### APPENDIX A

University of Pretoria etd - Avenant C 2000



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Departement Kommunikasiepatologie Spraak- Steme-200Gehoorkliniek

Beste spraak-taalterapeut en/of oudioloog

Ek is tans besig met my Meestersgraad in Kommunikasiepatologie aan die Departement Kommunikasiepatologie van die Universiteit van Pretoria. Om aan die graadvereistes te voldoen word daar van my verwag om navorsing oor die onderwerp van my keuse uit te voer. Die titel van my navorsingsprojek is: "Thinking style preferences in communication pathology".

Ten einde hierdie studie suksesvol te voltooi, vra ek u vriendelik dat u asseblief die twee ingeslote vraelyste voltooi. Die eerste vraelys behels basiese vrae om meer inligting omtrent u te verkry, terwyl die tweede vraelys die voltooiing van die "Herrmann Brain Dominance Instrument" behels. Die resultate van die studie sal u aan u verskaf word indien u dit so verkies. Wees asseblief verder verseker dat alle inligting as streng vertroulik beskou sal word.

Baie dankie vir u tyd en samewerking.

Groete

Carina Avenant

Student

Telefoonnommer: 082 92 15 726

Prof. S.R. Hugo

Hoof: Departement Kommunikasiepatologie

Telefoonommer: (012) 420 2355

#### APPENDIX B

# AFRIKAANSE VRAELYS:

| 1. | Naam:   |               |       |  |  |  |  |  |  |  |  |
|----|---|---------------|-------|--|--|--|--|--|--|--|--|
| 2. | Hoe lank is u aktief in die beroep spraak-taalterapie en/of oudiologie<br>betrokke:<br>Merk asseblief die korrekte opsie. |               |       |  |  |  |  |  |  |  |  |
|    | 0 tot 5 jaar 5 tot 10 jaar 10 jaar +  |               |       |  |  |  |  |  |  |  |  |
| 3. | As wat beskou u, uself? Merk asseblief die korrekte opsie.  |               |       |  |  |  |  |  |  |  |  |
|    | Spraak-Taalterapeut   | Oudioloog     | Beide |  |  |  |  |  |  |  |  |
| _  | ENGLISH QUESTIONNAIRE:  1. Name:  2. How long have you been a practising speech-language pathologist and/or audiologist:  |               |       |  |  |  |  |  |  |  |  |
|    | Please mark the correct option.  0 to 5 years 5 to 10 years 10 years +  |               |       |  |  |  |  |  |  |  |  |
| 3. | As what do you consider yourself? Please mark the correct option.   |               |       |  |  |  |  |  |  |  |  |
| -  | Speech-language Audiologist Both pathologist  |               |       |  |  |  |  |  |  |  |  |
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### APPENDIX C

HBDI

Sann Brain Dominance Instrument

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Thinking Styles Assessment



# Herrmann Brain Dominance Instrument

# Thinking Styles Assessment

This 120-question survey form results in a profile of your preferred thinking styles. By understanding your thinking style preferences you can achieve greater appreciation for how you learn, make decisions, solve problems, and communicate, and why you do these things—and others—the way you do. The survey measures preferences rather than skills. It is not a test; there are no wrong answers. You will gain the greatest understanding by answering the questions frankly and sincerely.

The Ned Herrmann Group, Inc.

2075 Buffalo Creek Road, Lake Lure, NC 28746 (704) 625-9153 or (800) 432-HBDI Fax: (704) 625-1402 E-mail: thinking@hbdi.com

Use of this form is subject to your agreement with the following conditions: (i) The instrument must be used in its entirety; no portion may be extracted and used separately. (ii) No change or alteration of the instrument in any way is permitted; to preserve the integrity of the instrument and its scoring methodology, the instrument must be used exactly as it is produced here. (iii) Any use of the instrument must contain the notice of copyright held by The Ned Hermann Group. (iv) The title - Hermann Brain Dominance Instrument - is an integral part of the instrument, and must always appear on the document.

#### INSTRUCTIONS

A profile of your mental preferences will be determined by your responses to the following 120 questions. Answer each question by writing in the appropriate words or numbers, or checking the boxes provided. This is not a test, and there are no right or wrong answers. You are only indicating your preferences. Please respond to questions as authentically as possible, keeping in mind your total self, at work and at home. When you have completed the survey form, confirm that you have answered every question. Then complete the name and address information on the back of the form, and send or fax pages 2 through 5 to the Ned Herrmann Group at the address on the cover.

