminutes	S/Minutes/periods	-0.018	0.819	170	
	KEN	matotp	SCR:/ teacher math-all total raw score	1.000		185
		zpborrow	R:/ borrow books	0.103	0.436	59
fyzpmat		Pupils' school material (exercise book, ruler)	-0.171	<u>0.020</u>	185	
zpsit		R:/ sitting place	0.196	<u>0.008</u>	185	
zpwwrite		R:/ writing place	0.172	<u>0.019</u>	185	
zphmwkm		R:/ being given mathematics homework	0.287	<u>0.000</u>	185	
zphmwkmc		R:/ being corrected mathematics homework	0.230	<u>0.002</u>	185	
zptextm		R:/ sharing/owning mathematics textbooks	0.354	<u>0.000</u>	185	
yclsiz		D:/Mathematics class size	-0.033	0.656	185	
zxyclbks		D:/ the number of classroom books	0.085	0.266	172	
zyclfurn		D:/ math teacher total class furniture [max=5]	0.329	<u>0.000</u>	180	
zyclres8		D:/ math teacher total class resources [max=8]	0.272	<u>0.000</u>	180	
fy1access		Math teacher access (factor)	0.134	0.072	180	
fy2access		Math teacher access (factor)	0.057	0.449	180	
yperiods		T/Periods/week	-0.146	0.051	180	
yminutes		S/Minutes/periods	.(a)	.	180	
speriods		School head number of periods	-0.368	<u>0.000</u>	184	
sminutes		S/Minutes/periods	0.123	<u>0.095</u>	184	
LES		matotp	SCR:/ teacher math-all total raw score	1.000		177
		zpborrow	R:/ borrow books	0.049	0.717	58
	fyzpmat	Pupils' school material (exercise book, ruler)	0.137	0.069	177	
	zpsit	R:/ sitting place	-0.116	0.125	177	
	zpwwrite	R:/ writing place	-0.052	0.491	177	
	zphmwkm	R:/ being given mathematics homework	-0.003	0.970	177	
	zphmwkmc	R:/ being corrected mathematics homework	-0.090	0.235	177	
	zptextm	R:/ sharing/owning mathematics textbooks	-0.019	0.797	177	
	yclsiz	D:/Mathematics class size	0.115	0.127	177	
	zxyclbks	D:/ the number of classroom books	-0.092	0.223	177	
	zyclfurn	D:/ math teacher total class furniture [max=5]	-0.012	0.877	177	
	zyclres8	D:/ math teacher total class resources [max=8]	-0.015	0.847	177	
	fy1access	Math teacher access (factor)	0.132	0.079	177	
	fy2access	Math teacher access (factor)	-0.001	0.989	177	
	yperiods	T/Periods/week	0.020	0.795	177	
	yminutes	S/Minutes/periods	0.053	0.486	177	
	speriods	School head number of periods	0.062	0.415	177	
	sminutes	S/Minutes/periods	0.195	<u>0.009</u>	177	
	MAL	matotp	SCR:/ teacher math-all total raw score	1.000		140



	zpborrow	R:/ borrow books	0.146	0.240	67
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.251	<u>0.003</u>	140
	zpsit	R:/ sitting place	-0.083	0.328	140
	zpwrite	R:/ writing place	-0.111	0.193	140
	zphmwkm	R:/ being given mathematics homework	0.026	0.757	140
	zphmwkmc	R:/ being corrected mathematics homework	-0.009	0.920	132
	zptextm	R:/ sharing/owning mathematics textbooks	-0.041	0.632	140
	yclsize	D:/Mathematics class size	0.193	<u>0.022</u>	140
	zxyclbks	D:/ the number of classroom books	-0.048	0.581	135
	zyclfum	D:/ math teacher total class furniture [max=5]	-0.108	0.211	136
	zyclres8	D:/ math teacher total class resources [max=8]	-0.102	0.239	136
	fy1access	Math teacher access (factor)	0.009	0.918	136
	fy2access	Math teacher access (factor)	0.009	0.913	136
	yperiods	T/Periods/week	-0.167	0.053	136
	yminutes	S/Minutes/periods	-0.026	0.762	136
	speriods	School head number of periods	-0.199	<u>0.019</u>	140
	sminutes	S/Minutes/periods	-0.084	0.326	140
MAU	matotp	SCR:/ teacher math-all total raw score	1.000		153
	zpborrow	R:/ borrow books	0.159	0.051	152
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.026	0.752	153
	zpsit	R:/ sitting place	.(a)	.	153
	zpwrite	R:/ writing place	.(a)	.	153
	zphmwkm	R:/ being given mathematics homework	0.320	<u>0.000</u>	153
	zphmwkmc	R:/ being corrected mathematics homework	-0.056	0.488	153
	zptextm	R:/ sharing/owning mathematics textbooks	-0.020	0.810	153
	yclsize	D:/Mathematics class size	0.480	<u>0.000</u>	153
	zxyclbks	D:/ the number of classroom books	0.187	<u>0.021</u>	153
	zyclfum	D:/ math teacher total class furniture [max=5]	-0.030	0.714	153
	zyclres8	D:/ math teacher total class resources [max=8]	-0.008	0.923	153
	fy1access	Math teacher access (factor)	0.011	0.891	153
	fy2access	Math teacher access (factor)	0.049	0.549	153
	yperiods	T/Periods/week	-0.033	0.684	153
	yminutes	S/Minutes/periods	-0.001	0.993	153
	speriods	School head number of periods	0.072	0.379	153
	sminutes	S/Minutes/periods	-0.062	0.450	152
MOZ	matotp	SCR:/ teacher math-all total raw score	1.000		176
	zpborrow	R:/ borrow books	-0.150	0.053	166
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.268	<u>0.000</u>	176
	zpsit	R:/ sitting place	0.020	0.797	176
	zpwrite	R:/ writing place	0.059	0.438	176
	zphmwkm	R:/ being given mathematics homework	0.042	0.582	176
	zphmwkmc	R:/ being corrected mathematics homework	0.120	0.113	176
	zptextm	R:/ sharing/owning mathematics textbooks	0.081	0.283	176
	yclsize	D:/Mathematics class size	-0.122	0.107	176
	zxyclbks	D:/ the number of classroom books	-0.143	0.067	164
	zyclfum	D:/ math teacher total class furniture [max=5]	-0.038	0.633	164
	zyclres8	D:/ math teacher total class resources [max=8]	-0.036	0.645	164
	fy1access	Math teacher access (factor)	-0.089	0.248	171
	fy2access	Math teacher access (factor)	-0.001	0.989	171
	yperiods	T/Periods/week	-0.043	0.576	171
	yminutes	S/Minutes/periods	-0.106	0.168	171
	speriods	School head number of periods	-0.235	<u>0.002</u>	168
	sminutes	S/Minutes/periods	-0.215	<u>0.005</u>	167
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		270
	zpborrow	R:/ borrow books	0.094	0.124	269
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.223	<u>0.000</u>	270
	zpsit	R:/ sitting place	0.097	0.112	270
	zpwrite	R:/ writing place	0.123	<u>0.043</u>	270
	zphmwkm	R:/ being given mathematics homework	0.303	<u>0.000</u>	270
	zphmwkmc	R:/ being corrected mathematics homework	-0.043	0.478	268
	zptextm	R:/ sharing/owning mathematics textbooks	0.384	<u>0.000</u>	270



	yclsize	D:/Mathematics class size	-0.282	<u>0.000</u>	270
	zxyclbks	D:/ the number of classroom books	-0.132	<u>0.030</u>	269
	zyclfum	D:/ math teacher total class furniture [max=5]	0.419	<u>0.000</u>	270
	zyclres8	D:/ math teacher total class resources [max=8]	0.402	<u>0.000</u>	270
	fy1access	Math teacher access (factor)	0.182	<u>0.003</u>	270
	fy2access	Math teacher access (factor)	0.076	<u>0.211</u>	270
	yperiods	T/Periods/week	0.103	0.091	270
	yminutes	S/Minutes/periods	-0.079	0.197	270
	speriods	School head number of periods	-0.177	<u>0.004</u>	270
	sminutes	S/Minutes/periods	-0.012	0.850	270
SEY	matotp	SCR:/ teacher math-all total raw score	1.000		24
	zpborrow	R:/ borrow books	0.330	0.115	24
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.362	0.082	24
	zpsit	R:/ sitting place	.(a)	.	24
	zpwite	R:/ writing place	.(a)	.	24
	zphmwkm	R:/ being given mathematics homework	0.016	0.941	24
	zphmwkmc	R:/ being corrected mathematics homework	-0.020	0.926	24
	zptextm	R:/ sharing/owning mathematics textbooks	0.055	0.797	24
	yclsize	D:/Mathematics class size	-0.020	0.926	24
	zxyclbks	D:/ the number of classroom books	0.318	0.130	24
	zyclfum	D:/ math teacher total class furniture [max=5]	0.146	0.495	24
	zyclres8	D:/ math teacher total class resources [max=8]	0.209	0.327	24
	fy1access	Math teacher access (factor)	0.070	0.744	24
	fy2access	Math teacher access (factor)	0.115	0.591	24
	yperiods	T/Periods/week	0.259	0.222	24
	yminutes	S/Minutes/periods	-0.075	0.727	24
	speriods	School head number of periods	0.249	0.241	24
	sminutes	S/Minutes/periods	0.278	0.189	24
SOU	matotp	SCR:/ teacher math-all total raw score	1.000		169
	zpborrow	R:/ borrow books	0.320	<u>0.000</u>	163
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.322	<u>0.000</u>	169
	zpsit	R:/ sitting place	0.147	0.057	169
	zpwite	R:/ writing place	0.156	<u>0.042</u>	169
	zphmwkm	R:/ being given mathematics homework	0.372	<u>0.000</u>	169
	zphmwkmc	R:/ being corrected mathematics homework	0.051	0.507	169
	zptextm	R:/ sharing/owning mathematics textbooks	0.284	<u>0.000</u>	169
	yclsize	D:/Mathematics class size	-0.214	<u>0.005</u>	169
	zxyclbks	D:/ the number of classroom books	-0.011	0.891	159
	zyclfum	D:/ math teacher total class furniture [max=5]	0.418	<u>0.000</u>	161
	zyclres8	D:/ math teacher total class resources [max=8]	0.415	<u>0.000</u>	161
	fy1access	Math teacher access (factor)	0.212	<u>0.006</u>	163
	fy2access	Math teacher access (factor)	0.235	<u>0.003</u>	163
	yperiods	T/Periods/week	0.170	<u>0.030</u>	163
	yminutes	S/Minutes/periods	0.097	0.219	163
	speriods	School head number of periods	-0.187	<u>0.016</u>	167
	sminutes	S/Minutes/periods	-0.084	0.281	167
SWA	matotp	SCR:/ teacher math-all total raw score	1.000		168
	zpborrow	R:/ borrow books	0.164	0.083	113
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.200	<u>0.009</u>	168
	zpsit	R:/ sitting place	-0.005	0.952	168
	zpwite	R:/ writing place	0.036	0.644	168
	zphmwkm	R:/ being given mathematics homework	0.088	0.256	168
	zphmwkmc	R:/ being corrected mathematics homework	0.138	0.077	165
	zptextm	R:/ sharing/owning mathematics textbooks	0.025	0.744	168
	yclsize	D:/Mathematics class size	0.031	0.690	168
	zxyclbks	D:/ the number of classroom books	0.105	0.185	162
	zyclfum	D:/ math teacher total class furniture [max=5]	0.142	0.068	166
	zyclres8	D:/ math teacher total class resources [max=8]	0.230	<u>0.003</u>	166
	fy1access	Math teacher access (factor)	0.107	0.170	166
	fy2access	Math teacher access (factor)	0.059	0.448	166
	yperiods	T/Periods/week	0.125	0.108	166



