

## CURRICULUM VITAE

April 10, 2015

### MICHAEL DONALD MARAUN

Department of Psychology  
Simon Fraser University  
8888 University Drive  
Burnaby, B.C. V5A 1S6  
Tel. 778-782-5685  
Fax. (604) 291-3427  
E-mail: michael\_maraun@sfu.ca

#### EDUCATION

- 1989-1993 Ph.D. in Measurement, University of Toronto
- 1987-1989 M.A. in Experimental Psychology, University of Guelph
- 1982-1986 B.A. in Psychology, Simon Fraser University

#### ACADEMIC POSITIONS

- 2007- Professor: Department of Psychology, Simon Fraser University
- 1999-2007 Associate Professor: Department of Psychology, Simon Fraser University
- 1993-1999 Assistant Professor, Department of Psychology, Simon Fraser University
- 1990-1991 Teaching Assistant, Department of Measurement, Evaluation and Computer Applications (MECA), Ontario Institute for Studies in Education
- 1991 Research Assistant, Department of Measurement, Evaluation and Computer Applications, Ontario Institute for Studies in Education  
(Supervisor: Dr. R. Traub)
- 1990 Research Assistant, Department of Measurement, Evaluation and Computer Applications, Ontario Institute for Studies in Education  
(Supervisor: Dr. S. Nishisato)
- 1989 Research Assistant, Department of Psychology, University of Guelph  
(Supervisor: Dr. R. Chrisjohn)
- 1989 Lecturer, Native Indian Teacher Education Program, University of British Columbia
- 1987-1988 Teaching Assistant, Dept. of Psychology, University of Guelph

1988-1989      Researcher, Student Environment Resource Group, University of Guelph

### **ADMINISTRATIVE POSITIONS**

1999-2009      Coordinator, Theory and Methods Program, Department of Psychology,  
Simon Fraser University

### **NON-ACADEMIC POSITIONS**

1993              Head of Market Research, B.C. Transit

1991,1992      Research Analyst, Toronto Transit Commission

1990              Statistical Consultant, Statistical Consulting Centre, Ontario Institute for  
Studies in Education.

### **TEACHING EXPERIENCE**

Psychology:

Introductory, honours, and graduate statistics; Multivariate statistics; Measurement theory

### **EDITORIAL AND REVIEW WORK**

Reviewer for Psychometrika, Current Issues in Cognition, Social Indicators Research, Canadian Journal of Behavioral Science, Journal of Economics Education, Theory and Psychology, Journal of Personality Assessment, Psychological Methods.

1998-2002      Editorial board, Canadian Journal of Behavioral Science

### **RESEARCH GRANTS**

2002-2006      NSERC Grant \$12,000/year

1994-1997      *President's Research Grant*. Simon Fraser University. \$5,800.

1996-              *SSHRC-Small Research Grant*. \$4,987.

### **PUBLICATIONS/IN PRESS**

36. Maraun, M. (Accepted). The object detection logic of latent variable modeling technologies. Quality and Quantity.

35. Maraun, M., and Heene, M. A (2015) A note on the implications of factorial invariance for common factor variable equivalence. Communications in Statistics.

34. Maraun, M., and Hart, S. (Accepted) Taxonic Latent Structure and Taxometrics in Forensic Mental Health.

33. Maraun, M., & Gabriel, S. (2013) Further imprecision will not a clarity bring. Theory and Psychology

32. Maraun, M. (2013). The Concepts of Suicidology. In A Wittgensteinian Perspective on the Use of Conceptual Analysis in Psychology, T. Racine and K. Slaney (eds.).

London: Palgrave-MacMillan.

