



## Psychoco 2023

### International Workshop on Psychometric Computing

June 8-9, 2023  
 Room KOL-E-18  
 Rämistrasse 71  
 Universität Zürich, Switzerland

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#### Thursday, June 8

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13:00	<i>Welcome (Carolin Strobl)</i>	
13:10	Wolfgang Viechtbauer	14 Years of the metafor Package: A Retrospective
13:50	Patřicia Martinkova	SIAmModules: Modules for ShinyItemAnalysis
14:10	Dries Debeer	eatATA: Automated Test Assembly for R-Users
14:30	Charles Driver	bigIRT: Fitting Item Response Theory Models to Large Scale Binary Data
14:50	Marie Beisemann	Marginal Maximum Likelihood Estimation Algorithms for Uni- and Multidimensional Count Item Response Models
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15:10	<i>Group photo and coffee break</i>	
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15:50	Mirka Henninger	A New Stopping Criterion for Rasch Trees Based on the Mantel-Haenszel Effect Size Measure
16:10	Achim Zeileis	Tree Models for Assessing Covariate-Dependent Method Agreement
16:30	Philip Buczak	Detecting Random Effect Variance Heterogeneity in Linear Mixed Models through Recursive Partitioning
16:50	Marjolein Fokkema	Detecting Shape Heterogeneity in Penalized Regression Splines
17:10	Gidon Frischkorn	Towards Easy and Accessible Cognitive Measurement Models: Introducing the Bayesian Measurement Model (bmm) R Package
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19:00	<i>Dinner at Tibits Bistro, Falkenstrasse 12, 8008 Zurich</i>	

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**Friday, June 9**

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09:00	Max Welz	Quantifying Effects of Rating-Scale Response Bias In Correlational Analyses
09:20	Andreas Alfons	A Machine Learning Approach for Identifying the Onset of Careless Responding
09:40	Benjamin Garzón	Modelling Computer-Based Formative Assessment Data With Graph Neural Networks
10:00	Stefano Noventa	Toward a Unified Perspective on Assessment Models, a Perspective on KST, CDA, and IRT
10:20	Florian Wickelmaier	Extending the pks Package for Fitting Probabilistic Knowledge Structures
10:40	<i>Coffee break</i>	
11:10	Timo von Oertzen	Why Bayesian Models Tests of Different Dimensionality Are Even Worse than Null Hypothesis Significance Testing
11:30	Jaroslav Horníček	An Efficient Way for Hierarchical Clustering on Categorical Data Using R Package nomclust
11:50	Benedikt Langenberg	The subgroupSEM R Package for Subgroup Discovery in Structural Equation Models
12:10	Alexander Robitzsch	Model-Robust Estimation of Multiple-Group Structural Equation Models
12:30	<i>Lunch break</i>	
13:50	Francesca Freuli	A New Semi-Analytical Model to Assess the Incidence of Data-Peeking Practices
14:10	Rudolf Debelak	Optimizing Statistical Power in Complex Study Designs in Psychology: An Application of Machine Learning
14:30	Felix Zimmer	Minimum Sample Size Calculation for Prediction Modelling Using Surrogate Modelling
14:50	Phil Chalmers	SimDesign: An R Package for Executing Monte Carlo Simulation Experiments
15:30	<i>Coffee and closing</i>	
18:30	<i>Open Mic Music Night with snacks and drinks</i> <i>Gemeinschaftszentrum Hottingen, Gemeindestrasse 54, 8032 Zürich</i>	

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