Refer to the glossary of terms for clarification of the terms used. Save the glossary page for reference when you receive your profile results.

#### **GLOSSARY OF TERMS**

- analytic Breaking up things or ideas into parts and examining them to see how they fit together.
- artistic Taking enjoyment from or skillful in painting, drawing, music, or sculpture. Able to coordinate color, design, and texture for pleasing effects.
- conceptual Able to conceive thoughts and ideas; to generalize abstract ideas from specific instances.
- controlled . Restrained, holding back, in charge of one's emotions.
- conservative Tending toward maintaining traditional and proven views, conditions, and institutions.
- creative Having unusual ideas and innovative thoughts. Able to put things together in new and imaginative ways.
- critical Exercising or involving careful judgement or evaluation, e.g., judging the feasibility of an idea or product.
- detailed Paying attention to the small items or parts of an idea or project.
- dominant Ruling or controlling; having strong impact on others.
  emotional Having feelings that are easily stirred; displaying those feelings.
- empathetic Able to understand how another person feels, and able to communicate that feeling.
- extrovert More interested in people and things outside of self than internal thoughts and feelings. Quickly and easily exposes thoughts, reactions, feelings, etc. to others.
- financial Competent in monitoring and handling of quantitative issues related to costs, budgets, and investments.
- hollstic . Able to perceive and understand the "big picture" without dwelling on individual elements of an idea, concepts, or situation. Can see the forest as contrasted with the trees.
- Imaginative. Able to form mental images of things not immediately available to the senses or never wholly perceived in reality; able to confront and deal with a problem in a new way.
- Implementation . Able to carry out an activity and ensure fulfillment by concrete measures and results.
- Innovating Able to introduce new or novel ideas, methods, or devices.
- Integration . The ability to combine pieces, parts and elements of ideas, concepts and situations into a unified whole.
- Intellectual . Having superior reasoning powers; able to acquire and retain knowledge.
- Interpersonal . Easily able to develop and maintain meaningful and pleasant relationships with many different kinds of people.

  Introvert . Directed more toward inward reflection and under-

- standing than toward people and things outside of self. Slow to expose reactions, feelings, and thoughts to others.
- Intuitive Knowing something without thinking it out having instant understanding without need for facts or proof.
- logical Able to reason deductively from what has gone before.
  mathematical Perceiving and understanding numbers and being able to manipulate them to a desired end.
- metaphorical Able to understand and make use of visual and verbal figures of speech to suggest a likeness or an analogy in place of literal descriptions, e.g., "heart of gold."
- musical Having an interest in or talent for music and/or dance.
  organized Able to arrange people, concepts, objects, elements,
  etc. into coherent relationships with each other.
- planning Formulating methods or means to achieve a desired end in advance of taking actions to implement.
- problem solving Able to find solutions to difficult problems by reasoning.
- quantitative Oriented toward numerical relationships; inclined to know or seek exact measures.
- rational Making choices on the basis of reason as opposed to emotion.
- reader . One who reads often and enjoys it.
- rigorous thinking . Having a thorough, detailed approach to problem-solving.
- sequential. Dealing with things and ideas one after another or in order.
- simultaneous Able to process more than one type of mental input at a time, e.g. visual, verbal, and musical; able to attend to more than one activity at a time.
- spatial Able to perceive, understand and manipulate the relative positions of objects in space.
- spiritual. Having to do with spirit or soul as apart from the body or material things.
- symbolic. Able to use and understand objects, marks, and signs as representative of facts and ideas.
- synthesizer \* One who unites separate ideas, elements, or concepts into something new.
- technical. Able to understand and apply engineering and scientific knowledge.
- teaching training . Able to explain ideas and procedures in a way that people can understand and apply them.
- Verbal <sup>®</sup> Having good speaking skills; clear and effective with words writer <sup>®</sup> One who communicates clearly with the written word and enjoys it.

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Please review: Did you mark one and only one of each pair? Correct if necessary.

