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Appendix 1

Sources and References for Variables Included In Multiple Multivariate Equation

Variable Name	Description
1. VOTE_TURN_04	Provincial Voter Turnout – 2004 Provincial Elections
	Independent Electoral Commission (2004) <i>National and Provincial Elections 2004</i> . Retrieved October 17, 2005, from http://www.elections.org.za/Elections2004_Static.asp?radResult=50
2. PARTY_EFF_04	Party Effects/Dichotomous Var. (1) ANC Prov. Legislature
	Independent Electoral Commission (2004) <i>Provincial Seat Allocation – Election 2004</i> Retrieved October 18, 2005, from http://www.elections.org.za/papers/119/Seat%20Allocation%20-%20Elections%202004.pdf
	Knight, R. (2004). <i>Shared Interest – A Decade of Democracy: Government and Elections</i> . Retrieved October 17, 2005, from http://richardknight.homestead.com/files/sigovernmentandelections2004.htm
3. WH_RACE_01	Percent of Provincial Population That Are White
	Statistics South Africa (2003). <i>Census 2001: Primary Tables South Africa</i> , p. 5. Retrieved October 19, 2005, from http://www.statssa.gov.za/census01/html/C2001PrimTables.asp
4. EDUCA_01	No. of Individuals w/less than Std.10 Education
	Statistics South Africa (2003). <i>Census 2001: Primary Tables South Africa</i> , p. 37. Retrieved October 19, 2005, from http://www.statssa.gov.za/census01/html/C2001PrimTables.asp



5. INC_01 % of Prov. Pop. (Age 15-65) w/income R400-800/month

Statistics South Africa (2003). *Census 2001: Primary Tables South Africa*, p. 75. Retrieved October 19, 2005, from <http://www.statssa.gov.za/census01/html/C2001PrimTables.asp>

6. AIDS_PREV_02 Prov. HIV/AIDS Prevalence Rate at July 2002

Hickey, A. Ndlovu, N. & Guthrie, T. (2003). *Budgeting for HIV/AIDS In South Africa: Report on Intergovernmental Funding Flows for an Integrated Response In the Social Sector*. Cape Town: IDASA

7. NEED_04 Those Not Economically Active at March 2004

Statistics South Africa. (2005, March). *Labour Force Survey*. (Statistical Release P0210, p. 18). Retrieved October 20, 2005, from <http://www.statssa.gov.za/publications/P0210/P0210September,March2000,2005.pdf#search='Labour%20Force%20Survey%2C%20Statistical%20Release%20P0210%2C%20September%202000%20to%20March%202005'>

8. LAT_GROUP_04 Latent Group Influence - % Change in Voter Reg. '99 – '04

Calculated increase in registered voters = $(\text{REG_VOTERS_04} - \text{REG_VOTERS_99}) / \text{REG_VOTERS_99}$

9. SPEC_INT_01 Special Interest Group TAC Influence On Aids Policy

Treatment Action Campaign (2003, February). *Annual Report*. Durban: TAC.

10. Δ_PROV_GDP_03 % Change in Prov. Economic Productivity 2002-2003

Change in provincial growth = $(\text{PROV_GDP_03} - \text{PROV_GDP_02}) / \text{PROV_GDP_02}$

11. PROV_SPEND_03 Provincial HIV/AIDS Expenditure for 2003

Hickey, A. Ndlovu, N. & Guthrie, T. (2003). *Budgeting for HIV/AIDS In South Africa: Report on Intergovernmental Funding Flows for an Integrated Response In the Social Sector*. Cape Town: IDASA.



12. REG_VOTERS_99 Registered Voters for April 2004 Elections

Sachs, M. (2004, October). *Unity in Action At the Ballot Box*. (Umrabulo, no. 21).
Johannesburg: African National Congress.