	yminutes	S/Minutes/periods	-0.089	0.254	166
	speriods	School head number of periods	-0.078	0.316	168
	sminutes	S/Minutes/periods	0.039	0.618	168
TAN	matotp	SCR:/ teacher math-all total raw score	1.000		181
	zpborrow	R:/ borrow books	0.020	0.797	172
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.146	0.050	181
	zpsit	R:/ sitting place	0.406	0.000	181
	zpwwrite	R:/ writing place	0.364	0.000	181
	zphmwkm	R:/ being given mathematics homework	0.318	0.000	181
	zphmwkmc	R:/ being corrected mathematics homework	0.122	0.104	179
	zptextm	R:/ sharing/owning mathematics textbooks	-0.062	0.403	181
	yclsiz	D:/Mathematics class size	0.182	0.014	181
	zxyclbks	D:/ the number of classroom books	0.104	0.168	177
	zyclfum	D:/ math teacher total class furniture [max=5]	0.008	0.921	178
	zyclres8	D:/ math teacher total class resources [max=8]	0.039	0.603	178
	fy1access	Math teacher access (factor)	0.034	0.648	178
	fy2access	Math teacher access (factor)	0.161	0.032	178
	yperiods	T/Periods/week	-0.386	0.000	178
	yminutes	S/Minutes/periods	-0.041	0.589	178
	speriods	School head number of periods	-0.418	0.000	181
	sminutes	S/Minutes/periods	0.060	0.424	181
UGA	matotp	SCR:/ teacher math-all total raw score	1.000		163
	zpborrow	R:/ borrow books	-0.071	0.376	156
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.289	0.000	163
	zpsit	R:/ sitting place	0.177	0.024	163
	zpwwrite	R:/ writing place	0.207	0.008	163
	zphmwkm	R:/ being given mathematics homework	0.171	0.029	163
	zphmwkmc	R:/ being corrected mathematics homework	0.265	0.001	163
	zptextm	R:/ sharing/owning mathematics textbooks	-0.144	0.067	163
	yclsiz	D:/Mathematics class size	-0.076	0.336	163
	zxyclbks	D:/ the number of classroom books	-0.063	0.496	118
	zyclfum	D:/ math teacher total class furniture [max=5]	0.025	0.783	122
	zyclres8	D:/ math teacher total class resources [max=8]	-0.025	0.783	122
	fy1access	Math teacher access (factor)	0.023	0.806	122
	fy2access	Math teacher access (factor)	0.117	0.201	122
	yperiods	T/Periods/week	-0.124	0.173	122
	yminutes	S/Minutes/periods	0.061	0.502	122
	speriods	School head number of periods	-0.011	0.891	163
	sminutes	S/Minutes/periods	0.077	0.331	163
ZAM	matotp	SCR:/ teacher math-all total raw score	1.000		173
	zpborrow	R:/ borrow books	0.198	0.014	154
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.121	0.113	173
	zpsit	R:/ sitting place	0.122	0.111	173
	zpwwrite	R:/ writing place	0.196	0.010	173
	zphmwkm	R:/ being given mathematics homework	0.221	0.004	173
	zphmwkmc	R:/ being corrected mathematics homework	0.044	0.570	172
	zptextm	R:/ sharing/owning mathematics textbooks	-0.154	0.044	173
	yclsiz	D:/Mathematics class size	0.248	0.001	173
	zxyclbks	D:/ the number of classroom books	0.133	0.089	166
	zyclfum	D:/ math teacher total class furniture [max=5]	0.151	0.051	167
	zyclres8	D:/ math teacher total class resources [max=8]	0.104	0.181	167
	fy1access	Math teacher access (factor)	0.093	0.226	170
	fy2access	Math teacher access (factor)	-0.021	0.787	170
	yperiods	T/Periods/week	-0.076	0.323	170
	yminutes	S/Minutes/periods	0.008	0.915	170
	speriods	School head number of periods	-0.320	0.000	169
	sminutes	S/Minutes/periods	-0.243	0.001	169
ZAN	matotp	SCR:/ teacher math-all total raw score	1.000		145
	zpborrow	R:/ borrow books	-0.153	0.083	129
	fyzpmat	Pupils' school material (exercise book, ruler)	-0.183	0.028	145
	zpsit	R:/ sitting place	-0.087	0.301	145



zpwrite	R:/ writing place	-0.086	0.302	145
zphmwkm	R:/ being given mathematics homework	0.014	0.865	145
zphmwkmc	R:/ being corrected mathematics homework	0.162	0.053	143
zptextm	R:/ sharing/owning mathematics textbooks	0.056	0.503	145
yclsize	D:/Mathematics class size	0.067	0.426	145
zxyclbks	D:/ the number of classroom books	0.206	0.017	133
zyclfurn	D:/ math teacher total class furniture [max=5]	0.030	0.727	138
zyclres8	D:/ math teacher total class resources [max=8]	0.041	0.630	138
fy1access	Math teacher access (factor)	0.120	0.162	138
fy2access	Math teacher access (factor)	0.155	0.070	138
yperiods	T/Periods/week	-0.060	0.483	138
yminutes	S/Minutes/periods	-0.027	0.755	138
speriods	School head number of periods	-0.122	0.142	145
sminutes	S/Minutes/periods	-0.096	0.249	145

\* Correlation is significant at the 0.05 level (2-tailed).

\*\* Correlation is significant at the 0.01 level (2-tailed).

a Cannot be computed because at least one of the variables is constant.



**APPENDIX 71**

**MOZAMBIQUE PRE-EXISTING PUPIL CHARACTERISTICS - READING**

Prov	Variables	Description	Corr	Sig	N
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.330	0.250	14
	zpsex	R:/ pupil sex	0.155	0.597	14
	pstay	P/Place to stay	0.101	0.731	14
	zpbooksh	D:/ the number of books at home	-0.127	0.666	14
	pmeal1	P/Morning meal	0.166	0.570	14
	pmeal2	P/Lunch	0.265	0.360	14
	pmeal3	P/Evening meal	0.375	0.186	14
	zpses	D:/ pupil's SES	0.359	0.208	14
	zprepeat	R:/ grade repetition	0.210	0.472	14
	prepeat6	P/Repeating G6	0.155	0.597	14
GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.065	0.819	15
	zpsex	R:/ pupil sex	-0.344	0.209	15
	pstay	P/Place to stay	-0.371	0.174	15
	zpbooksh	D:/ the number of books at home	-0.190	0.498	15
	pmeal1	P/Morning meal	-0.413	0.126	15
	pmeal2	P/Lunch	0.341	0.214	15
	pmeal3	P/Evening meal	0.518	0.048	15
	zpses	D:/ pupil's SES	0.174	0.536	15
	zprepeat	R:/ grade repetition	0.389	0.152	15
	prepeat6	P/Repeating G6	0.074	0.794	15
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.515	0.059	14
	zpsex	R:/ pupil sex	0.617	0.019	14
	pstay	P/Place to stay	0.173	0.554	14
	zpbooksh	D:/ the number of books at home	0.266	0.358	14
	pmeal1	P/Morning meal	0.466	0.093	14
	pmeal2	P/Lunch	0.427	0.128	14
	pmeal3	P/Evening meal	0.707	0.005	14
	zpses	D:/ pupil's SES	0.662	0.010	14
	zprepeat	R:/ grade repetition	0.127	0.665	14
	prepeat6	P/Repeating G6	0.067	0.820	14
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.232	0.325	20
	zpsex	R:/ pupil sex	-0.180	0.448	20
	pstay	P/Place to stay	-0.235	0.318	20
	zpbooksh	D:/ the number of books at home	-0.290	0.214	20
	pmeal1	P/Morning meal	-0.041	0.863	20
	pmeal2	P/Lunch	0.371	0.107	20
	pmeal3	P/Evening meal	0.205	0.386	20
	zpses	D:/ pupil's SES	0.029	0.903	20
	zprepeat	R:/ grade repetition	0.366	0.112	20
	prepeat6	P/Repeating G6	0.030	0.898	20
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.246	0.378	15
	zpsex	R:/ pupil sex	0.438	0.103	15
	pstay	P/Place to stay	-0.092	0.743	15
	zpbooksh	D:/ the number of books at home	0.014	0.961	15
	pmeal1	P/Morning meal	-0.633	0.011	15
	pmeal2	P/Lunch	0.370	0.175	15
pmeal3	P/Evening meal	0.507	0.054	15	



	zpses	D:/ pupil's SES	-0.050	0.858	15
	zprepeat	R:/ grade repetition	-0.373	0.170	15
	prepeat6	P/Repeating G6	0.042	0.882	15
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.275	0.321	15
	zpsex	R:/ pupil sex	0.206	0.461	15
	pstay	P/Place to stay	-0.507	0.054	15
	zpbooksh	D:/ the number of books at home	-0.142	0.612	15
	pmeal1	P/Morning meal	-0.267	0.337	15
	pmeal2	P/Lunch	0.024	0.932	15
	pmeal3	P/Evening meal	0.417	0.122	15
	zpses	D:/ pupil's SES	0.273	0.325	15
	zprepeat	R:/ grade repetition	0.060	0.831	15
	prepeat6	P/Repeating G6	0.317	0.249	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.308	0.187	20
	zpsex	R:/ pupil sex	-0.170	0.473	20
	pstay	P/Place to stay	0.101	0.672	20
	zpbooksh	D:/ the number of books at home	0.133	0.575	20
	pmeal1	P/Morning meal	-0.269	0.251	20
	pmeal2	P/Lunch	0.007	0.976	20
	pmeal3	P/Evening meal	-0.257	0.273	20
	zpses	D:/ pupil's SES	-0.014	0.952	20
	zprepeat	R:/ grade repetition	-0.376	0.102	20
	prepeat6	P/Repeating G6	-0.407	0.075	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.526	0.044	15
	zpsex	R:/ pupil sex	-0.182	0.517	15
	pstay	P/Place to stay	0.464	0.081	15
	zpbooksh	D:/ the number of books at home	0.032	0.910	15
	pmeal1	P/Morning meal	-0.658	0.008	15
	pmeal2	P/Lunch	-0.398	0.141	15
	pmeal3	P/Evening meal	-0.312	0.257	15
	zpses	D:/ pupil's SES	-0.242	0.384	15
	zprepeat	R:/ grade repetition	-0.268	0.334	15
	prepeat6	P/Repeating G6	-0.207	0.459	15
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.226	0.419	15
	zpsex	R:/ pupil sex	-0.212	0.448	15
	pstay	P/Place to stay	-0.085	0.762	15
	zpbooksh	D:/ the number of books at home	0.065	0.818	15
	pmeal1	P/Morning meal	0.084	0.765	15
	pmeal2	P/Lunch	0.425	0.114	15
	pmeal3	P/Evening meal	0.357	0.192	15
	zpses	D:/ pupil's SES	-0.230	0.410	15
	zprepeat	R:/ grade repetition	-0.348	0.204	15
	prepeat6	P/Repeating G6	-0.282	0.309	15
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.436	0.104	15
	zpsex	R:/ pupil sex	-0.268	0.334	15
	pstay	P/Place to stay	0.029	0.918	15
	zpbooksh	D:/ the number of books at home	0.137	0.627	15
	pmeal1	P/Morning meal	-0.278	0.315	15
	pmeal2	P/Lunch	-0.113	0.687	15
	pmeal3	P/Evening meal	-0.186	0.506	15



	zpses	D:/ pupil's SES	0.274	0.324	15
	zprepeat	R:/ grade repetition	0.317	0.250	15
	prepeat6	P/Repeating G6	0.105	0.710	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.472	0.048	18
	zpsex	R:/ pupil sex	0.432	0.073	18
	pstay	P/Place to stay	-0.106	0.676	18
	zpbooksh	D:/ the number of books at home	0.586	0.011	18
	pmeal1	P/Morning meal	0.446	0.064	18
	pmeal2	P/Lunch	0.084	0.740	18
	pmeal3	P/Evening meal	0.065	0.799	18
	zpses	D:/ pupil's SES	0.729	0.001	18
	zprepeat	R:/ grade repetition	0.234	0.350	18
	prepeat6	P/Repeating G6	0.028	0.912	18

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).

