

## Programm FGME 2023

### Montag

09:00 – 09:30	<b>Begrüßung</b> Ort: R611		
09:45 – 11:30	<b>Symposium: Increasing the Validity of Psychological Assessments with Response Time Models of Test-Taking Behavior</b> Ort: R0512 Chair: Sören Much  A screen-time-based mixture model for identifying and monitoring careless and insufficient effort responding in ecological momentary assessment data <b>Esther Ulitzsch, Gabriel Nagy, Oliver Lüdtke, Steffen Nestler</b>  Validating a Screen-Time-Based Weighting-Approach Accounting for Careless and Insufficient Effort Responding – Evidence from Experimental Data <b>Sabrina Benz, Esther Ulitzsch</b>	<b>Symposium: Addressing Challenges in the Modeling of Comparative Responses – New Extensions to Thurstonian Item Response Modeling</b> Ort: R0513 Chair: Susanne Frick  Thurstonian linked blocks: A new approach to model Thurstonian forced-choice data <b>Markus Thomas Jansen, Ralf Schulze</b>  Thurstonian Scaling with 99 Items: A Simulation Study <b>Jan Killisch, Susanne Frick, Anna Brown, Eunike Wetzel</b>	

	<p>Extension of the DiffIRT-model to model omission and guessing behaviour  <b>Niklas Neek, Sören Much, Augustin Mutak, Steffi Pohl, Jochen Ranger</b></p> <p>Evaluating the Diffusion Item Response Theory model with Random Variability for modeling conditional dependence of responses and response times in psychological tests  <b>Steffi Pohl, Robert Krause, Augustin Mutak, Sören Much, Tobias Alfers, Jana Holtmann, Timo Gnams, Esther Ulitzsch, Jochen Ranger, Ben Domingue, Matthias von Davier</b></p> <p>Linear Ballistic Accumulator Models for Omissions Based on Solution Progress and Persistence  <b>Sören Much, Jochen Ranger, Augustin Mutak, Steffi Pohl</b></p>	<p>Importance: A new item parameter that cannot be revealed by single stimulus data  <b>Safir Yousfi</b></p> <p>Bayesian Thurstonian IRT Modelling: Logical Dependencies as an accurate reflection of Thurstone's Law of Comparative Judgement  <b>Hannah Heister, Susanne Frick, Philipp Doeblner</b></p> <p>Constructing Tests Based on Thurstonian IRT Block Information  <b>Susanne Frick</b></p>	
11:45 – 12:45	<p><b>Keynote <b>Anika Limburg</b>: Künstliche Intelligenz in der Hochschulbildung – ein Framework für zukunftsfähiges Lehren, Lernen und Prüfen.</b></p> <p><b>Ort: R611</b>  Chair: Fridtjof Nussbeck</p>		
12:45 – 14:45	<p><b>Poster und Mittagessen</b></p>		