## INTROVERSION/EXTROVERSION

100. Check one box to place yourself on this scale from introvert to extrovert:

| introvert |         |    | <br> | <br> | -0- | extrovert |
|-----------|---------|----|------|------|-----|-----------|
| TWENTY    | QUESTIO | NS |      |      |     | \<br>     |

Respond to each statement by checking the box in the appropriate column.

|  | strongly<br>agree | agree  | in<br>between | disagree | strongly<br>disagree |
|--|-------------------|--|---------------|----------|----------------------|
| 101. I feel that a step-by-step method is best for solving problems.   |                   |  |               |          |                      |
| 102. Daydreaming has provided the impetus for the solution of<br>many of my more important problems.                             |                   |  |               |          |                      |
| 103. I like people who are most sure of their conclusions.   |                   |  |               |          |                      |
| 104. I would rather be known as a reliable than an imaginative person.   |                   |  |               |          |                      |
| 105. I often get my best ideas when doing nothing in particular.   |                   |  |               |          |                      |
| 106. I rely on hunches and the feeling of "rightness" or "wrong-<br>ness" when moving toward the solution to a problem.          |                   |  |               |          |                      |
| 107. I sometimes get a kick out of breaking the rules and doing<br>things I'm not supposed to do.                                |                   |  |               |          |                      |
| 108. Much of what is most important in life cannot be expressed in words.  |                   |  |               |          |                      |
| <ol><li>109. I'm basically more competitive with others than self-<br/>competitive.</li></ol>                                    |                   |  |               |          |                      |
| 110. I would enjoy spending an entire day "alone with my<br>thoughts."   |                   |  |               |          |                      |
| 111. I dislike things being uncertain and unpredictable.   |                   |  |               |          |                      |
| 112. I prefer to work with others in a team effort rather than<br>solo.  |                   |  |               |          |                      |
| 113. It is important for me to have a place for everything and<br>everything in its place.                                       |                   |  |               |          |                      |
| 114. Unusual ideas and daring concepts interest and intrigue me.   |                   |  |               |          |                      |
| 115. I prefer specific instructions to those which leave many details optional.  |                   |  |               |          |                      |
| 116. Know-why is more important than know-how.   |                   | The state of the s |               |          |                      |
| 117. Thorough planning and organization of time are mandatory for solving difficult problems.                                    |                   |  |               |          |                      |
| 118. I can frequently anticipate the solutions to my problems.   |                   | C.C.   |               |          |                      |
| 119. I tend to rely more on my first impressions and feelings when making judgments than on a careful analysis of the situation. |                   |  |               |          |                      |
| 120. I feel that laws should be strictly enforced.   |                   |  | Davis San     |          |                      |