## APPENDIX 71

### MOZAMBIQUE PRE-EXISTING PUPIL CHARACTERISTICS - MATHEMATICS

Prov	Variables	Description	Corr	Sig	N
CAB	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.408	0.148	14
	zpsex	R:/ pupil sex	0.211	0.469	14
	pstay	P/Place to stay	0.030	0.920	14
	zpbooksh	D:/ the number of books at home	-0.452	0.105	14
	pmeal1	P/Morning meal	0.012	0.968	14
	pmeal2	P/Lunch	0.216	0.458	14
	pmeal3	P/Evening meal	0.426	0.129	14
	zpses	D:/ pupil's SES	0.226	0.437	14
	zprepeat	R:/ grade repetition	0.020	0.947	14
	prepeat6	P/Repeating G6	0.068	0.817	14
GAZ	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.104	0.712	15
	zpsex	R:/ pupil sex	-0.249	0.370	15
	pstay	P/Place to stay	-0.456	0.088	15
	zpbooksh	D:/ the number of books at home	-0.094	0.739	15
	pmeal1	P/Morning meal	-0.119	0.673	15
	pmeal2	P/Lunch	0.303	0.273	15
	pmeal3	P/Evening meal	0.412	0.127	15
	zpses	D:/ pupil's SES	0.224	0.422	15
	zprepeat	R:/ grade repetition	0.601	<u>0.018</u>	15
	prepeat6	P/Repeating G6	0.159	0.571	15
INH	matotp	SCR:/ teacher math-all total raw score	1.000		14
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.580	<u>0.030</u>	14
	zpsex	R:/ pupil sex	0.256	0.376	14
	pstay	P/Place to stay	0.204	0.484	14
	zpbooksh	D:/ the number of books at home	0.032	0.913	14
	pmeal1	P/Morning meal	0.436	0.119	14
	pmeal2	P/Lunch	0.166	0.571	14
	pmeal3	P/Evening meal	0.542	<u>0.045</u>	14
	zpses	D:/ pupil's SES	0.474	0.087	14
	zprepeat	R:/ grade repetition	-0.197	0.501	14
	prepeat6	P/Repeating G6	-0.109	0.710	14
MAC	matotp	SCR:/ teacher math-all total raw score	1.000		20





	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.186	0.433	20
	zpsex	R:/ pupil sex	-0.307	0.188	20
	pstay	P/Place to stay	-0.136	0.568	20
	zpbooksh	D:/ the number of books at home	-0.065	0.787	20
	pmeal1	P/Morning meal	0.033	0.891	20
	pmeal2	P/Lunch	0.283	0.226	20
	pmeal3	P/Evening meal	0.116	0.628	20
	zpses	D:/ pupil's SES	-0.074	0.757	20
	zprepeat	R:/ grade repetition	0.062	0.794	20
	prepeat6	P/Repeating G6	-0.160	0.499	20
MAN	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.206	0.462	15
	zpsex	R:/ pupil sex	0.104	0.712	15
	pstay	P/Place to stay	0.330	0.230	15
	zpbooksh	D:/ the number of books at home	-0.185	0.509	15
	pmeal1	P/Morning meal	-0.647	<u>0.009</u>	15
	pmeal2	P/Lunch	0.111	0.694	15
	pmeal3	P/Evening meal	0.399	0.141	15
	zpses	D:/ pupil's SES	-0.403	0.136	15
	zprepeat	R:/ grade repetition	-0.314	0.255	15
	prepeat6	P/Repeating G6	-0.094	0.738	15
MAP	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.336	0.220	15
	zpsex	R:/ pupil sex	0.216	0.440	15
	pstay	P/Place to stay	-0.416	0.123	15
	zpbooksh	D:/ the number of books at home	0.068	0.809	15
	pmeal1	P/Morning meal	-0.176	0.529	15
	pmeal2	P/Lunch	-0.040	0.888	15
	pmeal3	P/Evening meal	0.430	0.109	15
	zpses	D:/ pupil's SES	-0.153	0.586	15
	zprepeat	R:/ grade repetition	-0.028	0.921	15
	prepeat6	P/Repeating G6	0.238	0.394	15
NAM	matotp	SCR:/ teacher math-all total raw score	1.000		20
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.109	0.649	20
	zpsex	R:/ pupil sex	-0.402	0.079	20
	pstay	P/Place to stay	-0.134	0.575	20
	zpbooksh	D:/ the number of books at home	0.024	0.919	20
	pmeal1	P/Morning meal	0.052	0.828	20
	pmeal2	P/Lunch	0.067	0.778	20
	pmeal3	P/Evening meal	0.065	0.787	20
	zpses	D:/ pupil's SES	0.144	0.545	20
	zprepeat	R:/ grade repetition	0.168	0.478	20
	prepeat6	P/Repeating G6	-0.097	0.685	20
NIA	matotp	SCR:/ teacher math-all total raw score	1.000		15
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.816	<u>0.000</u>	15
	zpsex	R:/ pupil sex	-0.088	0.756	15
	pstay	P/Place to stay	0.369	0.176	15
	zpbooksh	D:/ the number of books at home	-0.206	0.461	15
	pmeal1	P/Morning meal	-0.389	0.151	15
	pmeal2	P/Lunch	0.141	0.616	15
	pmeal3	P/Evening meal	0.108	0.701	15
	zpses	D:/ pupil's SES	-0.348	0.204	15
	zprepeat	R:/ grade repetition	-0.139	0.621	15
	prepeat6	P/Repeating G6	0.137	0.627	15



SOF	matotp	SCR:/ teacher math-all total raw score	1.000		15	
	zpageomon	D:/ pupil's age in months rounded to the nearest month	0.427	0.113	15	
	zpsex	R:/ pupil sex	-0.394	0.146	15	
	pstay	P/Place to stay	-0.062	0.826	15	
	zpboksh	D:/ the number of books at home	-0.225	0.420	15	
	pmeal1	P/Morning meal	-0.202	0.470	15	
	pmeal2	P/Lunch	0.385	0.157	15	
	pmeal3	P/Evening meal	0.406	0.133	15	
	zpses	D:/ pupil's SES	-0.442	0.099	15	
	zprepeat	R:/ grade repetition	-0.518	<u>0.048</u>	15	
	prepeat6	P/Repeating G6	-0.306	0.267	15	
	TET	matotp	SCR:/ teacher math-all total raw score	1.000		15
		zpageomon	D:/ pupil's age in months rounded to the nearest month	0.124	0.659	15
zpsex		R:/ pupil sex	-0.752	<u>0.001</u>	15	
pstay		P/Place to stay	0.423	0.116	15	
zpboksh		D:/ the number of books at home	-0.379	0.163	15	
pmeal1		P/Morning meal	-0.250	0.368	15	
pmeal2		P/Lunch	-0.154	0.582	15	
pmeal3		P/Evening meal	-0.034	0.906	15	
zpses		D:/ pupil's SES	-0.399	0.141	15	
zprepeat		R:/ grade repetition	-0.361	0.186	15	
prepeat6		P/Repeating G6	-0.179	0.522	15	
ZAM		matotp	SCR:/ teacher math-all total raw score	1.000		18
		zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.217	0.387	18
	zpsex	R:/ pupil sex	0.138	0.584	18	
	pstay	P/Place to stay	-0.084	0.740	18	
	zpboksh	D:/ the number of books at home	0.383	0.116	18	
	pmeal1	P/Morning meal	0.241	0.336	18	
	pmeal2	P/Lunch	0.064	0.801	18	
	pmeal3	P/Evening meal	0.169	0.501	18	
	zpses	D:/ pupil's SES	0.434	0.072	18	
	zprepeat	R:/ grade repetition	0.184	0.464	18	
	prepeat6	P/Repeating G6	0.209	0.404	18	

\*\* Correlation is significant at the 0.01 level (2-tailed).

\* Correlation is significant at the 0.05 level (2-tailed).



APPENDIX 72

MOZAMBIQUE PARENT AND COMMUNITY SCHOOL INVOLVEMENT - READING

Prov	Variables	Description	Pearson Corr	Sig	N
CAB	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	-0.116	0.692	14
	phmwkhlp	P/Homework-help	-0.316	0.271	14
	zpread	R:/ being asked to read	-0.172	0.556	14
	zpquestr	R:/ being asked questions about any subject	-0.189	0.518	14
	zplookwk	R:/ being looked at the school work	-0.107	0.716	14
	ztsignen	R:/ reading teacher asking parents to sign	0.109	0.710	14
	fx1zscomm	Community involvimen!	0.003	0.991	14
	fx2zscomm	Community involvimen!	-0.368	0.195	14
	sprobcom	S/Community problems	-0.280	0.332	14
GAZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	-0.151	0.591	15
	phmwkhlp	P/Homework-help	-0.144	0.608	15
	zpread	R:/ being asked to read	0.315	0.253	15
	zpquestr	R:/ being asked questions about any subject	0.675	0.006	15
	zplookwk	R:/ being looked at the school work	0.153	0.586	15
	ztsignen	R:/ reading teacher asking parents to sign	0.612	0.020	14
	fx1zscomm	Community involvimen!	0.137	0.626	15
	fx2zscomm	Community involvimen!	-0.276	0.319	15
	sprobcom	S/Community problems	0.023	0.936	15
INH	ratotp	SCR:/ pupil reading-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	0.332	0.246	14
	phmwkhlp	P/Homework-help	0.224	0.440	14
	zpread	R:/ being asked to read	-0.023	0.938	14
	zpquestr	R:/ being asked questions about any subject	0.253	0.382	14
	zplookwk	R:/ being looked at the school work	0.037	0.901	14
	ztsignen	R:/ reading teacher asking parents to sign	-0.019	0.948	14
	fx1zscomm	Community involvimen!	-0.245	0.419	13
	fx2zscomm	Community involvimen!	-0.209	0.493	13
	sprobcom	S/Community problems	0.039	0.901	13
MAC	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	0.481	0.032	20
	phmwkhlp	P/Homework-help	0.087	0.716	20
	zpread	R:/ being asked to read	0.241	0.306	20
	zpquestr	R:/ being asked questions about any subject	-0.030	0.900	20
	zplookwk	R:/ being looked at the school work	-0.020	0.932	20
	ztsignen	R:/ reading teacher asking parents to sign	-0.177	0.455	20
	fx1zscomm	Community involvimen!	0.068	0.788	18
	fx2zscomm	Community involvimen!	0.328	0.184	18
	sprobcom	S/Community problems	-0.375	0.125	18
MAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.272	0.326	15
	phmwkhlp	P/Homework-help	0.096	0.733	15
	zpread	R:/ being asked to read	-0.065	0.817	15
	zpquestr	R:/ being asked questions about any subject	0.458	0.086	15
	zplookwk	R:/ being looked at the school work	0.078	0.783	15
	ztsignen	R:/ reading teacher asking parents to sign	0.208	0.475	14
	fx1zscomm	Community involvimen!	0.073	0.831	11
	fx2zscomm	Community involvimen!	-0.341	0.304	11
	sprobcom	S/Community problems	.(a)	.	11
MAP	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.017	0.952	15
	phmwkhlp	P/Homework-help	0.174	0.535	15