<p>14:45 – 16:25</p>	<p><b>Computerized Adaptive Testing and Response Styles in Test-Taking</b>  Ort: R0512  Chair: Andreas Frey</p> <p>Der Einfluss hoch-adaptiven Testens auf den Ländervergleich bei PISA  <b>Christoph König, Aron Fink, Andreas Frey</b></p> <p>Metaanalyse zu den Effekten des computerisierten adaptiven Testens auf Motivation und Emotion  <b>Andreas Frey, Aron Fink, Christoph Koenig, Tuo Liu</b></p> <p>Adaptive Form of Network Psychometrics: a simulation study  <b>Tuo Liu, Sacha Epskamp</b></p> <p>Entwicklung einer Prozedur zum Umgang mit schnellem Raten  <b>Tobias Deribo, Ulf Kroehne, Lothar Persic-Beck, Frank Goldhammer</b></p>	<p><b>Longitudinal data Analysis</b>  Ort: R0513  Chair: Holger Brandt</p> <p>Challenges for psychometric evaluations in intensive longitudinal data  <b>Holger Brandt</b></p> <p>Unique Contributions of Dynamic Affect Indicators – Beyond Static Variability  <b>Kenneth Koslowski, Jana Holtmann</b></p> <p>Psychometric properties of the Dual-Range Slider response format  <b>Matthias Kloft, Jean-Paul Snijder, Daniel W. Heck</b></p> <p>Advancing Time Series Prediction - A didactic proposition of the LSTM neural network  <b>Andre Nedderhoff, Steffen Zitzmann, Martin Hecht</b></p>	<p><b>Symposium: Advances in Meta-Analysis</b>  Ort: R0511  Chair: Heinz Holling  Chair: Katrin Jansen</p> <p>(Component) Network Meta-Analysis  <b>Gerta Rücker</b></p> <p>Phantom moderators in meta-analytic structural equation modeling  <b>Timo Gnambs, Marie-Ann Sengewald</b></p> <p>Meta-Analysis of Binary Outcomes  <b>Heinz Holling, Katrin Jansen</b></p> <p>Using the beta-binomial model for meta-analysis  <b>Katrin Jansen, Heinz Holling</b></p>
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	<p>Accounting for Rapid Guessing in the Estimation of Plausible Values for Competence Data  <b>Jana Welling, Eva Zink, Timo Gnamb</b>s</p>	<p>Hierarchical Bayesian Dynamic Structural Equation Models: A Tutorial in Stan  <b>Jean-Paul Snijder, Valentin Pratz, Anna-Lena Schubert</b></p>	<p>Conducting rare-event meta-analysis with the R package 'raremeta'  <b>Karl Westphal, Katrin Jansen, Heinz Holling</b></p>
16:45 – 18:00	<p><b>Advances in IRTree modeling</b>  Ort: R0513  Chair: Rudolf Debelak</p> <p>People differ in how they response: Modeling heterogeneity in response strategies with mixture IRTrees  <b>Ömer Emre Can Alagöz, Thorsten Meiser</b></p> <p>IRTrees meet IRT Trees: Using Model-Based Recursive Partitioning to Detect Instabilities of Response Styles  <b>Rudolf Debelak, Alicia Gernand, Thorsten Meiser</b></p>	<p><b>Dealing with Issues of Multicollinearity and Missing Data</b>  Ort: R0512  Chair: Mario Lawes</p> <p>Multiple imputation of missing data on many variables with dimension reduction techniques  <b>Simon Grund, Oliver Lüdtke, Alexander Robitzsch</b></p> <p>A Closer Look at Multi-Method Planned Missing Data Designs: Caveats and Recommendations  <b>Mario Lawes, Michael Eid</b></p> <p>The effects of multicollinearity when testing congruence hypotheses in response surface analysis  <b>Florian Scharf, Dominik Strutz, Johanna Paping, Simon Grund, Sarah Humber</b></p>	<p><b>Web-Based Assessment</b>  Ort: R0511  Chair: Ulf-Dietrich Reips</p> <p>Methods of Web-Based Research in Psychology: A Review  <b>Ulf-Dietrich Reips</b></p> <p>A Step-by-Step Primer on Conducting Meta-Analyses: The Case of Internet-based Research  <b>Esther Kaufmann, Ulf-Dietrich Reips</b></p> <p>Late Responding in Web versus Mail Surveys: A Systematic Review and Meta-Analysis  <b>Ellen Laupper, Esther Kaufmann, Ulf-Dietrich Reips</b></p> <p>Geofencing in Location-Based Behavioral Research: Methodology, Challenges, and Implementation  <b>Yury Shevchenko, Ulf-Dietrich Reips</b></p>