13. REG_VOTERS_04 Registered Voters for 1999 Elections

Independent Electoral Commission (2004) *National and Provincial Elections 2004*. Retrieved
October 17, 2005, from http://www.elections.org.za/Elections2004_Static.asp?radResult=50

14. NATL_SPEND_02 Conditional Grants To Provinces for HIV/AIDS Spending

Hickey, A. Ndlovu, N. & Guthrie, T. (2003). *Budgeting for HIV/AIDS In South Africa:
Report on Intergovernmental Funding Flows for an Integrated Response In the Social
Sector* (p. 36) Cape Town: IDASA.

15. TOTAL_POP_01 Total Provincial Population 2001 Age 15 -65

Statistics South Africa (2003). *Census 2001: Primary Tables South Africa* (p. 4.) Retrieved
October 19, 2005, from <http://www.statssa.gov.za/census01/html/C2001PrimTables.asp>

16. TOTAL_POP_03 Total Provincial Population 2003

Hickey, A. Ndlovu, N. & Guthrie, T. (2003). *Budgeting for HIV/AIDS In South Africa:
Report on Intergovernmental Funding Flows for an Integrated Response In the Social
Sector* ((p. 65). Cape Town: IDASA

17. POP_GROW_03 Growth Rate for years 2002-2003

Calculated growth rate = (TOTAL_POP_03 minus TOTAL_POP_01) / TOTAL_POP_01

18. PROV_GDP_02 Provincial GDP for 2002 – Provincial Economic Growth

Department of Trade and Industry (2003). *Gross Domestic Product: South Africa 2003*.
Retrieved October 20, 2005, from <http://www.thedti.gov.za/econdb/GDPRegions.html>



19. PROV_GDP_03 Provincial GDP for 2003 – Provincial Economic Growth

Department of Trade and Industry (2003). *Gross Domestic Product: South Africa 2003*. Retrieved October 20, 2005, from <http://www.thedti.gov.za/econdb/GDPRegions.html>

20. DEM_GOVTSERV_02 Demand for Government Services – 2002

Department of Trade and Industry (2003). *Gross Domestic Product: South Africa 2003*. Retrieved October 20, 2005, from <http://www.thedti.gov.za/econdb/GDPRegions.html>

21. DEM_GOVTSERV_03 Demand for Government Services – 2003

Department of Trade and Industry (2003). *Gross Domestic Product: South Africa 2003*. Retrieved October 20, 2005, from <http://www.thedti.gov.za/econdb/GDPRegions.html>

22. Δ _DEM_GOVTSERV_04 Change in Demand for Government Services 2002-2003

Change in demand for govt. services =
 $(\text{DEM_GOVTSERV_03} \text{ minus } \text{DEM_GOVTSERV_02}) / \text{DEM_GOVTSERV_02}$

23. NNP_RACE_04 % of Votes Received by New National Party – 2004

Independent Electoral Commission (2004) *Provincial Seat Allocation – Election 2004* Retrieved October 18, 2005, from <http://www.elections.org.za/papers/119/Seat%20Allocation%20-%20Elections%202004.pdf>



Appendix 2

SPSS OUTPUT FOR TABLE 5.2 – PROVINCIAL SPENDING

Bivariate – Model 1

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	VOTE_ TURN_04 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.822 ^a	.676	.630	46076407.0

a. Predictors: (Constant), VOTE_TURN_04

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.1E+016	1	3.106E+016	14.628	.007 ^a
	Residual	1.5E+016	7	2.123E+015		
	Total	4.6E+016	8			

a. Predictors: (Constant), VOTE_TURN_04

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-4E+007	3E+007		-1.061	.324	-113025503	43003680.99
	VOTE_TURN_04	65.679	17.173	.822	3.825	.007	25.072	106.286

a. Dependent Variable: PROV_SPEND_03

* Scientific notation (-4E+007) is used to represent the number -35,010,911. Indeed, -4E+007 (-35,010,911) represents the y-intercept of the straight line equation and 65.679 represents the slope. See section 5.3.4, Table 5.6 for application and discussion on calculating predicted values.