	zpread	R:/ being asked to read	0.162	0.563	15
	zpquestr	R:/ being asked questions about any subject	-0.166	0.554	15
	zplookwk	R:/ being looked at the school work	-0.110	0.695	15
	ztsignen	R:/ reading teacher asking parents to sign	0.503	0.056	15
	fx1zscomm	Community involvimen!	0.162	0.564	15
	fx2zscomm	Community involvimen!	0.023	0.935	15
	sprobcom	S/Community problems	0.333	0.225	15
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	-0.070	0.768	20
	phmwkhlp	P/Homework-help	-0.007	0.978	20
	zpread	R:/ being asked to read	0.037	0.875	20
	zpquestr	R:/ being asked questions about any subject	-0.073	0.761	20
	zplookwk	R:/ being looked at the school work	-0.181	0.446	20
	ztsignen	R:/ reading teacher asking parents to sign	0.125	0.601	20
	fx1zscomm	Community involvimen!	-0.247	0.293	20
	fx2zscomm	Community involvimen!	-0.124	0.603	20
	sprobcom	S/Community problems	0.349	0.132	20
NIA	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	-0.166	0.555	15
	phmwkhlp	P/Homework-help	-0.441	0.100	15
	zpread	R:/ being asked to read	0.077	0.785	15
	zpquestr	R:/ being asked questions about any subject	-0.237	0.394	15
	zplookwk	R:/ being looked at the school work	-0.332	0.227	15
	ztsignen	R:/ reading teacher asking parents to sign	-0.431	0.109	15
	fx1zscomm	Community involvimen!	0.536	0.048	14
	fx2zscomm	Community involvimen!	-0.412	0.143	14
	sprobcom	S/Community problems	-0.212	0.467	14
SOF	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.293	0.289	15
	phmwkhlp	P/Homework-help	0.099	0.727	15
	zpread	R:/ being asked to read	-0.054	0.850	15
	zpquestr	R:/ being asked questions about any subject	-0.161	0.566	15
	zplookwk	R:/ being looked at the school work	0.218	0.434	15
	ztsignen	R:/ reading teacher asking parents to sign	-0.146	0.618	14
	fx1zscomm	Community involvimen!	-0.230	0.409	15
	fx2zscomm	Community involvimen!	-0.042	0.883	15
	sprobcom	S/Community problems	0.477	0.072	15
TET	ratotp	SCR:/ pupil reading-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.243	0.383	15
	phmwkhlp	P/Homework-help	-0.107	0.705	15
	zpread	R:/ being asked to read	-0.111	0.693	15
	zpquestr	R:/ being asked questions about any subject	-0.404	0.136	15
	zplookwk	R:/ being looked at the school work	-0.289	0.297	15
	ztsignen	R:/ reading teacher asking parents to sign	-0.417	0.122	15
	fx1zscomm	Community involvimen!	-0.491	0.063	15
	fx2zscomm	Community involvimen!	0.437	0.103	15
	sprobcom	S/Community problems	-0.240	0.388	15
ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		18
	zphmwkdn	R:/ homework-make sure	0.360	0.142	18
		P/Homework-help	0.217	0.388	18
	zpread	R:/ being asked to read	-0.076	0.764	18
	zpquestr	R:/ being asked questions about any subject	0.159	0.530	18
	zplookwk	R:/ being looked at the school work	0.439	0.068	18
	ztsignen	R:/ reading teacher asking parents to sign	0.260	0.297	18
	fx1zscomm	Community involvimen!	0.116	0.646	18
	fx2zscomm	Community involvimen!	-0.318	0.199	18
	sprobcom	S/Community problems	-0.077	0.761	18



- \*\* Correlation is significant at the 0.01 level (2-tailed)
- \* Correlation is significant at the 0.05 level (2-tailed)
- a Cannot be computed because at least one of the variables is constant

**APPENDIX 72**

**MOZAMBIQUE PARENT AND COMMUNITY SCHOOL INVOLVEMENT - MATHEMATICS**

Prov	Variables	Description	Pearson Corr	Sig. (2- tailed)	N
CAB	matotp	Pupil math-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	-0.137	0.641	14
	phmwkhlp	P/Homework-help	-0.427	0.128	14
	zpcalc	R:/ being asked to calculate	-0.376	0.185	14
	zpquestm	R:/ being asked questions about mathematics	-0.556	<u>0.039</u>	14
	zplookwk	R:/ being looked at the school work	-0.240	0.409	14
	ztsigma	R:/ math teacher asking parents to sign	-0.110	0.709	14
	fy1zscomm	Community involvimen!	-0.078	0.790	14
	fy2zscomm	Community involvimen!	0.472	0.088	14
	sprobcom	Community Problems	-0.001	0.997	14
GAZ	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.125	0.656	15
	phmwkhlp	P/Homework-help	-0.017	0.951	15
	zpcalc	R:/ being asked to calculate	-0.062	0.825	15
	zpquestm	R:/ being asked questions about mathematics	0.356	0.193	15
	zplookwk	R:/ being looked at the school work	0.106	0.707	15
	ztsigma	R:/ math teacher asking parents to sign	0.320	0.265	14
	fy1zscomm	Community involvimen!	-0.050	0.859	15
	fy2zscomm	Community involvimen!	-0.059	0.833	15
	sprobcom	Community Problems	-0.118	0.675	15
INH	matotp	Pupil math-all total raw score	1.000		14
	zphmwkdn	R:/ homework-make sure	0.282	0.329	14
	phmwkhlp	P/Homework-help	0.200	0.493	14
	zpcalc	R:/ being asked to calculate	0.265	0.359	14
	zpquestm	R:/ being asked questions about mathematics	0.216	0.457	14
	zplookwk	R:/ being looked at the school work	-0.259	0.372	14
	ztsigma	R:/ math teacher asking parents to sign	0.273	0.367	13
	fy1zscomm	Community involvimen!	-0.333	0.267	13
	fy2zscomm	Community involvimen!	0.079	0.798	13
	sprobcom	Community Problems	-0.255	0.401	13
MAC	matotp	Pupil math-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	0.402	0.079	20
	phmwkhlp	P/Homework-help	-0.099	0.678	20
	zpcalc	R:/ being asked to calculate	0.041	0.863	20
	zpquestm	R:/ being asked questions about mathematics	0.133	0.575	20
	zplookwk	R:/ being looked at the school work	0.229	0.331	20
	ztsigma	R:/ math teacher asking parents to sign	0.052	0.826	20
	fy1zscomm	Community involvimen!	-0.062	0.808	18
	fy2zscomm	Community involvimen!	0.042	0.868	18
	sprobcom	Community Problems	-0.508	<u>0.031</u>	18
MAN	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.366	0.180	15
	phmwkhlp	P/Homework-help	0.121	0.667	15
	zpcalc	R:/ being asked to calculate	0.104	0.711	15
	zpquestm	R:/ being asked questions about mathematics	0.171	0.543	15
	zplookwk	R:/ being looked at the school work	0.138	0.625	15
	ztsigma	R:/ math teacher asking parents to sign	-0.430	0.125	14
	fy1zscomm	Community involvimen!	-0.150	0.659	11
	fy2zscomm	Community involvimen!	0.200	0.556	11



	sprobcom	Community Problems	.(a)	.	11
MAP	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.161	0.567	15
	phmwkhlp	P/Homework-help	0.105	0.710	15
	zpcalc	R:/ being asked to calculate	0.658	0.008	15
	zpquestm	R:/ being asked questions about mathematics	0.068	0.810	15
	zplookwk	R:/ being looked at the school work	0.249	0.372	15
	ztsigma	R:/ math teacher asking parents to sign	0.559	0.030	15
	fy1zscomm	Community involvimen!	0.070	0.803	15
	fy2zscomm	Community involvimen!	0.074	0.793	15
	sprobcom	Community Problems	0.064	0.822	15
NAM	matotp	Pupil math-all total raw score	1.000		20
	zphmwkdn	R:/ homework-make sure	-0.396	0.084	20
	phmwkhlp	P/Homework-help	-0.189	0.425	20
	zpcalc	R:/ being asked to calculate	0.031	0.897	20
	zpquestm	R:/ being asked questions about mathematics	-0.091	0.703	20
	zplookwk	R:/ being looked at the school work	-0.132	0.579	20
	ztsigma	R:/ math teacher asking parents to sign	-0.242	0.304	20
	fy1zscomm	Community involvimen!	-0.370	0.108	20
	fy2zscomm	Community involvimen!	-0.057	0.811	20
	sprobcom	Community Problems	0.032	0.895	20
NIA	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	-0.395	0.145	15
	phmwkhlp	P/Homework-help	0.179	0.522	15
	zpcalc	R:/ being asked to calculate	-0.413	0.126	15
	zpquestm	R:/ being asked questions about mathematics	-0.397	0.143	15
	zplookwk	R:/ being looked at the school work	-0.614	0.015	15
	ztsigma	R:/ math teacher asking parents to sign	0.081	0.783	14
	fy1zscomm	Community involvimen!	-0.247	0.394	14
	fy2zscomm	Community involvimen!	0.346	0.226	14
	sprobcom	Community Problems	-0.071	0.811	14
SOF	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.207	0.459	15
	phmwkhlp	P/Homework-help	-0.033	0.908	15
	zpcalc	R:/ being asked to calculate	-0.495	0.061	15
	zpquestm	R:/ being asked questions about mathematics	-0.379	0.164	15
	zplookwk	R:/ being looked at the school work	0.183	0.514	15
	ztsigma	R:/ math teacher asking parents to sign	-0.335	0.242	14
	fy1zscomm	Community involvimen!	-0.115	0.684	15
	fy2zscomm	Community involvimen!	-0.154	0.585	15
	sprobcom	Community Problems	0.403	0.136	15
TET	matotp	Pupil math-all total raw score	1.000		15
	zphmwkdn	R:/ homework-make sure	0.448	0.094	15
	phmwkhlp	P/Homework-help	-0.063	0.823	15
	zpcalc	R:/ being asked to calculate	0.010	0.973	15
	zpquestm	R:/ being asked questions about mathematics	0.218	0.435	15
	zplookwk	R:/ being looked at the school work	-0.085	0.763	15
	ztsigma	R:/ math teacher asking parents to sign	0.057	0.841	15
	fy1zscomm	Community involvimen!	-0.318	0.248	15
	fy2zscomm	Community involvimen!	-0.168	0.550	15
	sprobcom	Community Problems	0.133	0.637	15
ZAM	matotp	Pupil math-all total raw score	1.000		18
	zphmwkdn	R:/ homework-make sure	0.576	0.012	18
	phmwkhlp	P/Homework-help	0.344	0.163	18
	zpcalc	R:/ being asked to calculate	-0.090	0.722	18
	zpquestm	R:/ being asked questions about mathematics	-0.203	0.419	18
	zplookwk	R:/ being looked at the school work	0.325	0.188	18



	ztsigma	R:/ math teacher asking parents to sign	0.148	0.558	18
	fy1zscomm	Community involvimen	0.023	0.928	18
	fy2zscomm	Community involvimen	0.319	0.198	18
	sprobcom	Community Problems	0.021	0.935	18