## Dienstag

09:00 – 10:20	<p><b>Classification and Sequencing</b> <b>Ort: R0512</b> Chair: Rüdiger Mutz</p> <p>Stichprobengewichtung bei der Personenzentrierten Analyse von Konfigurationen aus kategorialen Daten <b>Jörg-Henrik Heine</b></p> <p>Auf der Suche nach dem verlorenen Goldstandard – Ein N-Mixture-MTMM-Modell für binäre Daten <b>Rüdiger Mutz</b></p> <p>Some ways of using variability to theorize better <b>Christoph Naefgen, Daniel Gotthardt, Anne Reinartz</b></p>	<p><b>Learning and Teaching</b> <b>Ort: R0511</b> Chair: Johannes Hartig</p> <p>Schätzung von Indikatoren von Instruktionssensitivität in GLMMs <b>Johannes Hartig, Marit Kristine List, Hochweber Jan, Naumann Alexander</b></p> <p>Die Vorhersage von Instruktionssensitivität durch Itemeigenschaften: Ein Vergleich zweier Modellierungsansätze <b>Marit Kristine List, Johannes Hartig, Jan Hochweber, Alexander Naumann</b></p> <p>Apps in die Methoden-Lehre einbinden? Strategien und Wege! <b>Sonja Hahn</b></p>	<p><b>Symposium: Methodological Developments in Replication Science: Insights from the META-REP Priority Program (Part I: The importance of study design and psychometric choices for replication research)</b> <b>Ort: R0513</b> Chair: Eunike Wetzel Chair: Marie-Ann Sengewald</p> <p>Causal inference in replication research: Designing replication studies as meta quasi-experiments <b>Jerome Hoffmann, Mathias Twardawski, Anne Gast, Johanna Höhs, Steffi Pohl, Dennis Kondzic, Marie-Ann Sengewald</b></p> <p>Decoding Reliability Generalization Heterogeneity: Exploring Variance Components in Psychological Measurements <b>Lukas J. Beinhauer, Jens H. Funderich, Frank Renkewitz</b></p> <p>Using multilevel regression and poststratification to derive efficient and representative norms <b>Taym Alsalti, Ruben C. Arslan</b></p>
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	<p>sprtt - A Toolbox for Sequential Probability Ratio Tests to Increase the Efficiency of Hypothesis Testing in Psychology  <b>Meike Steinhilber, Martin Schnuerch, Anna-Lena Schubert</b></p>	<p>Automatisierte Inhaltsanalyse von Essays mittels Transformern  <b>Aron Fink, Sebastian Gombert, Andreas Frey</b></p>	
10:40 – 12:00	<p><b>Advances in Latent Variable Modeling</b>  Ort: <a href="#">R0512</a>  Chair: David Jendryczko</p> <p>Hierarchically structured measurement models with bayesian lasso regularization  <b>Nils Petras</b></p> <p>Modellierung von Latenzunterschieden in Explorativen Faktorenanalysen für EKP Daten  <b>Kim-Laura Speck, Florian Scharf</b></p>	<p><b>Symposium: Methodological Developments in Replication Science: Insights from the META-REP Priority Program (Part II: Methodological developments for analyzing and predicting replicability)</b>  Ort: <a href="#">R0513</a>  Chair: Marie-Ann Sengewald  Chair: Eunike Wetzel</p> <p>Assessing replication success: A systematic comparison of correspondence measures  <b>Dennis Kondzic, Jerome Hoffmann, Marie-Ann Sengewald, Steffi Pohl</b></p> <p>Beyond Human Expertise: On the Potential of Machine Learning Models in Predicting Replication Success  <b>Steven Bißantz, Caroline Böhm, Eunike Wetzel</b></p>	<p><b>Symposium: Advances in Psychological Network Analysis</b>  Ort: <a href="#">R0511</a>  Chair: Kai Jannik Nehler</p> <p>Edge-Set identification for psychological networks using meta-heuristic approaches  <b>Martin Schultze, Kai Jannik Nehler</b></p> <p>Using stacked multiple imputation as missing handling for different cross-sectional estimation methods  <b>Kai Jannik Nehler, Martin Schultze</b></p>

	<p>Assessing Person- and Dyad-specific Reciprocity Traits with Round-Robin Data: Modifications of the Social Relations Model on the Basis of Stochastic Measurement and Classical Test Theory  <b>David Jendryczko, Fridtjof Nussbeck</b></p>	<p>Navigating a vast multiverse of analytical choices with machine learning approaches  <b>Andrea Hildebrandt, Daniel Kristanto, Cassie Short, Nadine Jacobsen, Christiane Thiel, Stefan Debener, Carsten Gießing</b></p> <p>The effect of suboptimal model choice - Ordinal modeling as a way to better understand effect size heterogeneity?  <b>Maximilian Frank, Prof. Dr. Moritz Heene</b></p>	<p>Exploratory subgroup detection of psychological networks: An evaluation of current model-based clustering approaches  <b>Tatiana Kvetnaya, Kai Jannik Nehler, Martin Schultze</b></p> <p>Bayesian Estimation and Comparison of Idiographic Network Models  <b>Björn S. Siepe, Daniel W. Heck</b></p>
12:00 – 13:15	<b>Mittagessen</b>		
13:15 – 14:15	<p><b>Keynote Daniel Kleim: visual analytics</b>  Ort: R611  Chair: Fridtjof Nussbeck</p>		
14:30 – 15:50	<p><b>Causal Inference</b>  Ort: R0513  Chair: Steffen Nestler</p> <p>Relationsanalyse (RELAN) – Aussagenlogische, statistische und kausale Analyse von Daten  <b>Rainer Maderthaner</b></p>	<p><b>Hierarchical Data Analysis</b>  Ort: R0512  Chair: Timo Gnambs</p> <p>Consequences of Hierarchical Data Structures for the Estimation of Plausible Values: An Application of Multilevel Modeling in Educational Large-Scale Assessments  <b>Eva Zink, Sabine Zinn, Timo Gnambs</b></p>	

