

RM2003

**Second Workshop on Research Methodology
(Program)**

TUESDAY, JUNE 24, 2003.

18.00–21.00. Registration at the registration desk in the hall of the main building of VU University.

WEDNESDAY, JUNE 25, 2003.

8.30–9.15. Registration.

9.15–9.45.

Opening by the President of VU University.

Welcome by Maarten Boers, head of the Department of Clinical Epidemiology and Biostatistics.

Introduction by Don Mellenbergh and Herman Adèr.

SESSION A (*Research design, modelling and inferencing*).

Chair: Jan Hoeksma

o **9.45–9.30.** Invited lecture:

Latent variable models under Misspecification: two Stage Least Squares (2SLS) and Full Information Maximum Likelihood (FIML) Estimators by Kenneth Bollen (University of North Carolina).

o **10.50–12.05.** Contributed papers:

1. *A Modeling Approach to Post-Hoc Comparisons of Means and Proportions* by C. Mitchell Dayton, University of Maryland.
2. *The latent Markov model for normally distributed data specified as a constrained normal mixture* by Conor Dolan & Verena Schmittmann, University of Amsterdam.
3. *Homeostasis and its biasing effects upon data analysis* by Peter C.M. Molenaar, University of Amsterdam.

12.05–12.35 Discussion, session A; discussant: Henk Kelderman

Lunch

13.00–14.00. Poster walk (guide: Joop Kuik):

- Poster 32: *Basing the smallest real difference (SRD) on the reproducibility of change-scores instead of status scores: the pros and cons.* by Karin Bruynesteyn, Désirée van der Heijde, Maarten Boers
- Poster 35: *Estimation Strategies for Meta-Regression Models with Heterogeneity and Publication Bias.* by Kees van Montfort and Raymond Florax
- Poster 50: *Measures of explained variation for non-normal outcomes.* by Martina Mittlböck and Harald Heinzl
- Poster 9: *A general method to estimate the power and the sample size of statistical tests.* by Daniele De Martini
- Poster 120: *Refreshment samples, matching and attrition bias.* by Richard Dorsett
- Poster 54: *Taxi-Related Pediatric Pedestrian Injuries in New York City.* by Charles DiMaggio

SESSION B. (Basic concepts in research methodology).

Chair: Denny Borsboom.

- **14.00–14.45.** Invited lecture:
Introduction to Kernel Equating for the NEAT Design. by Paul W. Holland (Educational Testing Service, Princeton, USA).
- **15.05–16.45.** Contributed papers:
 1. *Diagramming basic notions and research design in qualitative research.* by Herman J. Adèr, Anne-Mei The and Roeline Pasman, VU University medical center, Amsterdam.
 2. *Boolean algebra and the Comparative Method: Features and Applications to Social Sciences.* by Dr Branka Krivokapic-Skoko, Charles Sturt University, Bathurst, NSW.
 3. *Evaluating and assessing uncertainty of large-scaled statistical analyses exemplified at the Boehringer TCDD cohort.* by Harald HEINZL, Vienna University and Lutz EDLER, German Cancer Research Center, Heidelberg.
 4. *An exploration of accessible data analysis techniques to simultaneously assess events and state duration.* by Maarten Boers, Herman Adèr, Dick Bezemer, Dirk Knol, Piet Kostense, Joop Kuik, Jos Twisk and Bernard Uitdehaag. VU University Medical Center Amsterdam.

16.45–17.15. Discussion, session B; Discussant: Don Mellenbergh

17.30–19.00. RECEPTION

THURSDAY, JUNE 26, 2003

8.30–9.15. Registration.

SESSION C. (*Applications of research methodology*).

Chair: Riekie de Vet.