\* Correlation is significant at the 0.01 level (2-tailed)

\*\* Correlation is significant at the 0.05 level (2-tailed)

a Cannot be computed because at least one of the variables is constant



**APPENDIX 73**  
**SACMEQ PRE-EXISTING PUPIL CHARACTERISTICS - READING**

Countries	Variables	Description	Pearson Corr	Sig. (2- tailed)	N	
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170	
	zpagemon	D:/ pupil's age in months rounded to the nearest mont	-0.436	0.000	170	
	zpses	D:/ pupil's SES	0.685	0.000	170	
	zpsex	R:/ pupil sex	0.017	0.827	170	
	pstay	P/Place to stay	-0.317	0.000	170	
	zpbooksh	D:/ the number of books at hom	0.671	0.000	170	
	pmeal1	P/Morning meal	0.106	0.169	170	
	pmeal2	P/Lunch	0.255	0.001	170	
	pmeal3	P/Evening meal	0.252	0.001	170	
	prepeat6	P/Repeating G6	-0.138	0.073	170	
	zprepeat	R:/ grade repetition	-0.241	0.002	170	
	KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000		185
		zpagemon	D:/ pupil's age in months rounded to the nearest mont	-0.578	0.000	185
		zpses	D:/ pupil's SES	0.691	0.000	185
zpsex		R:/ pupil sex	0.101	0.172	185	
pstay		P/Place to stay	0.018	0.808	185	
zpbooksh		D:/ the number of books at hom	0.317	0.000	185	
pmeal1		P/Morning meal	0.211	0.004	185	
pmeal2		P/Lunch	0.241	0.001	185	
pmeal3		P/Evening meal	0.242	0.001	185	
prepeat6		P/Repeating G6	-0.379	0.000	185	
zprepeat		R:/ grade repetition	-0.190	0.009	185	
LES		ratotp	SCR:/ pupil reading-all total raw score	1.000		177
		zpagemon	D:/ pupil's age in months rounded to the nearest mont	-0.291	0.000	177
		zpses	D:/ pupil's SES	0.366	0.000	177
	zpsex	R:/ pupil sex	-0.053	0.484	177	
	pstay	P/Place to stay	0.063	0.402	177	
	zpbooksh	D:/ the number of books at hom	0.168	0.025	177	
	pmeal1	P/Morning meal	-0.068	0.369	177	
	pmeal2	P/Lunch	0.035	0.646	177	
	pmeal3	P/Evening meal	-0.049	0.513	177	
	prepeat6	P/Repeating G6	-0.123	0.104	177	
	zprepeat	R:/ grade repetition	-0.279	0.000	177	
	MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000		140
		zpagemon	D:/ pupil's age in months rounded to the nearest mont	-0.206	0.015	140
		zpses	D:/ pupil's SES	0.428	0.000	140
zpsex		R:/ pupil sex	-0.058	0.495	140	
pstay		P/Place to stay	0.029	0.733	140	
zpbooksh		D:/ the number of books at hom	0.286	0.001	140	
pmeal1		P/Morning meal	0.148	0.081	140	
pmeal2		P/Lunch	-0.004	0.958	140	
pmeal3		P/Evening meal	0.003	0.975	140	
prepeat6		P/Repeating G6	-0.111	0.191	140	
zprepeat		R:/ grade repetition	-0.217	0.010	140	
MAU		ratotp	SCR:/ pupil reading-all total raw score	1.000		153
		zpagemon	D:/ pupil's age in months rounded to the nearest mont	-0.494	0.000	153
		zpses	D:/ pupil's SES	0.558	0.000	153





	zpsex	R:/ pupil sex	0.154	0.057	153
	pstay	P/Place to stay	-0.137	0.091	153
	zpbooksh	D:/ the number of books at home	0.444	0.000	153
	pmeal1	P/Morning meal	0.218	0.007	153
	pmeal2	P/Lunch	0.070	0.388	153
	pmeal3	P/Evening meal	0.089	0.276	153
	prepeat6	P/Repeating G6	-0.521	0.000	153
	zprepeat	R:/ grade repetition	-0.539	0.000	153
MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		176
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.270	0.000	176
	zpses	D:/ pupil's SES	0.368	0.000	176
	zpsex	R:/ pupil sex	0.200	0.008	176
	pstay	P/Place to stay	-0.247	0.001	176
	zpbooksh	D:/ the number of books at home	0.051	0.504	176
	pmeal1	P/Morning meal	-0.065	0.388	176
	pmeal2	P/Lunch	-0.031	0.681	176
	pmeal3	P/Evening meal	0.129	0.089	176
	prepeat6	P/Repeating G6	0.099	0.192	176
	zprepeat	R:/ grade repetition	0.259	0.001	176
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.504	0.000	270
	zpses	D:/ pupil's SES	0.798	0.000	270
	zpsex	R:/ pupil sex	-0.057	0.347	270
	pstay	P/Place to stay	-0.049	0.422	270
	zpbooksh	D:/ the number of books at home	0.394	0.000	270
	pmeal1	P/Morning meal	0.222	0.000	270
	pmeal2	P/Lunch	0.269	0.000	270
	pmeal3	P/Evening meal	0.150	0.014	270
	prepeat6	P/Repeating G6	-0.322	0.000	270
	zprepeat	R:/ grade repetition	-0.523	0.000	270
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.183	0.392	24
	zpses	D:/ pupil's SES	0.701	0.000	24
	zpsex	R:/ pupil sex	0.148	0.491	24
	pstay	P/Place to stay	-0.052	0.810	24
	zpbooksh	D:/ the number of books at home	0.631	0.001	24
	pmeal1	P/Morning meal	0.277	0.190	24
	pmeal2	P/Lunch	0.278	0.188	24
	pmeal3	P/Evening meal	0.375	0.071	24
	prepeat6	P/Repeating G6	0.063	0.771	24
	zprepeat	R:/ grade repetition	0.032	0.881	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.523	0.000	169
	zpses	D:/ pupil's SES	0.776	0.000	169
	zpsex	R:/ pupil sex	0.217	0.005	169
	pstay	P/Place to stay	-0.347	0.000	169
	zpbooksh	D:/ the number of books at home	0.423	0.000	169
	pmeal1	P/Morning meal	0.215	0.005	169
	pmeal2	P/Lunch	0.312	0.000	169
	pmeal3	P/Evening meal	0.376	0.000	169
	prepeat6	P/Repeating G6	-0.467	0.000	169
	zprepeat	R:/ grade repetition	-0.675	0.000	169



SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168	
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.501	<u>0.000</u>	168	
	zpses	D:/ pupil's SES	0.609	<u>0.000</u>	168	
	zpsex	R:/ pupil sex	-0.022	0.781	168	
	pstay	P/Place to stay	-0.109	0.158	168	
	zpbooksh	D:/ the number of books at hom	0.292	<u>0.000</u>	168	
	pmeal1	P/Morning meal	0.106	0.172	168	
	pmeal2	P/Lunch	0.145	0.061	168	
	pmeal3	P/Evening meal	0.067	0.391	168	
	prepeat6	P/Repeating G6	-0.147	0.057	168	
	zprepeat	R:/ grade repetition	-0.401	<u>0.000</u>	168	
	TAN	ratotp	SCR:/ pupil reading-all total raw score	1.000		181
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.323	<u>0.000</u>	181
zpses		D:/ pupil's SES	0.629	<u>0.000</u>	181	
zpsex		R:/ pupil sex	0.013	0.867	181	
pstay		P/Place to stay	-0.053	0.477	181	
zpbooksh		D:/ the number of books at hom	-0.035	0.636	181	
pmeal1		P/Morning meal	0.295	<u>0.000</u>	181	
pmeal2		P/Lunch	0.343	<u>0.000</u>	181	
pmeal3		P/Evening meal	0.096	0.199	181	
prepeat6		P/Repeating G6	-0.132	0.075	181	
zprepeat		R:/ grade repetition	-0.235	<u>0.001</u>	181	
UGA		ratotp	SCR:/ pupil reading-all total raw score	1.000		163
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.445	<u>0.000</u>	163
	zpses	D:/ pupil's SES	0.567	<u>0.000</u>	163	
	zpsex	R:/ pupil sex	0.141	0.073	163	
	pstay	P/Place to stay	-0.067	0.394	163	
	zpbooksh	D:/ the number of books at hom	0.203	<u>0.009</u>	163	
	pmeal1	P/Morning meal	0.351	<u>0.000</u>	163	
	pmeal2	P/Lunch	0.268	<u>0.001</u>	163	
	pmeal3	P/Evening meal	0.344	<u>0.000</u>	163	
	prepeat6	P/Repeating G6	-0.275	<u>0.000</u>	163	
	zprepeat	R:/ grade repetition	-0.196	<u>0.012</u>	163	
	ZAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		173
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.549	<u>0.000</u>	173
zpses		D:/ pupil's SES	0.670	<u>0.000</u>	173	
zpsex		R:/ pupil sex	0.166	0.029	173	
pstay		P/Place to stay	0.130	0.088	173	
zpbooksh		D:/ the number of books at hom	0.410	<u>0.000</u>	173	
pmeal1		P/Morning meal	0.407	<u>0.000</u>	173	
pmeal2		P/Lunch	0.026	0.736	173	
pmeal3		P/Evening meal	-0.045	0.552	173	
prepeat6		P/Repeating G6	-0.119	0.120	173	
zprepeat		R:/ grade repetition	-0.328	<u>0.000</u>	173	
ZAN		ratotp	SCR:/ pupil reading-all total raw score	1.000		145
		zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.152	0.068	145
	zpses	D:/ pupil's SES	0.424	<u>0.000</u>	145	
	zpsex	R:/ pupil sex	-0.119	0.153	145	
	pstay	P/Place to stay	-0.303	<u>0.000</u>	145	
	zpbooksh	D:/ the number of books at hom	0.208	<u>0.012</u>	145	
	pmeal1	P/Morning meal	0.267	<u>0.001</u>	145	
pmeal2	P/Lunch	0.137	0.101	145		



	pmeal3	P/Evening meal	0.211	0.011	145
	prepeat6	P/Repeating G6	-0.033	0.695	145
	zprepeat	R:/ grade repetition	-0.128	0.124	145