Bivariate – Model 2

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	POP_ GROW_03 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.457 ^a	.209	.096	72037404.3

a. Predictors: (Constant), POP_GROW_03

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	9.6E+015	1	9.591E+015	1.848	.216 ^a
	Residual	3.6E+016	7	5.189E+015		
	Total	4.6E+016	8			

a. Predictors: (Constant), POP_GROW_03

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1E+008	4E+007		3.113	.017
	POP_GROW_03	-6E+008	4E+008	-.457	-1.360	.216

a. Dependent Variable: PROV_SPEND_03



Bivariate – Model 3

Variables Entered/Removed^d

Model	Variables Entered	Variables Removed	Method
1	AIDS_ PREV_02 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.482 ^a	.233	.123	70953258.2

a. Predictors: (Constant), AIDS_PREV_02

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.1E+016	1	1.068E+016	2.121	.189 ^a
	Residual	3.5E+016	7	5.034E+015		
	Total	4.6E+016	8			

a. Predictors: (Constant), AIDS_PREV_02

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-2E+007	7E+007		-.327	.753
	AIDS_PREV_02	8E+008	5E+008	.482		

a. Dependent Variable: PROV_SPEND_03



Appendix 3

SPSS OUTPUT FOR TABLE 5.3 – NATIONAL SPENDING

Bivariate – Model 1

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	VOTE_ TURN_04 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: NATL_SPEND_02

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.050 ^a	.002	-.140	2.52418

a. Predictors: (Constant), VOTE_TURN_04

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.111	1	.111	.017	.899 ^a
	Residual	44.601	7	6.372		
	Total	44.712	8			

a. Predictors: (Constant), VOTE_TURN_04

b. Dependent Variable: NATL_SPEND_02

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.123	1.807		1.728	.128
	VOTE_TURN_04	1.24E-007	.000	.050	.132	.899

a. Dependent Variable: NATL_SPEND_02



Bivariate – Model 2

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	POP_GROW_03 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: NATL_SPEND_02

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.498 ^a	.248	.140	2.19197

a. Predictors: (Constant), POP_GROW_03

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	11.079	1	11.079	2.306	.173 ^a
	Residual	33.633	7	4.805		
	Total	44.712	8			

a. Predictors: (Constant), POP_GROW_03

b. Dependent Variable: NATL_SPEND_02

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	4.624	1.120		4.128	.004
	POP_GROW_03	-20.680	13.619	-.498	-1.518	.173

a. Dependent Variable: NATL_SPEND_02



Bivariate – Model 3

Variables Entered/Removed^d

Model	Variables Entered	Variables Removed	Method
1	AIDS_ PREV_02 ^a	.	Enter

- a. All requested variables entered.
b. Dependent Variable: NATL_SPEND_02

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.554 ^a	.306	.207	2.10479

- a. Predictors: (Constant), AIDS_PREV_02

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	13.701	1	13.701	3.093	.122 ^a
	Residual	31.011	7	4.430		
	Total	44.712	8			

- a. Predictors: (Constant), AIDS_PREV_02
b. Dependent Variable: NATL_SPEND_02

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.267	2.165		-.123	.905
	AIDS_PREV_02	27.678	15.739	.554	1.759	.122

- a. Dependent Variable: NATL_SPEND_02



Appendix 4

SPSS OUTPUT FOR TABLE 5.4 – PROVINCIAL SPENDING (NEED/INCOME)

Bivariate – Model 1

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	INC_01 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.504 ^a	.254	.148	69949128.4

a. Predictors: (Constant), INC_01

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.2E+016	1	1.167E+016	2.384	.166 ^a
	Residual	3.4E+016	7	4.893E+015		
	Total	4.6E+016	8			

a. Predictors: (Constant), INC_01

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2E+008	6E+007		2.710	.030
	INC_01	-5E+008	3E+008	-.504	-1.544	.166

a. Dependent Variable: PROV_SPEND_03



Bivariate – Model 2

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	NEED_04 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.806 ^a	.649	.599	47970994.0

a. Predictors: (Constant), NEED_04

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.0E+016	1	2.981E+016	12.953	.009 ^a
	Residual	1.6E+016	7	2.301E+015		
	Total	4.6E+016	8			

a. Predictors: (Constant), NEED_04

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-3E+007	3E+007		-.892	.402
	NEED_04	72.085	20.029	.806		

a. Dependent Variable: PROV_SPEND_03

* Again, scientific notation (-3E+007) is used to represent the number -30,043,733. Indeed, -3E+007 (-30,043,733) represents the y-intercept of the straight line equation and 72.085 represents the slope. See section 5.3.4, Table 5.6 for application and discussion on calculating predicted values.