	<p>Enhancing Power and Flexibility of Rank Preserving Model through Deep Neural Network Estimation: A Novel Approach for Causal Mediation Analysis  <b>ROBERTO FALEH, HOLGER BRANDT</b></p> <p>Doubly-robust estimation of the average treatment effect under covariate unreliability  <b>Marie Salditt, Steffen Nestler</b></p>	<p>An optimally regularized estimator of multilevel latent variable models with improved MSE performance  <b>Valerii Dashuk, Oliver Lüdtkke, Alexander Robitzsch, Martin Hecht, Steffen Zitzmann</b></p>	
16:15 – 18:00	<p><b>Fachgruppe</b>  Ort: R611</p>		
18:00 – 19:00	<p><b>Jungmitglieder</b>  Ort: R0512</p>		
19:00 – 23:59	<p><b>Gesellschaftsabend</b>  Ort: Konstanzer Wirtshaus</p>		



## Mittwoch

09:00 – 10:20	<p><b>Advances in Structural Equation Modeling</b> Ort: R0513 Chair: Tobias Koch</p> <p>Assessing Statistical Power and Planning Sample Size for Structural Equation Models using the R Package semPower <b>Martina Bader, Morten Moshagen</b></p> <p>Scaling Metric Measurement Invariance Models <b>Eric Klopp, Stefan Klößner</b></p> <p>Assessing heterogeneity of covariance matrices in meta-analytic structural equation models <b>Christian Bloszies, Tobias Koch</b></p> <p>Promises and limitations of applying specific SEM techniques to other disciplines exemplified in geoecology <b>Alex Rieger, Jan de Haan, Anne-Kathrin Schneider, Anett Schibalski, Frank Eggert, Boris Schröder-Esselbach</b></p>	<p><b>Interactions and Non-Linearity</b> Ort: R0512 Chair: Jana Holtmann</p> <p>Exploring Different Mixed-Effects Models for Approximating Time-Varying Experimental Effects <b>Salome Li Keintzel, Anna Nikolei, Florian Scharf</b></p> <p>Modeling within-level latent interaction effects in multilevel vector-autoregressive models <b>Jana Holtmann, Kenneth Koslowski</b></p> <p>Die Schätzung nicht-linearer Effekte von Random Slopes: Ein Vergleich von Multilevel-Strukturgleichungsmodellierung mit Zwei-Schritt-, Single-Indicator- und Plausible-Values-Verfahren <b>Sarah Humberg, Simon Grund, Steffen Nestler</b></p> <p>Simulation-Based Semi Parametric Estimation of Power in Nonlinear SEM <b>Julien P. Irmer, Andreas G. Klein, Karin Schermelleh-Engel</b></p>
10:30 – 11:15	<p><b>Vorträge der Preisträger</b> Ort: R0513</p>	

11:30 – 12:30	<b>Keynote <a href="#">Michael Birnbaum</a>: Separating measurement of error from the test of a theory - Don't confound model testing and measurement of error</b> Ort: <a href="#">R611</a> Chair: Ulf-Dietrich Reips	
14:00 – 15:20	<b>Applications of New Assessment-Techniques</b> Ort: <a href="#">R0513</a> Chair: Markus Antonius Wirtz  Assessing the Psychometric Properties of the German Big Five Inventory-2: A Multi-Rater, Multi-Context Approach Utilizing CT-C(M-1) Models and Measurement Invariance Analysis <a href="#">Dora Leander Tinhof, John Rauthmann, Axel Mayer</a>  Succeeding in a matrix-reasoning task: effects of cognitive strategy and response formats. <a href="#">Natalie Badstuber, Tuulia Ortner</a>  Anwendung der Generalisierbarkeitstheorie zur Analyse der Domänen- und Geschlechtsspezifität der Access-Items im European Health Literacy Survey (HLS-EU-Q47) <a href="#">Markus Antonius Wirtz, Anja Alexandra Schulz</a>	<b>Open Science, Replication, and Science-Communication</b> Ort: <a href="#">R0512</a> Chair: Mario Reutter  PsychoModels - A Platform for Computational Models of Psychological Mechanisms <a href="#">Noah van Dongen, Leonhard Volz, Denny Borsboom</a>  Assessing and Enhancing Measurement Precision <a href="#">Mario Reutter</a>  Shakespeare's Small World and Big Connections: Replicating Stiller, Nettle, & Dunbar (2003) <a href="#">Christian Thurn, Simone Sebben, Zoran Kovacevic</a>  Questioning the quality criterion SME for EEG data: Exploration of the influence of the quantification method and reference scheme on FRN and SME of FRN amplitudes. <a href="#">Johannes Rodrigues, Saskia Müller, Marko Paelecke, Yiwen Wang, Johannes Hewig</a>

**Donnerstag**

09:00 – 16:30	<b>Workshop: Einführung in Bayes</b> Ort: <a href="#">D0432</a> <a href="#">Marvin Schmitt</a>	<b>Workshop: Programmieren in R</b> Ort: <a href="#">D0433</a> <a href="#">Dries Debeer, Benjamin Becker</a>
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