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

### APPENDIX 73

#### SACMEQ PRE-EXISTING PUPIL CHARACTERISTICS - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	matotp	SCR:/ pupil math-all total raw score	1.000		170
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.357	0.000	170
	zpses	D:/ pupil's SES	0.560	0.000	170
	pstay	P/Place to stay	-0.267	0.000	170
	zpbbooksh	D:/ the number of books at home	0.677	0.000	170
	pmeal1	P/Morning meal	0.071	0.357	170
	pmeal2	P/Lunch	0.218	0.004	170
	pmeal3	P/Evening meal	0.191	0.013	170
	zpsex	R:/ pupil sex	-0.042	0.591	170
	zprepeat	R:/ grade repetition	-0.245	0.001	170
KEN	prepeat6	P/Repeating G6	-0.136	0.077	170
	matotp	SCR:/ pupil math-all total raw score	1.000		185
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.492	0.000	185
	zpses	D:/ pupil's SES	0.564	0.000	185
	pstay	P/Place to stay	0.141	0.056	185
	zpbbooksh	D:/ the number of books at home	0.347	0.000	185
	pmeal1	P/Morning meal	0.176	0.017	185
	pmeal2	P/Lunch	0.207	0.005	185
	pmeal3	P/Evening meal	0.186	0.011	185
	zpsex	R:/ pupil sex	0.012	0.869	185
LES	zprepeat	R:/ grade repetition	-0.139	0.060	185
	prepeat6	P/Repeating G6	-0.311	0.000	185
	matotp	SCR:/ pupil math-all total raw score	1.000		177
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.266	0.000	177
	zpses	D:/ pupil's SES	0.283	0.000	177
	pstay	P/Place to stay	0.093	0.219	177
	zpbbooksh	D:/ the number of books at home	0.128	0.089	177
	pmeal1	P/Morning meal	-0.033	0.659	177
	pmeal2	P/Lunch	0.008	0.915	177
	pmeal3	P/Evening meal	-0.005	0.948	177
MAL	zpsex	R:/ pupil sex	0.004	0.962	177
	zprepeat	R:/ grade repetition	-0.188	0.012	177
	prepeat6	P/Repeating G6	-0.003	0.971	177
	matotp	SCR:/ pupil math-all total raw score	1.000		140
	zpageomon	D:/ pupil's age in months rounded to the nearest month	-0.019	0.822	140
	zpses	D:/ pupil's SES	0.292	0.000	140
	pstay	P/Place to stay	-0.012	0.889	140
	zpbbooksh	D:/ the number of books at home	0.358	0.000	140
	pmeal1	P/Morning meal	0.049	0.568	140
	pmeal2	P/Lunch	0.046	0.592	140
pmeal3	P/Evening meal	0.043	0.611	140	



	zpsex	R:/ pupil sex	-0.202	0.017	140
	zprepeat	R:/ grade repetition	-0.356	0.000	140
	prepeat6	P/Repeating G6	-0.029	0.737	140
MAU	matotp	SCR:/ pupil math-all total raw score	1.000		153
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.521	0.000	153
	zpses	D:/ pupil's SES	0.590	0.000	153
	pstay	P/Place to stay	-0.165	0.042	153
	zpbooksh	D:/ the number of books at hom	0.461	0.000	153
	pmeal1	P/Morning meal	0.233	0.004	153
	pmeal2	P/Lunch	0.091	0.266	153
	pmeal3	P/Evening meal	0.095	0.243	153
	zpsex	R:/ pupil sex	0.139	0.086	153
	zprepeat	R:/ grade repetition	-0.556	0.000	153
	prepeat6	P/Repeating G6	-0.520	0.000	153
MOZ	matotp	SCR:/ pupil math-all total raw score	1.000		176
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.155	0.040	176
	zpses	D:/ pupil's SES	0.216	0.004	176
	pstay	P/Place to stay	-0.175	0.020	176
	zpbooksh	D:/ the number of books at hom	-0.031	0.680	176
	pmeal1	P/Morning meal	0.026	0.728	176
	pmeal2	P/Lunch	0.050	0.512	176
	pmeal3	P/Evening meal	0.225	0.003	176
	zpsex	R:/ pupil sex	0.095	0.211	176
	zprepeat	R:/ grade repetition	0.179	0.017	176
	prepeat6	P/Repeating G6	0.089	0.238	176
NAM	matotp	SCR:/ pupil math-all total raw score	1.000		270
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.487	0.000	270
	zpses	D:/ pupil's SES	0.747	0.000	270
	pstay	P/Place to stay	-0.042	0.492	270
	zpbooksh	D:/ the number of books at hom	0.393	0.000	270
	pmeal1	P/Morning meal	0.208	0.001	270
	pmeal2	P/Lunch	0.258	0.000	270
	pmeal3	P/Evening meal	0.133	0.029	270
	zpsex	R:/ pupil sex	-0.132	0.030	270
	zprepeat	R:/ grade repetition	-0.530	0.000	270
	prepeat6	P/Repeating G6	-0.312	0.000	270
SEY	matotp	SCR:/ pupil math-all total raw score	1.000		24
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.315	0.134	24
	zpses	D:/ pupil's SES	0.731	0.000	24
	pstay	P/Place to stay	-0.270	0.203	24
	zpbooksh	D:/ the number of books at hom	0.586	0.003	24
	pmeal1	P/Morning meal	0.318	0.130	24
	pmeal2	P/Lunch	0.245	0.249	24
	pmeal3	P/Evening meal	0.229	0.281	24
	zpsex	R:/ pupil sex	0.137	0.524	24
	zprepeat	R:/ grade repetition	-0.083	0.700	24
	prepeat6	P/Repeating G6	-0.169	0.431	24
SOU	matotp	SCR:/ pupil math-all total raw score	1.000		169
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.442	0.000	169
	zpses	D:/ pupil's SES	0.699	0.000	169
	pstay	P/Place to stay	-0.296	0.000	169
	zpbooksh	D:/ the number of books at hom	0.491	0.000	169



	pmeal1	P/Morning meal	0.250	0.001	169
	pmeal2	P/Lunch	0.323	0.000	169
	pmeal3	P/Evening meal	0.375	0.000	169
	zpsex	R:/ pupil sex	0.187	0.015	169
	zprepeat	R:/ grade repetition	-0.646	0.000	169
	prepeat6	P/Repeating G6	-0.384	0.000	169
SWA	matotp	SCR:/ pupil math-all total raw score	1.000		168
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.354	0.000	168
	zpses	D:/ pupil's SES	0.469	0.000	168
	pstay	P/Place to stay	-0.211	0.006	168
	zpbooksh	D:/ the number of books at home	0.370	0.000	168
	pmeal1	P/Morning meal	0.200	0.009	168
	pmeal2	P/Lunch	0.160	0.038	168
	pmeal3	P/Evening meal	0.211	0.006	168
	zpsex	R:/ pupil sex	-0.024	0.759	168
	zprepeat	R:/ grade repetition	-0.335	0.000	168
	prepeat6	P/Repeating G6	-0.161	0.037	168
TAN	matotp	SCR:/ pupil math-all total raw score	1.000		181
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.264	0.000	181
	zpses	D:/ pupil's SES	0.553	0.000	181
	pstay	P/Place to stay	-0.033	0.659	181
	zpbooksh	D:/ the number of books at home	0.006	0.939	181
	pmeal1	P/Morning meal	0.321	0.000	181
	pmeal2	P/Lunch	0.305	0.000	181
	pmeal3	P/Evening meal	0.136	0.067	181
	zpsex	R:/ pupil sex	0.005	0.944	181
	zprepeat	R:/ grade repetition	-0.177	0.017	181
	prepeat6	P/Repeating G6	-0.061	0.416	181
UGA	matotp	SCR:/ pupil math-all total raw score	1.000		163
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.323	0.000	163
	zpses	D:/ pupil's SES	0.409	0.000	163
	pstay	P/Place to stay	-0.139	0.077	163
	zpbooksh	D:/ the number of books at home	0.053	0.501	163
	pmeal1	P/Morning meal	0.329	0.000	163
	pmeal2	P/Lunch	0.229	0.003	163
	pmeal3	P/Evening meal	0.327	0.000	163
	zpsex	R:/ pupil sex	0.082	0.296	163
	zprepeat	R:/ grade repetition	-0.259	0.001	163
	prepeat6	P/Repeating G6	-0.305	0.000	163
ZAM	matotp	SCR:/ pupil math-all total raw score	1.000		173
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.415	0.000	173
	zpses	D:/ pupil's SES	0.501	0.000	173
	pstay	P/Place to stay	0.075	0.329	173
	zpbooksh	D:/ the number of books at home	0.301	0.000	173
	pmeal1	P/Morning meal	0.310	0.000	173
	pmeal2	P/Lunch	0.045	0.557	173
	pmeal3	P/Evening meal	0.060	0.433	173
	zpsex	R:/ pupil sex	0.075	0.329	173
	zprepeat	R:/ grade repetition	-0.282	0.000	173
	prepeat6	P/Repeating G6	-0.148	0.051	173
ZAN	matotp	SCR:/ pupil math-all total raw score	1.000		145
	zpageomon	D:/ pupil's age in months rounded to the nearest mont	-0.039	0.645	145



	zpses	D:/ pupil's SES	0.121	0.147	145
	pstay	P/Place to stay	-0.224	<u>0.007</u>	145
	zpbooksh	D:/ the number of books at home	0.085	0.307	145
	pmeal1	P/Morning meal	0.246	<u>0.003</u>	145
	pmeal2	P/Lunch	0.058	0.488	145
	pmeal3	P/Evening meal	0.179	<u>0.031</u>	145
	zpsex	R:/ pupil sex	-0.231	<u>0.005</u>	145
	zprepeat	R:/ grade repetition	-0.096	0.250	145
	prepeat6	P/Repeating G6	-0.087	0.295	145

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)



**APPENDIX 74**

**SACMEQ PARENT AND COMMUNITY SCHOOL INVOLVEMENT - READING**

Countries	Variables	Description	Pearson Corr	Sig.	N
BOT	ratotp	SCR:/ pupil reading-all total raw score	1.000		170
	zphmwkdn	R:/ homework-make sure	0.409	<u>0.000</u>	170
	phmwkhlp	P/Homework-help	0.361	<u>0.000</u>	170
	zpread	R:/ being asked to read	-0.026	0.734	170
	zpquestr	R:/ being asked questions about any subject	0.141	0.067	170
	zpllookwk	R:/ being looked at the school work	0.348	<u>0.000</u>	170
	ztsignen	R:/ reading teacher asking parents to sign	0.340	<u>0.000</u>	170
	fx1zscomm	Community involvement	0.283	<u>0.000</u>	170
	fx2zscomm	Community involvement	-0.132	0.085	170
	sprobcom	S/Community problems	-0.218	<u>0.004</u>	170
KEN	ratotp	SCR:/ pupil reading-all total raw score	1.000		185
	zphmwkdn	R:/ homework-make sure	0.426	<u>0.000</u>	185
	phmwkhlp	P/Homework-help	0.312	<u>0.000</u>	185
	zpread	R:/ being asked to read	0.016	0.826	185
	zpquestr	R:/ being asked questions about any subject	0.141	0.056	185
	zpllookwk	R:/ being looked at the school work	0.377	<u>0.000</u>	185
	ztsignen	R:/ reading teacher asking parents to sign	0.261	<u>0.000</u>	175
	fx1zscomm	Community involvement	-0.235	<u>0.001</u>	184
	sprobcom	S/Community problems	-0.196	<u>0.008</u>	184
	LES	ratotp	SCR:/ pupil reading-all total raw score	1.000	
zphmwkdn		R:/ homework-make sure	0.102	0.177	177
phmwkhlp		P/Homework-help	0.148	<u>0.049</u>	177
zpread		R:/ being asked to read	0.051	0.497	177
zpquestr		R:/ being asked questions about any subject	0.144	0.056	177
zpllookwk		R:/ being looked at the school work	0.214	<u>0.004</u>	177
ztsignen		R:/ reading teacher asking parents to sign	0.016	0.832	177
fx1zscomm		Community involvement	0.141	0.060	177
fx2zscomm		Community involvement	-0.103	0.174	177
sprobcom		S/Community problems	-0.040	0.601	177
MAL	ratotp	SCR:/ pupil reading-all total raw score	1.000		140
	zphmwkdn	R:/ homework-make sure	0.046	0.595	135
	phmwkhlp	P/Homework-help	0.085	0.318	140
	zpread	R:/ being asked to read	-0.015	0.860	140
	zpquestr	R:/ being asked questions about any subject	-0.091	0.283	140
	zpllookwk	R:/ being looked at the school work	-0.011	0.901	140
	ztsignen	R:/ reading teacher asking parents to sign	0.003	0.972	139
	fx1zscomm	Community involvement	0.236	<u>0.005</u>	140
	fx2zscomm	Community involvement	-0.300	<u>0.000</u>	140
	fx3zscomm	Community involvement	0.254	<u>0.003</u>	140
sprobcom	S/Community problems	0.122	0.152	140	
MAU	ratotp	SCR:/ pupil reading-all total raw score	1.000		153
	zphmwkdn	R:/ homework-make sure	0.007	0.934	153
	phmwkhlp	P/Homework-help	0.094	0.246	153
	zpread	R:/ being asked to read	0.035	0.671	153
	zpquestr	R:/ being asked questions about any subject	0.078	0.340	153