| FROM                                 |                             | 4. 编写基                   |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
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| You must provide                     | an address a                | and indica               | ite the m               | ethod of           | payment            | in order t            | to receive              | your HB             | DI results            | . Please                 | print.             |            |
| Name                                 |                             |                          |                         |                    |                    | 7 (10 00              |                         | ATT TOLK            | Date _                | 101.0                    |                    |            |
| Company                              |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| Division Company address             |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| oumpany addition                     |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| Daytime phone (                      | )                           |                          |                         | Evening            | phone (_           |                       | er Saudi — I            |                     | Fax                   | ()_                      |                    |            |
| Home address _                       |                             |                          |                         |                    |                    |                       |                         | Manager 1           |                       |                          |                    |            |
| E-mail address                       |                             |                          |                         |                    |                    | edny va               |                         | gia ia.             | the state of          |                          |                    |            |
| Note: There is a                     |                             | -                        | -                       |                    |                    |                       |                         |                     |                       |                          |                    |            |
| Payment method                       |                             |                          |                         |                    |                    |                       |                         |                     |                       | M. Dok I                 |                    | ¥          |
|                                      | card type: _<br>payment has |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
|                                      |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| CONF                                 |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| The following que<br>brain dominance |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          | le in our d        | ontinuing  |
| Indicate the birth yourself.         | order of your               | r brothers               | , sisters,              | and self           | by check           | ing the a             | ppropriat               | e symbols           | s. Then ci            | rcle the s               | ymbol rep          | presenting |
| MALE = C                             | 7 07                        | o                        | o                       | o <sup>™</sup>     | o <sup>7</sup>     | O                     | o <sup>7</sup>          | o <sup>7</sup>      | o™                    | or or                    | ō¹                 | ◆ MA       |
| Olde                                 | st 2nd                      | 3rd                      |                         |                    | 6th                | 7th                   |                         | 9th                 |                       | 11th                     | 12th               |            |
|                                      |                             | _                        | _                       |                    | _                  | 120                   | 3-0                     | _                   | _                     |                          |                    | ← FEMA     |
| FEMALE ⇒ C                           | o o                         | Q                        | Q                       | Q                  | Q                  | P                     | P                       | Q                   | Q                     | P                        | Q                  |            |
| Date of birth                        |                             | _ Years i                | in curren               | t occupat          | tion               |                       | Job sa                  | tisfaction          | high                  |                          | 0 0                | ☐ low      |
| Citizenship                          | 12 12 11 11                 | _ Native                 | languag                 | e                  |                    |                       | Are you                 | bilingual?          | о о у                 | es 🛛 r                   | 10                 |            |
| Ethnicity:   Ar                      | nerican India               | ın 🛛 B                   | Black C                 | Cauca              | sian 📮             | Hispanio              | ☐ Asi                   | an 🔲 (              | Other:                |                          |                    |            |
| Do you consider                      | yourself relig              | jious?                   | yes 🔾                   | no Reli            | gious affil        | iation:               | 2 Cathol                | ic 🖵 Pro            | testant C             | ] Jewish                 | Othe               | er:        |
| Level of participa                   |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| If you are a pare                    |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| De Chilaman                          |                             |                          |                         |                    | The sale           |                       |                         |                     |                       |                          |                    |            |
| Couple status: [                     | ⊒ marned 4                  | ⊒ separa<br>Ha           | ave your                | parents            | livin 🖵 divorced?  | g together            | er wides                |                     | wer 🖵 s               |                          |                    |            |
| To what extent w                     | vere you form               | nally educ               | ated for                | the field          | you are n          | ow worki              | ng in?                  |                     |                       |                          |                    |            |
|                                      |                             | not at al                |                         | somew              | hat 📮              | to a gre              | eat degre               | e [                 | fully                 |                          |                    |            |
| What time(s) of                      | the day do yo               | u feel mo<br>I midnigh   | ost menta<br>it - 6 a.m | ally capal         | ble?<br>] 6 a.m. · | - noon                | □ no                    | oon - 6 p.:         | n.                    | ☐ 6 p.m                  | ı midnig           | iht        |
| Have you ever e<br>dys<br>Please     | experienced a<br>lexia      | ading 🖵                  | speech                  | impedin            | nents 🛚            | hearing               | impedim<br>age of o     | ents 🔲 a            | attention (           | deficit dise<br>age when | order 🖸            | l other    |
| Have you filled name or address      | out the HBDI                | survey p                 | reviously               | ? If so, a         | nd your n          | ame or a              | ddress h                | as change           | ed since t            |                          |                    |            |
|                                      |                             |                          |                         |                    |                    |                       |                         |                     |                       |                          |                    |            |
| How do you see<br>Ration             | yourself? F                 | Please dis               | tribute 1<br>Organize   | 00 points          | between            | these fo              | ur descrip<br>personal_ | otions:             |                       | Imaginati                | ve                 |            |
| Please check the Land                | ne best descr<br>ppy        | iptor indic<br>iusiastic | cating you              | ur mood<br>ested [ | or the wa          | y you feli<br>relaxed | t at the tin            | ne you we<br>ferent | ere compl<br>distract | eting this<br>ed 🖵 tir   | survey:<br>ed 🚨 un | happy      |