31. Maraun, M., & Gabriel, S. (2013). Illegitimate concept equating in the partial fusion of construct validation theory and latent variable modelling. New Ideas in Psychology: On defining and interpreting constructs: Ontological and epistemological constraints. 31, 32-42.
30. Maraun, M. (2012) Validity and Measurement. Measurement. 10, 80-83.
29. Maraun, M., Gabriel, S., & Martin, J. (2011). The mythologization of regression towards the mean. Theory and Psychology, 21(6), 762-784.
28. Halpin, P., & Maraun, M. (2010). Selection between linear factor models and latent profile models using conditional covariances. Multivariate Behavioral Research, 46, 1-25.
27. Maraun, M., & Gabriel, S. (2010) Killeen's  $p_{rep}$  coefficient: Logical and Mathematical Problems. Psychological Methods, 15(2), 172-181.
26. Slaney, K.L. & Maraun, M.D. (2008). A proposed Framework for Analyzing the Performances of Tests: Consolidating Theory and Practice. Psychological Methods, 13(4), 376-390.
25. Maraun, M., & Halpin, P. (2008). Manifest and Latent Variates. Measurement: Interdisciplinary Research and Perspectives, 6(2), 113-117. **(Invited Commentary)**
24. Maraun, M., Gabriel, S., & Slaney, K. (2008). The Augustinian Methodological Family of Psychology. New Ideas in Psychology, Special Edition: Wittgenstein's Relevance to Psychology, 27(2).
23. Slaney, K.L. & Maraun, M.D. (2007). There Are No "specific correct" Usages of Concepts, Only Correct Usages: Linguistic Rules and the Bounds of Sense. Journal of Theoretical and Philosophical Psychology, 27(1), 104-112.
22. Slaney, K., & Maraun, M. (2005). Analogy and metaphor running amok: An examination of the use of explanatory devices in neuroscience. Journal of theoretical and philosophical psychology, 25(2), 153-172.
21. Maraun, M., & Peters, J. (2005). What does it mean that an issue is conceptual in nature? Journal of Personality Assessment (Invited commentary on R. McGrath, "Conceptual complexity and construct validity"), 85(2), 128-133. **(Invited commentary)**
20. Maraun, M., & Slaney, K. (2005). An analysis of Meehl's MAXCOV-HITMAX procedure for the case of continuous indicators. Multivariate Behavioral Research, 40(4), 489-518.
19. Maraun, M., Slaney, K., and Jalava, J. (2005). Dual scaling for the analysis of categorical data. Journal of Personality Assessment, 85(2), 209-217.
18. Maraun, M., Slaney, K., & Goddyn, L. (2003). An analysis of Meehl's MAXCOV-HITMAX procedure for the case of dichotomous items. Multivariate Behavioral Research, 38(1).
17. Bedi, R., Maraun, M., & Chrisjohn, R. (2001). A multi-sample item response theory analysis of the Beck Depression Inventory-1A. Canadian Journal of Behavioural Science, 33:3, 176-187.

16. Maraun, M., & Rossi, N. (2001). The extra factor phenomenon revisited: Unidimensional unfolding as quadratic factor analysis. Applied Psychological Measurement, *25*(1), 77-87.
15. Maraun, M., Jackson, J., Luccock, C., Belfer, S., & Chrisjohn, R. (1998). CA and SPOD for the analysis of tests comprised of dichotomous items. Educational and Psychological Measurement, *58*(6).
14. Maraun, M. & Chrisjohn, R. (1998). Intelligence research and the legacy of confusion. In R. Chrisjohn, S. Young, and M. Maraun, The circle game: Shadows and substance in the indian residential school experience in Canada. Thetis Press.
13. Maraun, M. (1998). Measurement as a normative practice: Implications of Wittgenstein's philosophy for psychological measurement. Theory and Psychology. (**Target article**)
12. Maraun, M. (1998). The nexus misconceived: Wittgenstein made silly. Theory and Psychology
11. Alexander, B., Dawes, G., van de Wijngaart, G., Ossebaard, H, & Maraun, M. (1998). The "Temperance Mentality": A study of university students in six countries. Journal of Drug Issues.
10. Maraun, M. (1997). Exactly what *is* an artefact. Current Psychology of Cognition, *16*(6), 740-749. (**Invited commentary**)
9. Maraun, M. (1997). Appearance and Reality: Is the Big-five the structure of trait descriptors. Personality and Individual Differences, *22*(5), 629-647.
8. Maraun, M. (1996). Metaphor taken as math: Indeterminacy in the factor analysis model. Multivariate Behavioral Research, *31*(4), 517-538. (**Target article**)
7. Maraun, M. (1996). Meaning and mythology in the factor analysis model. Multivariate Behavioral Research, *31*(4), 603-616.
6. Maraun, M. (1996). The claims of factor analysis. Multivariate Behavioral Research, *31*(4), 673-689.
5. Jackson, J., & Maraun, M. (1996). The conceptual validity of empirical scale construction: The case of the sensation seeking scale. Personality and Individual Differences, *21*(1), 103-110. (**Target article**)
4. Jackson, J., & Maraun, M. (1996). Whereof one cannot speak, thereof one must remain silent. Personality and Individual Differences, *21*(1), 115-118.
3. Maraun, M., & Chrisjohn, R. (1995). Radex structure of Jackson's Basic Personality Inventory. Personality and Individual Differences, *19*(6), 881-892.
2. Traub, R., & Maraun, M. (1994). Educational measurement in Canada: Past, present and future. In D. Laveault, B. Zumbo, M. Gessaroli, and M. Boss (Eds.), Modern theories of measurement: Problems and issues, Ottawa, Canada: University of Ottawa.
1. Tal, N., Siegel, L., & Maraun, M. (1994). The role of question type and reading ability in reading comprehension. Reading and Writing: An Interdisciplinary Journal, *6*, 387-402.

## **BOOKS**

Jalava, J., Griffiths, S., and Maraun, M. (2015). The Myth of the Born Criminal: Science, Psychopathy, and Folklore. Toronto: University of Toronto Press.

Chrisjohn, R., Young, S., & Maraun, M. (1998). The circle game: Shadows and substance in the indian residential school experience in Canada. Thetis Press.

Maraun, M. Myths and confusions: Psychometrics and the latent variable model

## **SUBMITTED FOR REVIEW/IN PROGRESS**

### **Revise and resubmit**

### **In progress**

Maraun, M., and Heene, M. Recovery of narrow heritability under unknown phenotypic and genetic architecture.

Maraun, M., Metta, A., Heene, M., Fraser-Maraun, J., and Hart, S. Dimensionality, Reliability, and the Adjudication of the PCL-R.

Maraun, M., and Heene, M. A note on the definition of epistasis in Zuk et al. (2012).

Maraun, M., and Carroll, D. Taxometrics: A case study of ensured unresolvability through ill-definition of problem.

Maraun, M., Heene, M., Gabriel, S., and Fraser-Maraun, J. The one-way, between-subject, design, with an integer valued dependent variate: Classical ANOVA, Nonparametric ANOVA, and Poisson GLM.

## **CONFERENCE PRESENTATIONS/INVITED ADDRESSES**

Maraun, M., & Gabriel, S. (2009). The Mythologization of Regression Towards the Mean. *Annual Convention of the American Psychological Association, Toronto, Ontario*.

Halpin, P. & Maraun, M. (2009). The object detection logic of latent variable modeling. *Annual Convention of the American Psychological Association, Toronto, Ontario.*

Maraun, M. (2009). The object detection logic of latent variable modeling. *Department of Native Studies, St. Thomas University, Fredericton, New Brunswick.*

Maraun, M. & Gabriel, S. (2009). The Mythologization of Regression Towards the Mean. *Department of Native Studies, St. Thomas University, Fredericton, New Brunswick.*

## **THESES**

Maraun, M. (1992). Issues pertaining to the determinacy of item response models. Doctoral Thesis, University of Toronto.

Maraun, M. (1989). Conceptual and methodological problems in the act frequency approach. Masters Thesis, University of Guelph.

## **TECHNICAL PAPERS AND MANUALS**

Chrisjohn, R., McDonald, L., & Maraun, M. (1989). Handbook of research and evaluation for first nations communities. Native Indian Teacher Education Program, University of British Columbia.

Maraun, M. (1989). Simplex model of student attrition. Technical Publication, Student Environment Resource Group, University of Guelph.

Maraun, M. (1988). A preliminary taxonomy of student types. Technical Publication, Student Environment Resource Group, University of Guelph.

## **CONFERENCES, SYMPOSIA, AND COLLOQUIA**

Peters, J., and Maraun, M.D. (2005, June 1). Challenging the Coherence of the Concept "Theory of Mind": A Critical Examination of the Theory-theory. Paper presented at the 35th Annual Meeting of the Jean Piaget Society.

S.L. Blyderveen, Cox, D., and Maraun, M. (2002). Considering outcomes of peer victimization and possible moderators. Presented at the 100th annual convention of the American Psychological Association, Chicago, Illinois.

S.L. Blyderveen, Cox, D., and Maraun, M. (2002). Risk factors for peer victimization in British Columbia youth. Presented at the annual convention of the Canadian Psychological Association, Vancouver, British Columbia.

Fraser, S., & Maraun, M. (1998). Self-Conscious emotions in middle childhood: Relationships to children's behavior problems. Presented at the annual meeting of the American Psychological Association.

Shercliffe, R., Maraun, M., & Cox, D. (1997). The factor structure of major league baseball.

Presented at the annual meeting of the American Psychological Association.

Maraun, M. (1994). Curiosities from construct validity. Paper presented at the Friday Experimental Seminar, Simon Fraser University.

Jackson, J., & Maraun, M. (1994). The conceptual validity of empirical scale construction techniques with particular reference to Zuckerman's Sensation Seeking Scale. Paper presented at the Psychology department mini-convention, Simon Fraser University.

Chrisjohn, R., & Maraun, M. (1991). What is not what in intelligence testing. Presented at the annual meeting of the Canadian Psychological Association, Calgary.

Maraun, M. (1991). A note on psychological measurement theory and the grammar of measurement. Presented at the annual meeting of the Canadian Psychological Association, Calgary.

Maraun, M., & Chrisjohn, R. (1989). Problems in the act frequency approach. Presented at the annual meeting of the Canadian Psychological Association, Halifax.

## **AWARDS**

1991 Honours Standing, Ph.D. comprehensive examination in measurement, Ontario Institute for Studies in Education.

1989 Tong Award, Outstanding Graduate Thesis. Department of Psychology, University of Guelph.

## **SUPERVISION AND THESIS COMMITTEES**

### **Undergraduate Honours Students - Principal Supervisor**

Paddock, S. 2013

Fok, C. 2001 B.A. "In defense of canonical correlation analysis"  
Present Position: M.A. student, McGill University (James Ramsay, supervisor)

Rossi, N. 1998 B.A. "On U's and self-monitoring propensities: A test theory conundrum" (Special mention: Dept. of Psychology Honours Thesis Competition)  
Present Position: M.A. student, McGill University (James Ramsay, supervisor)

Bedi, R. 1998 B.A. "The statistical validity and generalizability of the Beck Depression Inventory"  
Present Position: M.Ed. student, Simon Fraser University

Youseffi, B. 1998 B.A. "Against our better judgment: Personal responsibility in date rape"  
Present Position: M.A. student, Simon Fraser University

Belfer, S. 1996 B.A. "Some problems with the five-factor taxonomy of traits"

Present Position: M.Ed. student, Simon Fraser University

Houghton, J. 1996 B.A. "Standardizing the use of forensic assessment instruments: A decision-theoretic approach to the setting of cut scores"

(Winner, Dept. of Psychology Honours Thesis Competition)

Present Position: Lawyer

Jalava, J. 1996 B.A. "How to conceive of traits: A conceptual and itemmetric analysis of three personality scales"

Present Position: Ph.D. student, Simon Fraser University

Luccock, C. 1996 B.A. "Assessment of the content and structure of achievement motivation questionnaires: A new model for achievement motivation"

Present Position: Unknown

Russell, C. 1996 B.A. "Conceptual issues in the study of intelligence"

Present Position: Unknown

Shaw, C. 1996 B.A. "The paths of eating disorders"

Present Position: Unknown

#### **Undergraduate Honours Students - Secondary Supervisor**

Saffrey, C. 2001

Present Position:

Dane, L. 1998

Present Position: Ph.D. candidate, Dept. of Psychology, Simon Fraser University

Seguin, J. 1998

Present Position: Law School, McGill University.

Maglio, A. 1997

Present Position:

Adrian, J. 1997

Present Position:

#### **Graduate Students - Principal Supervisor**

Current: Colin de Freitas (Ph.D). To defend; July 24, 2015

Slaney, K. 2006 Ph.D. "

Jalava, Jarkko. In progress Ph.D.

Halpin, Peter. In progress Ph.D.



Slaney, K. 2001 M.A. "Categories, types and taxa: A critical analysis of Paul Meehl's program for explicating taxonicity"

Present Position: Ph.D. candidate, Dept. of Psychology, Simon Fraser University.

MacDonald, H. 1997 Ph.D. "Preferences of Ontario residents for wilderness areas: An examination of the conjoint methodology"

Present Position: Market researcher.

### **Graduate Students - Secondary Supervisor**

Eliza Winter. 2015. Ph.D.

Present Position: Post-doc

Marceau, R. 1995 Ph.D. "A neuropsychological typology of adult offenders: A developmental/preventative perspective"

Present Position: Unknown

Escudero, M. 1996 Ph.D. "Childhood trauma: Its impact on attachment, psychosocial development, and symptomatology in women"

Present Position: Unknown

Jackson, J. 1996 Ph.D. "Conceptual and empirical component of test analysis"

Present Position: Researcher, B.C. Cancer Research Agency.

Cohen, D. 1997 Ph.D. "The impact of motivation on people's recollections of their parents"

Present Position: Unknown

Wingert, H. 1997 Ph.D. "The label "gifted": Parental beliefs, transfer of beliefs and impact on the child"

Present Position: Unknown

Bush, A. 1997 Ph.D. "Direct and indirect paths of parental social influence in understanding and predicting condom use among late adolescents and young adults"

Present Position: Unknown

Ackland, P. 2000 Ph.D. "Sense and socialization: The influence of temperament and parenting on toddler guilt and compliance"

Present position: Unknown

Janicki, M. 2000 Ph.D. "An investigation of the cognitions and perceptions concerning social exchange in various types of relationships"

Present position: Unknown

Rein, A. Ph.D. 1998 Ph.D. "Sexual orientation and suicidal behaviour among adolescents"

Present position: Unknown

Schweighoffer, A. 1998 Ph.D. "A typology of psychologists with a substance abuse treatment specialty: Support for temperance ideology"

Present position: Unknown

Streibel, K. 2000 Ph.D. "Olfactory identification and psychitric symptomatology"

Present position: Instructor, Psychology Dept, University of the Fraser Valley.

Walters, S. 1998 Ph.D. "Fluctuating asymmetry and its relation to health and personality pathology"

Present position: Sessional instructor

Ziabakhsh-Motajaded, S. 2000 Ph.D. "the relationship between the "Iranian self" and the acculturative patterns of Iranian women"

Present position: Market researcher

Fraser , S. 2000 Ph.D.

Present position:

Katz, Z. 1999 Ph.D. "Canadian psychologist's education, trauma history, and the recovery of memories of childhood sexual abuse"

Present Position: Unknown

van Blyderveen, S. M.A. (In progress) "Peer Victimization in British Columbia Youth"

Bunce, P. 2001 M.A. "The many faces of disordered eating: An analysis of eating behaviours in an adolescent sample"

Present position: Medical School, University of British Columbia

Boddy, J. 2001 M.A. "Interrelater reliability of the Fitness Interview Test"

Present position: Ph.D. candidate, Simon Fraser University

Griffiths, S. 2001 M.A.

Present position: Ph.D. candidate, Simon Fraser University

Patenaude, R. 1995 M.A. "Self-blame and control appraisals as moderators of adjustment in children exposed to interparental conflict"

Present position:

Fraser, S. 1996 M.A.

Present position: Unknown

Phillips-Hing, C. 2000 M.A.

Present position: Unknown