	zpllookwk	R:/ being looked at the school worl	0.184	<u>0.023</u>	153
	ztsignen	R:/ reading teacher asking parents to sigr	0.110	0.176	153
	fx1zscomm	Community involvimen	0.151	0.062	153
	fx2zscomm	Community involvimen	-0.203	<u>0.012</u>	153
	sprobcom	S/Community problems	-0.309	<u>0.000</u>	153
MOZ	ratotp	SCR:/ pupil reading-all total raw score	1.000		176
	zphmwkdn	R:/ homework-make sure	0.044	0.565	176
	phmwkhlp	P/Homework-help	-0.044	0.558	176
	zpread	R:/ being asked to read	-0.186	<u>0.014</u>	176
	zpquestr	R:/ being asked questions about any subjec	-0.264	<u>0.000</u>	176
	zpllookwk	R:/ being looked at the school worl	-0.076	0.313	176
	ztsignen	R:/ reading teacher asking parents to sigr	-0.008	0.916	173
	fx1zscomm	Community involvimen	-0.127	0.102	168
	fx2zscomm	Community involvimen	0.127	0.100	168
	sprobcom	S/Community problems	-0.144	0.062	168
NAM	ratotp	SCR:/ pupil reading-all total raw score	1.000		270
	zphmwkdn	R:/ homework-make sure	0.293	<u>0.000</u>	270
	phmwkhlp	P/Homework-help	0.072	0.238	270
	zpread	R:/ being asked to read	-0.239	<u>0.000</u>	270
	zpquestr	R:/ being asked questions about any subjec	-0.262	<u>0.000</u>	270
	zpllookwk	R:/ being looked at the school worl	0.072	0.236	270
	ztsignen	R:/ reading teacher asking parents to sigr	0.082	0.178	269
	fx1zscomm	Community involvimen	0.507	<u>0.000</u>	270
	fx2zscomm	Community involvimen	-0.210	<u>0.001</u>	270
	fx3zscomm	Community involvimen	0.192	<u>0.002</u>	270
	sprobcom	S/Community problems	-0.028	0.645	270
SEY	ratotp	SCR:/ pupil reading-all total raw score	1.000		24
	zphmwkdn	R:/ homework-make sure	0.172	0.421	24
	phmwkhlp	P/Homework-help	0.075	0.727	24
	zpread	R:/ being asked to read	-0.275	0.194	24
	zpquestr	R:/ being asked questions about any subjec	0.064	0.766	24
	zpllookwk	R:/ being looked at the school worl	0.084	0.696	24
	ztsignen	R:/ reading teacher asking parents to sigr	-0.270	0.202	24
	fx1zscomm	Community involvimen	0.247	0.244	24
	fx2zscomm	Community involvimen	-0.145	0.500	24
	fx3zscomm	Community involvimen	-0.170	0.427	24
	sprobcom	S/Community problems	-0.410	<u>0.047</u>	24
SOU	ratotp	SCR:/ pupil reading-all total raw score	1.000		169
	zphmwkdn	R:/ homework-make sure	0.329	<u>0.000</u>	169
	phmwkhlp	P/Homework-help	0.152	<u>0.048</u>	169
	zpread	R:/ being asked to read	-0.254	<u>0.001</u>	169
	zpquestr	R:/ being asked questions about any subjec	-0.198	<u>0.010</u>	169
	zpllookwk	R:/ being looked at the school worl	0.239	<u>0.002</u>	169
	ztsignen	R:/ reading teacher asking parents to sigr	0.215	<u>0.006</u>	164
	fx1zscomm	Community involvimen	0.281	<u>0.000</u>	167
	fx2zscomm	Community involvimen	0.462	<u>0.000</u>	167
	fx3zscomm	Community involvimen	0.281	<u>0.000</u>	167
	sprobcom	S/Community problems	-0.201	<u>0.009</u>	167
SWA	ratotp	SCR:/ pupil reading-all total raw score	1.000		168
	zphmwkdn	R:/ homework-make sure	0.267	<u>0.000</u>	168





	phmwkhlꞤ	P/Homework-helꞤ	0.264	<u>0.001</u>	168
	zpread	R:/ being asked to read	-0.053	0.495	168
	zppurestr	R:/ being asked questions about any subjeꞤ	0.087	0.260	168
	zppureokwk	R:/ being looked at the school worl	0.159	<u>0.040</u>	168
	zppuresignen	R:/ reading teacher asking parents to sigr	0.275	<u>0.000</u>	164
	fx1zppurecomm	Community involvimen	0.088	0.259	168
	fx2zppurecomm	Community involvimen	-0.138	0.074	168
	sppurebcom	S/Community problems	-0.121	0.117	168
TAN	ratotꞤ	SCR:/ pupil reading-all total raw score	1.000		181
	zppurehmwkdn	R:/ homework-make sure	0.082	0.271	181
	phmwkhlꞤ	P/Homework-helꞤ	0.292	<u>0.000</u>	181
	zppuread	R:/ being asked to read	0.145	0.052	181
	zppurequester	R:/ being asked questions about any subjeꞤ	0.328	<u>0.000</u>	181
	zppurelookwk	R:/ being looked at the school worl	0.347	<u>0.000</u>	181
	zppuretsignen	R:/ reading teacher asking parents to sigr	0.134	0.074	179
	fx1zppurecomm	Community involvimen	0.258	<u>0.000</u>	181
	fx2zppurecomm	Community involvimen	-0.092	0.217	181
	sppurebcom	S/Community problems	0.066	0.376	181
UGA	ratotꞤ	SCR:/ pupil reading-all total raw score	1.000		163
	zppurehmwkdn	R:/ homework-make sure	0.117	0.136	163
	phmwkhlꞤ	P/Homework-helꞤ	0.118	0.135	163
	zppuread	R:/ being asked to read	-0.022	0.781	163
	zppurequester	R:/ being asked questions about any subjeꞤ	0.052	0.513	163
	zppurelookwk	R:/ being looked at the school worl	0.175	<u>0.025</u>	163
	zppuretsignen	R:/ reading teacher asking parents to sigr	0.015	0.850	159
	fx1zppurecomm	Community involvimen	0.244	<u>0.002</u>	163
	fx2zppurecomm	Community involvimen	0.174	<u>0.027</u>	163
	fx3zppurecomm	Community involvimen	0.143	0.069	163
ZAM	ratotꞤ	SCR:/ pupil reading-all total raw score	1.000		173
	zppurehmwkdn	R:/ homework-make sure	0.314	<u>0.000</u>	173
	phmwkhlꞤ	P/Homework-helꞤ	0.308	<u>0.000</u>	173
	zppuread	R:/ being asked to read	0.166	<u>0.029</u>	173
	zppurequester	R:/ being asked questions about any subjeꞤ	0.374	<u>0.000</u>	173
	zppurelookwk	R:/ being looked at the school worl	0.380	<u>0.000</u>	173
	zppuretsignen	R:/ reading teacher asking parents to sigr	0.273	<u>0.000</u>	169
	fx1zppurecomm	Community involvimen	0.355	<u>0.000</u>	169
	fx2zppurecomm	Community involvimen	-0.153	<u>0.047</u>	169
	fx3zppurecomm	Community involvimen	0.299	<u>0.000</u>	169
	sppurebcom	S/Community problems	-0.200	<u>0.009</u>	169
ZAN	ratotꞤ	SCR:/ pupil reading-all total raw score	1.000		145
	zppurehmwkdn	R:/ homework-make sure	0.102	0.220	145
	phmwkhlꞤ	P/Homework-helꞤ	0.106	0.203	145
	zppuread	R:/ being asked to read	-0.069	0.407	145
	zppurequester	R:/ being asked questions about any subjeꞤ	0.031	0.708	145
	zppurelookwk	R:/ being looked at the school worl	-0.003	0.969	145
	zppuretsignen	R:/ reading teacher asking parents to sigr	0.097	0.255	140
	fx1zppurecomm	Community involvimen	0.076	0.362	145
	fx2zppurecomm	Community involvimen	0.126	0.132	145
	sppurebcom	S/Community problems	-0.231	<u>0.005</u>	145

\*\* Correlation is significant at the 0.01 level (2-tailed)

\* Correlation is significant at the 0.05 level (2-tailed)

## APPENDIX 74

### SACMEQ PARENT AND COMMUNITY SCHOOL INVOLVEMENT - MATHEMATICS

Countries	Variables	Description	Pearson Corr	Sig. (2- tailed)	N
BOT	ratotp	SCR:/ pupil math-all total raw score	1.000		170
	zphmwkdn	R:/ homework-make sure	0.394	<u>0.000</u>	170
	phmwkhlp	R:/ homework-help	0.242	<u>0.001</u>	170
	zpcalc	R:/ being asked to calculate	0.194	<u>0.011</u>	170
	zpquestm	R:/ being asked questions about mathematic	0.106	0.171	170
	zplookwk	R:/ being looked at the school worl	0.338	<u>0.000</u>	170
	ztsignen	R:/ reading teacher asking parents to sigr	-0.109	0.158	169
	fy1zscomm	Community involvimen	0.325	<u>0.000</u>	170
	fy2zscomm	Community involvimen	-0.184	<u>0.016</u>	170
	sprobcom	S/Community problems	-0.282	<u>0.000</u>	170
KEN	ratotp	SCR:/ pupil math-all total raw score	1.000		185
	zphmwkdn	R:/ homework-make sure	0.408	<u>0.000</u>	185
	phmwkhlp	R:/ homework-help	0.267	<u>0.000</u>	185
	zpcalc	R:/ being asked to calculate	0.236	<u>0.001</u>	185
	zpquestm	R:/ being asked questions about mathematic	0.135	0.067	185
	zplookwk	R:/ being looked at the school worl	0.332	<u>0.000</u>	185
	ztsignen	R:/ reading teacher asking parents to sigr	-0.071	0.335	185
	fy1zscomm	Community involvimen	-0.168	<u>0.022</u>	184
	fy2zscomm	Community involvimen	0.053	0.479	184
	sprobcom	S/Community problems	-0.259	<u>0.000</u>	184
LES	ratotp	SCR:/ pupil math-all total raw score	1.000		177
	zphmwkdn	R:/ homework-make sure	0.045	0.549	177
	phmwkhlp	R:/ homework-help	0.007	0.922	177
	zpcalc	R:/ being asked to calculate	0.070	0.357	177
	zpquestm	R:/ being asked questions about mathematic	0.096	0.204	177
	zplookwk	R:/ being looked at the school worl	0.128	0.089	177
	ztsignen	R:/ reading teacher asking parents to sigr	-0.051	0.506	175
	fy1zscomm	Community involvimen	0.066	0.383	177
	fy2zscomm	Community involvimen	-0.091	0.229	177
	sprobcom	S/Community problems	-0.018	0.815	177
MAL	ratotp	SCR:/ pupil math-all total raw score	1.000		140
	zphmwkdn	R:/ homework-make sure	0.134	0.121	135
	phmwkhlp	R:/ homework-help	0.167	<u>0.049</u>	140
	zpcalc	R:/ being asked to calculate	-0.094	0.269	140
	zpquestm	R:/ being asked questions about mathematic	-0.073	0.389	140
	zplookwk	R:/ being looked at the school worl	-0.101	0.234	140
	ztsignen	R:/ reading teacher asking parents to sigr	0.149	0.084	135
	fy1zscomm	Community involvimen	0.261	<u>0.002</u>	140
	fy2zscomm	Community involvimen	-0.219	<u>0.009</u>	140
	fy3zscomm	Community involvimen	0.118	0.167	140
sprobcom	S/Community problems	0.065	0.444	140	
MAU	ratotp	SCR:/ pupil math-all total raw score	1.000		153
	zphmwkdn	R:/ homework-make sure	0.001	0.989	153