## Lys van terme (Eng/Afr) wat in die Herrmann Brein Dominansie Instrument (HBDI) gebruik word:

- analytic I analities Opbreek van dinge en gedagtes in dele en die ondersoek van die dele om te bepaal hoedat hulle inmekaarpas.
- artistic / kunssinnig Hou van of vaardig in verf, teken, musiek of beeldhouwerk. In staat om kleur, ontwerp en tekstuur te kombineer vir strelende effek.
- conceptual / konseptueel In staat om gedagtes en idees voort te bring – om abstrakte begrippe vanaf spesifieke voorbeelde te vorm.
- controlled / in beheer Terughoudend, in beheer van jou eie emosies.
- conservative / konserwatief Neig daama om tradisionele en bewese standpunte, omstandighede en instellings te handhaaf.
- creative / kreatief Om ongewone idees en oorspronklike gedagtes te hê. In staat om dinge op nuwe en oorspronklike maniere saam te stel.
- critical / larities Uitvoering of insluiting van noukeurige oordeel of evaluering, met ander woorde, beoordeling van die lewensvatbaarheid van 'n idee of produk.
- detailed / gedetailleerd Gee aandag aan die fyner besonderhede of dele van 'n idee of projek.
- dominant / oorheersend Beheer en kontrole; het sterk impak op ander.
- emotional / emosioneel Raak maklik gevoelsmatig betrokke; wys ook die gevoelens.
- empathetic / meelewend In staat om te weet hoe 'n ander persoon voel en ook in staat om hierdie gevoel oor te dra.
- extrovert / ekstrovert Meer geïnteresseerd in mense en dinge buite jouself as in jou eie gevoelens. Kan gedagtes, reaksies, gevoelens met gemak aan ander openbaar maak.
- financial / finansieel Vaardig in die monitering en hantering van numeriese data mbt uitgawes, begrotings en beleggings.
- holistic / holisties In staat om die 'groot prent' te sien en te verstaan sonder om in klein dele van 'n saak verstrengel te raak. By, sien 'n bos in plaas van net die bome.
- imaginative / met verbeelding . Kan gedagtebeelde van sake vorm wat nie deel van direkte waameming is nie of ook nooit ten volle in werklikheid waargeneem kan word nie. In staat om op 'n nuwe manier na 'n oplossing vir 'n probleem te soek.
- implementation / uitvoering In staat om 'n aktiwiteit uit te voer en toe te sien dat dit 'n uitkoms met resultate het.
- innovating / innoverend (oorspronklik) In staat om nuwe unleke idees, metodes of voorwerpe voor te stel.
- integration / integrering . Die vermoë om stukkles, dele en elemente van idees, konsepte en situasies in 'n sinvolle geheel saam te stel.
- intellectual: / -intellectueel ... Sesit besondere redenasievermoëns. In staat om kennis te verwert en te behou:
- Interpersonal / interpersonalik Kan maklik betekenisvolle en aangename verhoudings met verskillende mense aangaan en behou.

- introvert / introvert Meer gerig op innerlike refleksie en begrip eerder as op ander mense en sake buite die self. Stadig om reaksies, gevoelens en gedagtes aan ander te openbaar.
- intuitive / intuitief Weet lets sonder om dit te bedink
   verstaan dadelik sonder dat feite of bewyse voorgelê is.
- logical / logies In staat om afleidings te maak uit iets wat al gebeur het.
- mathematical / wiskundig Waarneem en verstaan van getalle en in staat om hulle te manipuleer tot die bereiking van 'n verlangde resultaat.
- metaphorical / metafories In staat om gebruik te maak van visuele en verbale beskrywings om iets voor te stel sonder om iets letterlik te beskryf. Ook in staat om sulke voorstelle te verstaan. Bv. " 'n hart van goud".
- musical / musikaal Belangstelling in of talent vir musiek en/of dans.
- organized / georganiseerd In staat om mense, idees, voorwerpe, ens in samehangende verbande te voeg.
- planning / planmatig Formulering van metodes of wyses om 'n bepaalde doel te bereik voordat met die aktiwiteit begin word.
- problem solving / probleemoplossing In staat om deur beredenering oplossings te vind vir ingewikkelde probleme.
- quantitative / wat meetbaar is . Ingestel op numeriese verwantskappe, soek presiese versyfering van data.
- rational / rasioneel (met rede) Neem besluite gegrond op rede in teenstelling met besluit wat berus op emosie.
- reader / leser lemand wat graag lees en dit geniet.
- rigorous thinking / presiese denkwyse Om 'n deeglike, gedetailleerde benadering tot probleemoplossing te hê.
- sequential / opeenvolgend Hanteer dinge en idees, een na die ander, in volgorde.
- simultaneous / gelyktydig In staat om meer as een inset gelyktydig te hanteer, bv. visueel, verbaal, musikaal. Kan aan meer as een aktiwiteit gelyktydig aandag gee.
- spatial / ruimtelik In staat om die relatiewe posisie van objekte in die ruimte waar te neem, te verstaan en te manipuleer.
- spiritual / spiritueel Het te doen met gees in teenstelling met liggaam of materiële dinge.
- symbolic / simbolies In staat om objekte, merke en tekens wat feite en idees voorstel, te verstaan en te gebruik.
- synthesizer / samesteller iemand wat verskillende idees, elemente of konsepte in iets nuuts kan saamvoeg.
- technical / tegnies . In staat om ingenieurs en natuurwetenskaplike kennis te verstaan en toe te pas.
- teaching/training / onderrig/opleiding on staat on idees en prosedures so te verduidelik dat mense dit kan verstaan en toepas.
- verbal / verbaal . Goele praatvernoë. Helder en effektief met woorde.
- writer / skrywer e lemand wat duidelik dmv die geskrewe woord kan kommunikeer en geniet om dit te doen: