



Psychoco – International Workshop on Psychometric Computing

February 12–13, 2015

Universiteit van Amsterdam, The Netherlands

Thursday, February 12

13:20	<i>Welcome</i>	
13:30	Phil Chalmers	Multidimensional Item Response Theory Applications with mirt and mirtCAT
<i>Coffee break</i>		
14:50	Peter van Rijn	A Quadrature Kalman Filter for Estimating Longitudinal Item Response Models.
15:10	Gerhard Tutz, Moritz Berger	Differential Item Functioning with Item Focused Trees
15:30	Niels Smits	Loglinear Models as a General Framework for Stochastic Curtailment
15:50	Achim Zeileis	Examining Exams with the psycho* Family of R Packages
<i>Coffee break</i>		
16:40	Nora Umbach, Florian Wickelmaier	qdm: Dealing with Violations of Regular Minimality in Psychophysical Judgments
17:00	Dominik Wabersich	The RWiener package
17:20	Wouter Weeda	Rtanalyze: A Package for Reaction Time Analysis in R
17:40	Ingmar Visser, Rens Poessé	The General Linear Ballistic Accumulator Model
<i>Dinner (Bierfabriek)</i>		

Friday, February 13

09:00	Florian Böing-Messing, Marcel A. L. M. van Assen, Joris Mulder, Herbert Hoijtink	Bayesian Evaluation of Equality and Inequality Constrained Hypotheses on Variances
09:20	Ed Merkle, Dongjun You	Applying Vuong Tests to Structural Equation Models
09:40	Stella Bollmann, Andreas Hölzl, Helmut Küchenhoff	Estimation of Parameters in Latent Variable Models Using SIMEX as an Alternative to SEM
10:00	Myrsini Katsikatsou	Applying Pairwise Likelihood within Structural Equation Modeling with Ordinal Variables Using lavaan
<i>Coffee break</i>		
10:50	Katharina Naumann, Nora Umbach, David Hoppe, Holger Brandt, Augustin Kelava, Bernhard Schmitz	nlssem: An R Package for Nonlinear Structural Equation Mixture Models
11:10	Daniël W. van der Palm, L. Andries van der Ark, Jeroen K. Vermunt	Divisive Latent Class Models in R
11:30	Elise Dusseldorp, Lisa Doove, Iven van Mechelen	quint: An R Package for Identification of Subgroups of Clients Who Differ in Which Treatment Alternative Is Best for Them
11:50	Marjolein Fokkema, Niels Smits, Achim Zeileis, Torsten Hothorn, Henk Kelderman	Detection of Treatment-Subgroup Interactions in Clustered Datasets: Combining Model-Based Recursive Partitioning and Random-Effects Estimation
<i>Lunch break</i>		

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13:30	Maarten Speekenbrink	mcplR: Multiple Cue Probability Learning Models in R
13:50	Florian Wickelmaier, Achim Zeileis	Recursive Partitioning for Multinomial Processing Tree Models: A New Implementation Based on the partykit Package
14:10	Thomas Rusch, Patrick Mair, Kurt Hornik	COPS: Cluster Optimized Proximity Scaling
14:30	Maarten Marsman, Gunter Maris, Timo Bechger, Cees Glas	Matching Randomly Generated Proposals to Kernels in Independence Metropolis Chains
<i>Coffee break</i>		
15:20	Inga Schwabe, Stéphanie M. van den Berg	BayesTwin – An R Package for Bayesian Analysis of Twin Data
15:40	Jonathon Love, Ravi Selker, Josine Verhagen, Maarten Marsman, Quentin Gronau, Martin Smira, Anneliese Wild, Alexander Ly, Dora Matzke, Richard D. Morey, Jeff Rouder, Eric-Jan Wagenmakers	JASP, a Low Fat Alternative to SPSS, A Delicious Alternative to R
16:00	David Magis	From Psychometric Research to Implementation and Back: Selected Examples
<i>Dinner</i>		