	phmwkhlꞑ	R:/ homework-help	0.102	0.209	153
	zpcalc	R:/ being asked to calculate	0.182	<u>0.025</u>	153
	zpquestm	R:/ being asked questions about mathematic:	0.084	0.304	153
	zplookwk	R:/ being looked at the school worl	0.166	<u>0.040</u>	153
	ztsignen	R:/ reading teacher asking parents to sigr	0.027	0.741	153
	fy1zscomm	Community involvimen	0.172	<u>0.034</u>	153
	fy2zscomm	Community involvimen	-0.231	<u>0.004</u>	153
	sprobcom	S/Community problems	-0.333	<u>0.000</u>	153
MOZ	ratotp	SCR:/ pupil math-all total raw score	1.000		176
	zphmwkdn	R:/ homework-make sure	0.093	0.221	176
	phmwkhlꞑ	R:/ homework-help	0.014	0.849	176
	zpcalc	R:/ being asked to calculate	-0.158	<u>0.036</u>	176
	zpquestm	R:/ being asked questions about mathematic:	-0.185	<u>0.014</u>	176
	zplookwk	R:/ being looked at the school worl	-0.088	0.244	176
	ztsignen	R:/ reading teacher asking parents to sigr	-0.039	0.613	172
	fy1zscomm	Community involvimen	-0.180	<u>0.019</u>	168
	fy2zscomm	Community involvimen	0.111	0.153	168
	sprobcom	S/Community problems	-0.148	0.056	168
NAM	ratotp	SCR:/ pupil math-all total raw score	1.000		270
	zphmwkdn	R:/ homework-make sure	0.284	<u>0.000</u>	270
	phmwkhlꞑ	R:/ homework-help	0.026	0.665	270
	zpcalc	R:/ being asked to calculate	-0.009	0.883	270
	zpquestm	R:/ being asked questions about mathematic:	-0.124	<u>0.041</u>	270
	zplookwk	R:/ being looked at the school worl	0.027	0.665	270
	ztsignen	R:/ reading teacher asking parents to sigr	0.053	0.412	243
	fy1zscomm	Community involvimen	0.478	<u>0.000</u>	270
	fy2zscomm	Community involvimen	-0.180	<u>0.003</u>	270
	fy3zscomm	Community involvimen	0.234	<u>0.000</u>	270
	sprobcom	S/Community problems	-0.036	0.557	270
SEY	ratotp	SCR:/ pupil math-all total raw score	1.000		24
	zphmwkdn	R:/ homework-make sure	0.252	0.235	24
	phmwkhlꞑ	R:/ homework-help	0.059	0.784	24
	zpcalc	R:/ being asked to calculate	0.102	0.635	24
	zpquestm	R:/ being asked questions about mathematic:	0.256	0.227	24
	zplookwk	R:/ being looked at the school worl	0.109	0.612	24
	ztsignen	R:/ reading teacher asking parents to sigr	-0.204	0.352	23
	fy1zscomm	Community involvimen	0.113	0.600	24
	fy2zscomm	Community involvimen	-0.144	0.501	24
	sprobcom	S/Community problems	-0.439	<u>0.032</u>	24
SOU	ratotp	SCR:/ pupil math-all total raw score	1.000		169
	zphmwkdn	R:/ homework-make sure	0.279	<u>0.000</u>	169
	phmwkhlꞑ	R:/ homework-help	0.043	0.575	169
	zpcalc	R:/ being asked to calculate	-0.046	0.549	169
	zpquestm	R:/ being asked questions about mathematic:	-0.048	0.532	169
	zplookwk	R:/ being looked at the school worl	0.129	0.094	169
	ztsignen	R:/ reading teacher asking parents to sigr	-0.064	0.418	163
	fy1zscomm	Community involvimen	0.276	<u>0.000</u>	167
	fy2zscomm	Community involvimen	0.495	<u>0.000</u>	167
	fy3zscomm	Community involvimen	0.292	<u>0.000</u>	167
	sprobcom	S/Community problems	-0.244	<u>0.002</u>	167



SWA	ratotp	SCR:/ pupil math-all total raw score	1.000		168
	zphmwkdn	R:/ homework-make sure	0.232	<del>0.002</del>	168
	phmwkhlp	R:/ homework-help	0.124	0.108	168
	zpcalc	R:/ being asked to calculate	-0.016	0.837	168
	zpquestm	R:/ being asked questions about mathematics	-0.040	0.609	168
	zplookwk	R:/ being looked at the school work	0.099	0.203	168
	ztsignen	R:/ reading teacher asking parents to sign	0.072	0.358	167
	fy1zscomm	Community involvement	0.070	0.368	168
	fy2zscomm	Community involvement	0.028	0.720	168
	sprobcom	S/Community problems	-0.102	0.190	168
TAN	ratotp	SCR:/ pupil math-all total raw score	1.000		181
	zphmwkdn	R:/ homework-make sure	0.170	<del>0.022</del>	181
	phmwkhlp	R:/ homework-help	0.353	<del>0.000</del>	181
	zpcalc	R:/ being asked to calculate	0.386	<del>0.000</del>	181
	zpquestm	R:/ being asked questions about mathematics	0.405	<del>0.000</del>	181
	zplookwk	R:/ being looked at the school work	0.396	<del>0.000</del>	181
	ztsignen	R:/ reading teacher asking parents to sign	0.030	0.691	175
	fy1zscomm	Community involvement	0.163	<del>0.029</del>	181
	fy2zscomm	Community involvement	0.100	0.180	181
	sprobcom	S/Community problems	0.130	0.081	181
UGA	ratotp	SCR:/ pupil math-all total raw score	1.000		163
	zphmwkdn	R:/ homework-make sure	0.023	0.766	163
	phmwkhlp	R:/ homework-help	0.056	0.482	163
	zpcalc	R:/ being asked to calculate	-0.117	0.137	163
	zpquestm	R:/ being asked questions about mathematics	-0.161	<del>0.040</del>	163
	zplookwk	R:/ being looked at the school work	0.027	0.732	163
	ztsignen	R:/ reading teacher asking parents to sign	-0.090	0.255	163
	fy1zscomm	Community involvement	0.154	<del>0.050</del>	163
	fy2zscomm	Community involvement	0.140	0.074	163
	sprobcom	S/Community problems	-0.158	<del>0.044</del>	163
ZAM	ratotp	SCR:/ pupil math-all total raw score	1.000		173
	zphmwkdn	R:/ homework-make sure	0.306	<del>0.000</del>	173
	phmwkhlp	R:/ homework-help	0.242	<del>0.001</del>	173
	zpcalc	R:/ being asked to calculate	0.218	<del>0.004</del>	173
	zpquestm	R:/ being asked questions about mathematics	0.297	<del>0.000</del>	173
	zplookwk	R:/ being looked at the school work	0.285	<del>0.000</del>	173
	ztsignen	R:/ reading teacher asking parents to sign	0.069	0.384	162
	fy1zscomm	Community involvement	0.160	<del>0.038</del>	169
	fy2zscomm	Community involvement	0.260	<del>0.001</del>	169
	fy3zscomm	Community involvement	0.131	0.090	169
	sprobcom	S/Community problems	-0.146	0.058	169
ZAN	ratotp	SCR:/ pupil math-all total raw score	1.000		145
	zphmwkdn	R:/ homework-make sure	0.070	0.405	145
	phmwkhlp	R:/ homework-help	0.039	0.644	145
	zpcalc	R:/ being asked to calculate	0.007	0.936	145
	zpquestm	R:/ being asked questions about mathematics	0.014	0.865	145
	zplookwk	R:/ being looked at the school work	-0.070	0.399	145
	ztsignen	R:/ reading teacher asking parents to sign	0.091	0.297	133
	fy1zscomm	Community involvement	-0.134	0.108	145
	fy2zscomm	Community involvement	-0.177	<del>0.034</del>	145



	sprobcom	S/Community problems	-0.099	0.234	145
**	Correlation is significant at the 0.01 level (2-tailed)				
*	Correlation is significant at the 0.05 level (2-tailed)				

**APPENDIX 75**

**MAIN PREDICTORS OF PUPIL PERFORMANCE IN SACMEQ COUNTRIES (Stepwise)**

Var	Domain /Construct	SAC		BOT		KEN		LES		MAL		MAU		MOZ		NAM		SEY		SOU		SWA		TAN		UGA		ZAM		ZAN	
		R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M
zxsat01	A																														
zxsat03	A														X				X										X		
zxsat04	A									X								X													
zxsat05	A																														
zxsat07	A					X																									
zxsat08	A																														
zxsat10	A																														
zxsat12	A											X	X																		
zxsat13	A																														
zxsat14	A																														
zxsat15	A																														
zxsat16	A																														
fx1tract	B			X													X									X					
fx1trappr	B	X					X																								
fx1zsacthd	B													X																	
pabsent	B	X	X								X							X			X	X					X				
sexpall	B																														
sexptch	B																														
sexpthis	B	X	X																												
slost	B																														
tractmos	B																														
trgoalmo	B																														
xexper	B																						X								
xmeeusua	B	X									X																				
xoutwork	B											X																			
zpabwhy2	B																														
zpabwhy3	B																														
zpabwhy4	B	X	X		X								X	X																	
zpabwhy6	B																				X										
zpenglis	B																														
ztrepeng	B	X	X	X	X	X					X	X		X				X								X					
zttestre	B													X																	
zxmeet	B											X	X																		
fx1trgoal	C																											X			
fx2trgoal	C																														
matotp	C																														

  

	Main predictors of pupil performance in SACMEQ	SAC		BOT		KEN		LES		MAL		MAU		MOZ		NAM		SEY		SOU		SWA		TAN		UGA		ZAM		ZAN	
	Domain /Construct	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M	R	M



