



Erasmus
School of
Economics

Psychoco 2024

International Workshop on Psychometric Computing

February 29 - March 1, 2024

Campus Woudestein, Burgemeester Oudlaan 50

Erasmus University Rotterdam, The Netherlands

Pre-Workshop Tutorial: Robust Statistical and Psychometric Methods in R

Thursday, February 29		Sanders Building, Room 0.03
09:00	Andreas Alfons	Robust Mediation Analysis: From Methodological Advancements to Easy and Reproducible Reporting
09:40	<i>Break</i>	
10:00	Max Welz	Detecting the Onset of Careless Responding with the R Package <i>carelessonset</i>
10:40	<i>Break</i>	
11:00	Aurore Archimbaud	Invariant Coordinate Selection for Identifying the Structure of Multivariate Datasets

Psychoco Workshop

Thursday, February 29		Sanders Building, Room 0.03
13:00	<i>Welcome</i>	
13:05	Marco Riani	Robust Correspondence Analysis: Theory and Data Analysis
13:50	Florian Wickelmaier	An R Implementation of the Simple Learning Model for Probabilistic Knowledge Structures
14:10	Jeffrey Durieux	Multi-CHull for Multiverse Analysis: Studying Model Sensitivity by Applying CHull with Multiple Fit Values
14:30	Charles Driver	Fast Approximations for Binary and Ordinal Data in Dynamic Systems Models
14:50	Mana Saki	Do Women Overestimate the Extent to Which They Are Underestimated?
15:10	<i>Group photo and coffee break</i>	
15:50	Rudolf Debelak	Investigating Heterogeneity in IRTree Models for Response Styles Using R
16:10	Niels Smits	Models for Studying Strategic Test-Taking Behavior?
16:30	Susanne Frick	Modeling Process Data with Explanatory Item Response Models to Understand Faking in Questionnaires
16:50	David Elek	A Unifying Account of Spurious Dimensionality in Psychological Questionnaires
17:10	Franz Classe	Computation of Model Scores for Multidimensional Item Response Theory Models Fitted with the WLS Estimator
17:30	A. Psychogiopoulos	Estimating the Joint Item-Score Density Using an Unrestricted Latent Class Model: Advancing Flexibility in Computerized Adaptive Testing
19:00	<i>Dinner at Belgisch Biercafe Boudewijn, Nieuwe Binnenweg 53a-b, 3014 GD Rotterdam</i>	

Friday, March 1		Van der Goot Building, Room M1-19
09:00	Terrence Jorgensen	Bayesian Inference for Multivariate Social Relations Models via (r)Stan
09:20	Aditi Bhangale	Hyperparameters of Empirical Bayes Priors for MCMC Estimation of the Multivariate Social Relations Model
09:40	Kathrin Gruber	Quadratic Majorization of the Rating Scale Model
10:00	Maarten Marsman	bgms: Bayesian Analysis of Graphical Models of Binary and/or Ordinal Variables
10:20	Karoline Huth	Network Analysis with the R Package easybgm
10:40	<i>Coffee break</i>	
11:10	Timo von Oertzen	Bayesian Non-Parametric Test Using Independent Evaluation on Classifiers
11:30	Andries van der Ark	Standard Errors and Null-Hypothesis Significance Tests for Reliability Coefficients
11:50	Max Welz	A General Framework for Robust Estimation and Inference in Discrete Data
12:10	Achim Zeileis	Visualizing Goodness of Fit of Probabilistic Regression Models
12:30	Elise Dusseldorp	Meta-Regression Trees
12:50	<i>Lunch break</i>	
14:15	Benedikt Langenberg	Leveraging Dynamic Structural Equation Modeling for Analyzing Intensive Eye-Tracking Data: Illustration and Software Development
14:35	Ana Martinovici	Improving Reproducibility of Eye-Tracking Studies
14:55	Karel Recka	shinyLavaan: A Confirmatory Factor Analysis Made Easy
15:15	Michel van de Velden	Unbiased Mixed Variables Distance
16:00	<i>Closing</i>	
16:30	<i>Drinks at Erasmus Paviljoen</i>	