- **9.15–10.00.** Invited lecture:
The Relation between Distribution and Anchor-Based Methods of Estimating Treatment Effects in Health Related Quality of Life. by Geoffrey Norman (McMaster University, Ontario, Canada).
- **10.20–12.00.** Contributed papers (10.20):
 1. *On assessing responsiveness: guidelines for instrument evaluation.* by C. B. Terwee (VU University Medical Center), F. W. Dekker (Leiden University Medical Center) and P. M. M. Bossuyt (AMC, University of Amsterdam).
 2. *Approaches to combine multiple outcome measures in clinical studies.* by P. F. M. Krabbe, MTA, Nijmegen, The Netherlands.
 3. *On the Importance of Screening for the Optimization of the Cost-Effectiveness of Prevention Programmes: A Campaign Against Family Violence.* by Georg P. Mueller, University of Fribourg, Switzerland.
 4. *Psychometric evaluation of self-report Questionnaires - the development of a checklist.* by S. D. M. Bot, C. B. Terwee, D. A. W. M. van der Windt, L. M. Bouter, J. Dekker and H. C. W. de Vet (VU University medical center).

12.00–12.30. Discussion, Session C; discussant: Riekie de Vet

Lunch

13.00–14.00. Poster walk (guide: Herman Adèr):

- Poster 56: *Drug explorations after registration: methodology in pharmaco-epidemiology and dis-similarities with clinical epidemiology* by Hilde Tobi and Dirk J. Kuik
- Poster 17: *Risk Factors for Oral and Pharyngeal Cancer- A case control study* by Bindu Kalesan, J. C. Muthusami, S. John and J. Muliyl
- Poster 63: *Self-disclosure in the Work Environment: Qualitative and Quantitative Individual Differences* by A. M. de Meij
- Poster 83: *Interpretation and misinterpretation of cost-effectiveness analysis* by I. B. C. Korthals-de Bos, M. C. de Bruyne and M. W. van Tulder
- Poster 85: *Forecasting Italian pharmaceutical expenditure and evaluating cost-containment regional strategies using ARIMA model* by Claudio Voci, A. Violante, A. Menna, M. Brunetti, P. Panei, M. Magrini

SESSION D. (*RM Advisory practice and the RM curriculum*).

Chair: Joop Kuik.

- 14.00–14.45. Invited lecture:
Statistical Analysis of Data of DNA microarray and Protein array experiments: problems and consultation issues. by Javier Cabrera (Rutgers University).
- 15.05–16.45. Contributed papers:
 1. *In search of a new researcher: the ethical professional.* by Jeanine Evers, Zoetermeer, The Netherlands.
 2. *RM in teaching and consultation.* by P. Dick Bezemer and Herman J. Adèr, VU University medical center.
 3. *The role of statistics in the development of research protocols for public health and clinical qualifications and research at the University of Pretoria.* by Zeleke Worku, University of Pretoria, South Africa.
 4. *A Knowledge Base for Internet as a tool in Statistical Education.* by Herman J Wynne, Utrecht University.

16.45–17.15. Discussion, Session D; Discussant: Hilde Tobi

17.30–20.00 FESTIVE BUFFET adorned by the NAP gipsy band.

FRIDAY, JUNE 27, 2003.

SESSION E (*Formulation of RM research topics*).

Chair: Tom Snijders.

- **9.15–10.00.** Invited lecture:
RM Research Topics by Don Mellenbergh, (University of Amsterdam).
- **10.20–12.00.** Contributed papers:
 1. *Exploratory Factor Analysis, Abduction, and the Principle of the Common Cause.* by Brian D. Haig, University of Canterbury, Christchurch, New Zealand.
 2. *Quality of life questionnaires for people with visual impairments: a systematic review.* by M. R. de Boer, A. C. Moll, H. C. W. de Vet, C. Terwee, H. J. Volker-Dieben, G. H. M. B. van Rens, VU University, Amsterdam.
 3. *The Development Of Local Economies And The Possible Impact Of Public Policy: A Note On A Methodology For Case Studies.* by J. Robert Branston (University of Bath, UK), Lauretta Rubini, Silvia Sacchetti (University of Ferrara, Italy), Roger Sugden, Ping Wei and James R. Wilson (University of Birmingham, UK)
 4. *Scientific VS Cookbook Econometrics – an Emphasis on the Ethical Issues.* by Ahmad Jafari-Samimi, University of Mazandaran at Babolsar, Iran.

12.00–12.30. Discussion, session E; discussant: Denny Borsboom

FAREWELL

12.45 Lunch