Appendix 5

SPSS OUTPUT FOR TABLE 5.5 – NATIONAL SPENDING (NEED/INCOME)

Bivariate – Model 1

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	INC_01 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: NATL_SPEND_02

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.073 ^a	.005	-.137	2.52068

a. Predictors: (Constant), INC_01

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.235	1	.235	.037	.853 ^a
	Residual	44.477	7	6.354		
	Total	44.712	8			

a. Predictors: (Constant), INC_01

b. Dependent Variable: NATL_SPEND_02

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.713	2.142		1.734	.127
	INC_01	-2.051	10.662	-.073	-.192	.853

a. Dependent Variable: NATL_SPEND_02



Bivariate – Model 2

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	NEED_04 ^a	.	Enter

- a. All requested variables entered.
b. Dependent Variable: NATL_SPEND_02

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.099 ^a	.010	-.132	2.51491

- a. Predictors: (Constant), NEED_04

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.438	1	.438	.069	.800 ^a
	Residual	44.273	7	6.325		
	Total	44.712	8			

- a. Predictors: (Constant), NEED_04
b. Dependent Variable: NATL_SPEND_02

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.925	1.766		1.656	.142
	NEED_04	2.76E-007	.000	.099	.263	.800

- a. Dependent Variable: NATL_SPEND_02



Appendix 6

SPSS OUTPUT FOR MULTIVARIATE REGRESSION MODEL

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	NNP_ RACE_04, WH_ RACE_01, LAT_ GROUP_ 04, CHANGE_ DEM_ GOV_ SERV_04, SPEC_ INT_01, CHANGE_ PROV_ GDP_03, EDUCA_ 01 ^a	.	Enter
2	.	CHANGE_ DEM_ GOV_ SERV_04	Backward (criterion: Probability of F-to-remove >= . 100).
3	.	CHANGE_ PROV_ GDP_03	Backward (criterion: Probability of F-to-remove >= . 100).

a. Tolerance = .000 limits reached.

b. Dependent Variable: PROV_SPEND_03



Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.992 ^a	.984	.871	27184077.0
2	.991 ^b	.982	.929	20199197.8
3	.991 ^c	.982	.952	16550921.1

- a. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, CHANGE_DEM_GOV_SERV_04, SPEC_INT_01, CHANGE_PROV_GDP_03, EDUCA_01
- b. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, SPEC_INT_01, CHANGE_PROV_GDP_03, EDUCA_01
- c. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, SPEC_INT_01, EDUCA_01

ANOVA^d

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	4.5E+016	7	6.454E+015	8.734	.255 ^a
	Residual	7.4E+014	1	7.390E+014		
	Total	4.6E+016	8			
2	Regression	4.5E+016	6	7.517E+015	18.423	.052 ^b
	Residual	8.2E+014	2	4.080E+014		
	Total	4.6E+016	8			
3	Regression	4.5E+016	5	9.019E+015	32.924	.008 ^c
	Residual	8.2E+014	3	2.739E+014		
	Total	4.6E+016	8			

- a. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, CHANGE_DEM_GOV_SERV_04, SPEC_INT_01, CHANGE_PROV_GDP_03, EDUCA_01
- b. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, SPEC_INT_01, CHANGE_PROV_GDP_03, EDUCA_01
- c. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, SPEC_INT_01, EDUCA_01
- d. Dependent Variable: PROV_SPEND_03



Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	-3E+007	6E+007		-.631	.642					
	WH_RACE_01	-1E+009	3E+008	-1.585	-3.884	.160	.504	-.968	-.493	.097	10.351
	EDUCA_01	304.472	56.913	2.355	5.350	.118	.805	.983	.679	.083	12.039
	LAT_GROUP_04	-3E+008	2E+008	-.370	-1.598	.356	-.094	-.848	-.203	.300	3.333
	SPEC_INT_01	-2E+008	1E+008	-.387	-1.557	.363	-.066	-.841	-.198	.260	3.839
	CHANGE_PROV_GDP_03	-2E+007	5E+007	-.135	-.330	.797	-.145	-.313	-.042	.097	10.344
	CHANGE_DEM_GOV_SERV_04	684518.9	2120014	.110	.323	.801	-.243	.307	.041	.137	7.274
	NNP_RACE_04	1E+009	6E+008	.576	1.968	.299	-.286	.892	.250	.188	5.329
2	(Constant)	-2E+007	2E+007		-.947	.444					
	WH_RACE_01	-9E+008	2E+008	-1.521	-5.758	.029	.504	-.971	-.543	.127	7.847
	EDUCA_01	294.368	35.324	2.277	8.333	.014	.805	.986	.786	.119	8.399
	LAT_GROUP_04	-3E+008	1E+008	-.421	-3.321	.080	-.094	-.920	-.313	.554	1.806
	SPEC_INT_01	-2E+008	7E+007	-.339	-2.294	.149	-.066	-.851	-.216	.407	2.454
	CHANGE_PROV_GDP_03	-1927943	2E+007	-.015	-.119	.916	-.145	-.084	-.011	.542	1.845
	NNP_RACE_04	1E+009	3E+008	.515	3.108	.090	-.286	.910	.293	.323	3.091
	3	(Constant)	-2E+007	2E+007		-1.151	.333				
WH_RACE_01		-9E+008	1E+008	-1.519	-7.030	.006	.504	-.971	-.543	.128	7.822
EDUCA_01		294.435	28.940	2.277	10.174	.002	.805	.986	.786	.119	8.397
LAT_GROUP_04		-3E+008	7E+007	-.428	-4.664	.019	-.094	-.937	-.360	.709	1.410
SPEC_INT_01		-2E+008	5E+007	-.332	-3.009	.057	-.066	-.867	-.232	.491	2.035
NNP_RACE_04		1E+009	3E+008	.513	3.799	.032	-.286	.910	.293	.327	3.057

a. Dependent Variable: PROV_SPEND_03

Excluded Variables^d

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics		
						Tolerance	VIF	Minimum Tolerance
1	NATL_SPEND_02	-14.484 ^a	.	.	-1.000	7.67E-005	13034.417	7.67E-005
2	NATL_SPEND_02	.122 ^b	.291	.819	.280	.093	10.737	.073
	CHANGE_DEM_GOV_SERV_04	.110 ^b	.323	.801	.307	.137	7.274	.083
3	NATL_SPEND_02	.004 ^c	.034	.976	.024	.696	1.437	.118
	CHANGE_DEM_GOV_SERV_04	.008 ^c	.075	.947	.053	.771	1.297	.110
	CHANGE_PROV_GDP_03	-.015 ^c	-.119	.916	-.084	.542	1.845	.119

a. Predictors in the Model: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, CHANGE_DEM_GOV_SERV_04, SPEC_INT_01, CHANGE_PROV_GDP_03, EDUCA_01

b. Predictors in the Model: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, SPEC_INT_01, CHANGE_PROV_GDP_03, EDUCA_01

c. Predictors in the Model: (Constant), NNP_RACE_04, WH_RACE_01, LAT_GROUP_04, SPEC_INT_01, EDUCA_01

d. Dependent Variable: PROV_SPEND_03



Appendix 7

SPSS OUTPUT BIVARIATE AND MULTIVARIATE VARIABLES

Optimal Regression Analysis

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	NNP_RACE_04, WH_RACE_01, NEED_04, SPEC_INT_01, EDUCA_01, VOTE_TURN_04 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.978 ^a	.956	.825	31662243.644

a. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, NEED_04, SPEC_INT_01, EDUCA_01, VOTE_TURN_04

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	43911964654815120	6	7318660775802520.0	7.300	.125 ^a
	Residual	2004995345184872.0	2	1002497672592436.0		
	Total	45916959999999900	8			

a. Predictors: (Constant), NNP_RACE_04, WH_RACE_01, NEED_04, SPEC_INT_01, EDUCA_01, VOTE_TURN_04

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	27458953.115	70379243.370		.390	.734		
	WH_RACE_01	-1084123052.486	1209392947.957	-1.769	-.896	.465	.006	178.323
	EDUCA_01	679.126	213.040	5.252	3.188	.086	.008	124.343
	SPEC_INT_01	-124914349.322	100344058.661	-.265	-1.245	.339	.482	2.075
	VOTE_TURN_04	-246.175	282.394	-3.082	-.872	.475	.002	572.680
	NEED_04	11.265	193.794	.126	.058	.959	.005	214.903
	NNP_RACE_04	-254037376.204	707169420.057	-.131	-.359	.754	.165	6.051

a. Dependent Variable: PROV_SPEND_03



Appendix 8

SPSS OUTPUT BIVARIATE AND MULTIVARIATE VARIABLES

Revised Optimal Regression Analysis_1

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	VOTE_TURN_04, SPEC_INT_01, WH_RACE_01, EDUCA_01 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.976 ^a	.952	.905	23390660.850

a. Predictors: (Constant), VOTE_TURN_04, SPEC_INT_01, WH_RACE_01, EDUCA_01

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	43728467939943320	4	10932116984985830	19.981	.007 ^a
	Residual	2188492060056675.0	4	547123015014168.000		
	Total	45916959999999900	8			

a. Predictors: (Constant), VOTE_TURN_04, SPEC_INT_01, WH_RACE_01, EDUCA_01

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	10554928.196	23136159.959		.456	.672					
	WH_RACE_01	-1131063052.362	238357847.452	-1.845	-4.745	.009	.504	-.921	-.518	.079	12.692
	EDUCA_01	639.946	140.893	4.949	4.542	.010	.805	.915	.496	.010	99.650
	SPEC_INT_01	-141812028.872	63863810.510	-.301	-2.221	.091	-.066	-.743	-.242	.649	1.540
	VOTE_TURN_04	-205.885	64.846	-2.578	-3.175	.034	.822	-.846	-.347	.018	55.330

a. Dependent Variable: PROV_SPEND_03



Appendix 9

OPTIMAL MODEL WITH VARIABLES VOTE_TURN_04/EDUCA_01

Revised Optimal Regression Analysis_2

Variables Entered/Removed^b

Model	Variables Entered	Variables Removed	Method
1	VOTE_TURN_04, EDUCA_01 ^a	.	Enter

a. All requested variables entered.

b. Dependent Variable: PROV_SPEND_03

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.823 ^a	.678	.571	49643988.834

a. Predictors: (Constant), VOTE_TURN_04, EDUCA_01

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	31129806235732120	2	15564903117866060	6.316	.033 ^a
	Residual	14787153764267860	6	2464525627377978.0		
	Total	4591695999999900	8			

a. Predictors: (Constant), VOTE_TURN_04, EDUCA_01

b. Dependent Variable: PROV_SPEND_03

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	-32159999.628	39165415.889		-.821	.443					
	EDUCA_01	20.012	115.414	.155	.173	.868	.805	.071	.040	.067	14.845
	VOTE_TURN_04	53.742	71.287	.673	.754	.479	.822	.294	.175	.067	14.845

a. Dependent Variable: PROV_SPEND_03



Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	EDUCA_01	VOTE_TURN_04
1	1	2.813	1.000	.02	.00	.00
	2	.178	3.972	.67	.03	.01
	3	.008	18.370	.31	.97	.99

a. Dependent Variable: PROV_SPEND_03