EAM2023 Conference Schedule

Long version

(version of 5 July 2023)

Monday July 10th

08h00–09h00	Registration	
09h00–11h00	Workshops part 1	
	Auditorium 4	Machine Learning and Interpretable Machine Learning with R (Carolin Strobl, Mirka Henninger, Yannick Rothacher) (starts at 09h30)
	Auditorium 3	SimSEM-in-R: Simulating Structural Equation Models Using lavaan and simsem (Terrence D. Jorgensen)
	Lecture room 1.3	Meta-analysis for Diverse Study-designs (Rebecca Kuiper, Leonard Vanbrabant, Eli Clapper)
	Lecture room 1.2	Bayesian Hypothesis Evaluation (Herbert Hoijtink)
11h00–11h30	Coffee break	
11h30–13h00	Workshops part 2	
	Auditorium 4	Machine Learning and Interpretable Machine Learning with R (Carolin Strobl, Mirka Henninger, Yannick Rothacher)
	Auditorium 3	SimSEM-in-R: Simulating Structural Equation Models Using lavaan and simsem (Terrence D. Jorgensen)
	Lecture room 1.3	Meta-analysis for Diverse Study-designs (Rebecca Kuiper, Leonard Vanbrabant, Eli Clapper)
	Lecture room 1.2	Bayesian Hypothesis Evaluation (Herbert Hoijtink)
13h00–14h00	Lunch break	
14h00–15h30	Workshops part 3	
	Auditorium 4	Machine Learning and Interpretable Machine Learning with R (Carolin Strobl, Mirka Henninger, Yannick Rothacher)
	Lecture room 1.3	Meta-analysis for Diverse Study-designs (Rebecca Kuiper, Leonard Vanbrabant, Eli Clapper)
	Lecture room 1.2	Bayesian Hypothesis Evaluation (Herbert Hoijtink)
15h30–16h00	Coffee break	
16h00–17h00	Workshops part 4	
	Auditorium 4	Machine Learning and Interpretable Machine Learning with R (Carolin Strobl, Mirka Henninger, Yannick Rothacher)
	Lecture room 1.3	Meta-analysis for Diverse Study-designs (Rebecca Kuiper, Leonard Vanbrabant, Eli Clapper)
	Lecture room 1.2	Bayesian Hypothesis Evaluation (Herbert Hoijtink)
18h00–20h00	Welcome reception	
	Volderstraat 9	Aula Academica

Tuesday 11 July

08h00	Registration	
09h30–10h00	Auditorium 2	Welcome
10h00–11h00	Keynote Speaker	
	Auditorium 2	Carolin Strobl (Chair: Dries Debeer)
	Title	*Bringing owls to Athens: Some thoughts on what makes a good simulation study in methodological research*
11h00–11h30	Coffee break	
11h30–13h00	Auditorium 1	Symposium
	Symposium title	*Detecting and understanding aberrant response behaviors—Methodological advances and applications*
		Chair(s): Esther Ulitzsch, Johan Braeken
	Johan Braeken	Random Responders on the TIMSS 2015 student questionnaire
	Esther Ulitzsch	A screen-time-based mixture modeling approach for detecting and investigating careless and insufficient effort responding in ecological momentary assessment data
	Kseniia Marcq	Gender Differences in Item Nonresponse in the PISA 2018 Student Questionnaire
	Susanne Frick	Using Process Data to Understand Response Processes Underlying Socially Desirable Responding in Forced-Choice Questionnaires
11h30–13h00	Auditorium 2	Symposium
	Symposium title	*Large-Scale, Sparse and Noisy Educational Data: Challenges, Solutions, and Some Exemplary Findings*
		Chair(s): Martin J. Tomasik
	Rudolf Debelak	Detecting parameter instability in large assessments: An adaptation of score-based tests
	Charles Driver	Continuous-Time Modelling of Long and Short Term Relations Between Learning Domains
	Martin Tomasik	Vertical Scaling of a Huge but Sparse Data Set: Proprocessing Decisions, Modeling Variants, and the Challenge of Handling it All
	Martin J. Tomasik	Detecting structure in data from a large-scale computer-based educational assessment system
11h30–13h00	Auditorium 3	Oral presentations: Measurement and Assessment
	Jaime García-Fernández	Measuring the Dark Core of personality in Spanish speaking countries: Psychometric properties of the D-70 scale.
	Salvador Chacón-Moscoso	Enhancing the methodological quality of intervention programs: Validity evidence of the Methodological Quality Scale

	Álvaro Postigo	The Behavioral, Emotional, and Social Skills Inventory (BESSI): Adaptation and Validation of a Spanish Version
	Vesna Buško (Chair)	Modeling response options' position effects: Multi-group confirmatory factor analyses of the abstract reasoning test data
11h30–13h00	Auditorium 4	Oral presentations: Response Styles
	Melisa Muric	(DE)BIASING?: The effect of straight-lining controls on assessments of risk attitudes and behaviours
	Ömer Emre Can Alagöz	Do people employ different response styles in their response strategies? An investigation with a mixture IRTree approach
	M.Carmen Navarro-González	Scrutinizing response tendency to understand the cognitive processes: How can IRT help?
	Martijn Schoenmakers (Chair)	Extreme Responding under the IRTree and Multidimensional Nominal Response Models: Different Models, Different Outcomes
11h30–13h00	Lecture room 1.2	Oral presentations: Machine Learning
	Lubomír Štěpánek	Machine-learning prediction of test item difficulty using item text wordings: Comparison of algorithms' and domain experts' predictive performance
	Matteo Orsoni	Improving Questionnaire Efficiency: A Bayesian Networks, Jensen-Shannon, and Machine Learning Approach for Selecting Relevant Items and Assessing Symptomatology Risk.
	Diego Iglesias	Cross-validation methods for estimating the generalization error in psychological research
	Mirka Henninger (Chair)	Detecting and describing interindividual heterogeneity using interpretable machine learning
11h30–13h00	Lecture room 1.3	Oral presentations: Model Fit in Structural Equation Modeling (SEM)
	Keith Widaman	All Models Are Wrong, But …: Testing Severely Theoretical Conjectures Regarding Risk Using Constrained Regression and Structural Equation Models
	Eric Klopp	Some considerations about the model-size effect
	Graham Rifenbark	A Monte Carlo Examination of Two-Stage Approaches for Evaluating Structural Model Fit
	Jonathan Helm (Chair)	Tests of Model Fit for Structural Equation Models estimated from Finite Samples
13h00–14h00	Lunch break	
14h00–15h00	Poster session 1	
	1. Weiming Luh	Optimal Sample Size for the Variance Ratio: Considering Hypothesis Testing, Confidence Intervals, and Prediction Intervals
	2. Sergio Navas-león	Factor structure of the Multidimensional Body-Self Relations Questionnaire (MBSRQ) in a general Spanish sample: Concordance between four-factor and two-factor models.
	3. Ana Greco	Development and pre-test of the Juvenile Victimization Questionnaire (JVQ) self-report version for children between 8 and 12 years old.

4. F. Javier García-Castro	Violation of Sphericity and normality in repeated measures designs
5. F. Javier García-Castro	One-way ANOVA effect size estimators under non-normality
6. F. Javier García-Castro	Power of generalized linear mixed models for mixed designs with binary data: A simulation study
7. Ekaterina Svikhnushina	Development and psychometric validation of a model describing users' willingness to delegate to digital assistants
8. José Ángel Martínez-Huertas	Modeling personality language use through semantic vector subspaces
9. Nadira Dayo	Evaluating Technology Enhanced Learning by Using Single-Case Experimental Designs: A Systematic Review
10. Alice Bacherini	Development and validation of a measure of physicians' erroneous assumptions toward intellectual disability
11. Yi-Jhen Wu	Controlling the Carry-Over Effect across Different Scales in Moderation Analyses
12. José David Moreno	The Relationship between LIWC Linguistic Indicators and Personality: A Failed Cross-Validation Study
13. Miguel A. Sorrel	Identifying item misfit in cognitive diagnostic modeling with small sample sizes
14. Diego Fernández-Regueras	Comparing the Pace of Psychological Change in Videoconferencing (VCP) and Face-to-Face (F2F) Psychotherapy: A Longitudinal Multilevel Growth Curve Modelling Approach.
15. Diego Fernández-Regueras	Development and Reliability of an Observational Methodology Instrument for the Assessment of the Therapeutic Relationship.
16. Bárbara Rodríguez	Bullshit susceptibility scale: Development and evidence of validity in adult population
17. Giusy Danila Valenti	A Network Analysis Approach to Explore the Interrelationships Among Democratic Competences
18. Lukas A. Knitter	Development of a Revised Short Dark Triad Questionnaire Using Ant Colony Optimization Algorithms.
19. Elisabeth Desiana Mayasari	Utilizing the mind map technique to identify indicators of attitudes towards scientific research among teacher candidates
20. Diego F. Graña	Comparing Equally and Unequally Keyed Forced-Choice Questionnaires for Measuring Personality Traits
21. Martyna Jarota	Methodological preferences - systematic literature review
22. Martyna Jarota	Research project as a decision-making process - reflections on the research process in the light of decision theory
23. Geraldy Sepúlveda	Naive skepticism scale: development and evidence of validity
24. Alexandre Gellen-Kamel	ptchart : An R package for computing Precision Teaching measures and charts
25. Jone Aliri	Measuring Recovery in Spanish-Speaking Population with Severe Mental Disorders: Validation of the Maryland Assessment of Recovery Scale (MARS-12)
26. Laura Maldonado-Murciano	Validation of the Spanish version of the Game Transfer Phenomena Scale – Short Form: A preliminary study
27. Georgina Guilera	Development and content validation of the Facilitators and Obstacles of Recovery Scale (FOR-S)
28. Maite Barrios	Spanish adaptation of the Self-Identified Stage of Recovery: a preliminary study
29. Belén Carrascal-Caputto	A proposal for designing interview protocols to explore sensitive information: An application in making-decisions processes related to moral dilemmas.

	30. Miguel A. Sorrel	Exploring approaches for estimating parameters in cognitive diagnosis models with small sample sizes
15h00–15h30	State-of-the-art presentations	
	Auditorium 1	Rumen Manolov (Chair: Tom Loeys)
	Title	*Single-case experimental designs (and) data analysis: One size does not fit all*
	Auditorium 2	Rebecca Kuiper (Chair: Jan De Neve)
	Title	*Theory-based hypothesis evaluation using information criteria for one and multiple studies*
15h30–16h00	Coffee break	
16h00–17h30	Auditorium 1	Symposium
	Symposium title	*Regularization in Structural Equation Models (SEM)*
		Chair(s): Sara van Erp, David Goretzko, Erik-Jan van Kesteren, Philipp Sterner
	Erik-Jan van Kesteren	Tensorsem: An R Package for Structural Equation Modeling with Custom Penalties.
	David Goretzko	Regularized Exploratory Factor Analysis – A Solution for Rotational Indeterminacy and Spurious Factors?
	Sara van Erp	Bayesian regularized structural equation modeling (SEM): Current capabilities and constraints
	Philipp Sterner	Exploratory Factor Analysis Trees and Regularization - Evaluating and Interpreting Measurement Invariance Between Multiple Covariates
16h00–17h30	Auditorium 2	Symposium
	Symposium title	*Mixed-methods approaches to improve mental health research*
		Chair(s): Nekane Balluerka, Maria Dolores Hidalgo
	Maite Barrios	Exploring the equivalence of face-to-face and online data collection methods
	Inés Tomás	Managing careless responding to improve data quality in Health and Social Sciences: A comparison of strategies
	Keith Widaman	A Mixed Methods Approach to Understanding Spending in Delivery of Health Improvement Services in a Large Governmental Agency
	Georgina Guilera	Revitalizing mental health recovery: A mixed methods approach for definition, assessment, and intervention
16h00–17h30	Auditorium 3	Symposium
	Symposium title	*Innovations in continuous-time statistical models for longitudinal change*
		Chair(s): Eduardo Estrada
	José Ángel Martínez-Huertas	Mixed-effects models with crossed random effects for individuals and variables using discrete and continuous time metrics
	Pablo F. Cáncer	Ensembles of continuous-time SEM trees using structural change tests

	Nuria Real-Brioso	Recovering trajectories of bivariate dynamics in accelerated longitudinal designs from a continuous time approach
	Mar J.F. Ollero	Examination of the Damped Linear Oscillator model for the idiographic study of affect dynamics in clinical psychology
16h00–17h30	Auditorium 4	Oral presentations: Bayesian Analysis
	Irene Klugkist	Bayesian evidence synthesis for informative hypotheses: An aggregation tool for evidence from conceptual replications
	Christoph Koenig	A Similarity-Weighted Informative Prior Distribution for Bayesian Multiple Regression Models
	Jasper Bendler	Bayesian latent growth curve modeling with criminological panel data
	Herbert Hoijtink (Chair)	Bayesian Evaluation of N=1 Studies
16h00–17h30	Lecture room 1.2	Oral presentations: Missing Values
	Susana Sanz	Addressing missing values with a Substantive-Model-Compatible approach in crossed random-effects models
	Lihan Chen	Tackling challenges in data synthesis: missing data handling in latent variable models with continuous and categorical indicators.
	Hanne Oberman	Towards a standardized evaluation of imputation methodology: potential pitfalls in simulation studies and a proposed course of action
	Kai Jannik Nehler (Chair)	Performance of stacked multiple imputations in different model selection approaches for cross-sectional networks
16h00–17h30	Lecture room 1.3	Oral presentations: Causal Inference
	Marie Salditt	Parametric and nonparametric propensity score estimation in multilevel observational studies
	Felix J. Clouth	The Parametric g-Formula for Latent Markov Models
	Stephen G. West	The rocky road from a randomized experiment to causal inference:The effect of treating childhood anxiety on young adult substance use disorders.
	Fabian Münch (Chair)	Identifying Causal Effects for Key Parameters in Latent State-Trait Models
17h30–18h30	Panel discussion	
	Auditorium 2	Experiences working outside academia
	Speakers	Jeremy Miles, Erik Sengewald, Amelie Vrijdags, Maarten De Schryver, Jonas Tundo, Han Bossier (Chair: Steffi Pohl)

Wednesday July 12th

08h00	Registration	
08h30–10h00	Auditorium 1	Symposium
	Symposium title	*Integrating quantitative and qualitative evidence for developing and validating psychological assessments: Challenges and benefits of mixed methodology*
		Chair(s): Jose-Luis Padilla, Isabel Benítez
	Isabel Benítez	Developing a questionnaire for assessing “perfectionism” by a mixed-methods approach
	Jose-Luis Padilla	Examining how to integrate psychometrics with qualitative evidence from web probing and cognitive interviewing for survey questions and scale items
	Femke Truijens	Mixing methods for meaningful measurement in psychological research
	Melissa De Smet	What idiographic methods can learn from idiographic experiences: The value of mixed methodology for experience sampling studies
08h30–10h00	Auditorium 2	Symposium
	Symposium title	*Social Network Methodology*
		Chair(s): Marijtje van Duijn
	Marie Stadel	Capturing The Social Life of A Person By Integrating Experience Sampling Methodology And Personal Network Data
	Anna Langener	Predicting mood based on the social environment measured through social networks combined with experience sampling method and digital phenotyping
	Miranda Lubbers	The Network Scale-Up Method: Validity and reliability
	Marijtje van Duijn	Social network meta analysis
08h30–10h00	Auditorium 3	Oral presentations: Applications in HR and Personality
	Szymon Czarnik	Skill-dependent gender preferences in recruitment
	Leo Paas	Latent Class Markov Modelling for Studying Dynamic Organisational Configurations: Trajectories of New Venture Competitiveness
	Irene Gómez-Gómez	Do different versions of the same instrument capture the same? An illustration with the two, eight and nine items versions of the Patient Health Questionnaire for assessing major depression in Primary Health Care
	Jeremy Miles (Chair)	Ads Quality Experiments Using Human Evaluation at Google
08h30–10h00	Auditorium 4	Oral presentations: Latent Variable Models

	Zachary Roman	Bayesian auto-regressive dependence latent growth modeling; a novel framework depicted with covid-19 data.
	Manuel T. Rein	Factor Score Vector Autoregression: A Two-step Approach to Autoregressive Modeling with Latent Variables
	Elizabeth Valeriano-Lorenzo	Longitudinal Confirmatory Factor Analysis Model (LCFAM) Misspecification and its impact on the performance of fit indexes and on the Curve-of-Factor Model (CFM)
	Leonie V.D.E. Vogelsmeier (Chair)	New Perspectives on Latent Markov Factor Analysis: Embracing Measurement Model Dynamics in Intensive Longitudinal Data
08h30–10h00	Lecture room 1.2	Oral presentations: Intensive Longitudinal Data
	Jordan Revol	A new sample size planning approach for (V)AR(1) models: Predictive Accuracy Analysis
	Sigert Ariens	One does not simply correct for serial dependence
	Anja Ernst	Specifying models for between-individual differences in longitudinal data
	Janne Adolf (Chair)	Improved estimation of autoregressive models through contextual impulses and robust modeling
08h30–10h00	Lecture room 1.3	Oral presentations: Research Design and Qualitative Methodology
	Rocío Vizcaíno-Cuenca	Conceptualization of Myths about Cyber-Sexual Violence Against Women: A Thematic Analysis of Social Reactions to Reports on Twitter
	Belén Carrascal-Caputto	A methodological proposal to study moral decision-making when facing moral dilemmas in a comprehensive and systematic way.
	Regine Haardoerfer	Advancing research through a non-positivist quantitative methodology embedded in four levels of research context
	Hidde Leplaa (Chair)	A qualitative evaluation of an (quasi)-experiment: Studying the effects of empathy-inducing probes on distancing during Covid to derive methodological guidelines.
10h00–11h00	Vice-presidential Keynote Speaker	
	Auditorium 2	Mirjam Moerbeek (Chair: Axel Mayer)
	Title	*Sample size calculations*
11h00–11h30	Coffee break	
11h30–13h00	Auditorium 1	Symposium
	Symposium title	*Methodological Advances in Meta-analysis*
		Chair(s): Julio Sánchez-Meca, Juan Botella
	José Antonio López-López	Implementation of Location-Scale Models in Meta-Analysis: A Simulation Study
	Juan Botella	Reformulating the meta-analytical random effects model of the standardized mean difference as a mixture model

	Alejandro Veas	Meta-analysis of Structural Equation Modelling (MASEM): Principles and applications for improving reliability generalization processes in tests and scales
	Belén Fernández-Castilla	Network meta-analysis in Psychology and Educational Sciences: A systematic review of their quality and characteristics
11h30–13h00	Auditorium 2	Symposium
	Symposium title	*Using Structural Equation Models to Analyze Round-Robin Data from Social Networks*
		Chair(s): Terrence Jorgensen
	Terrence D. Jorgensen	Toward a general multivariate framework for social network data: An overview of estimation methods for structural social-relations models
	Aditi Manoj Bhangale	Comparing one- to two-stage maximum likelihood estimation for structural equation models of social network data
	Leila Van Imschoot	Introducing a more Flexible Social Relations Model for family data
	Lara Stas	How to analyze round-robin family data: the social relations model with roles
11h30–13h00	Auditorium 3	Oral presentations: Measurement
	Jan De Houwer	Measurement Question 1: What is it that you want to measure?
	Ana Hernandez-Dorado	SIREN: A Hybrid FA-CFA Procedure to Reduce Acquiescence to Insignificance
	M.Carmen Navarro-González	Uncovering latent classes to undertand DIF by LCA in 2018 PISA Students Questionnaire.
	Anna Brown (Chair)	Detecting and correcting faking in forced-choice personality assessments
11h30–13h00	Auditorium 4	Oral presentations: Structural Equation Modeling (SEM)
	Gengrui Zhang	A Two-Stage Path Analysis Approach to Model Interaction Effects for Congeneric Measures
	Martina Bader	Measuring and Comparing the Fitting Propensity of Factor Models
	Karl Schweizer	The effect of high subset homogeneity on structural investigations by confirmatory factor analysis
	Florian Schuberth (Chair)	A new approach for specifying composites in structural equation models: The Henseler– Ogasawara specification
11h30–13h00	Lecture room 1.2	Oral presentations: Item Response Theory (IRT) and DIF
	Serkan Arikan	Proposing an Item Discrimination Index for the Tests that Select Top Students
	Jesper Tijmstra	Using response times to study between-country comparability in large-scale educational assessment
	Maria Bolsinova	Generalizing beyond the test: Permutation-based profile analysis for explaining DIF using item features
	Paul De Boeck (Chair)	Pervasive Differential Item Functioning
11h30–13h00	Lecture room 1.3	Oral presentations: Statistics

	Szymon Czarnik	A new perspective on Cramer’s phi
	Jolynn Pek	The practice of power analysis and Its implications: A meta-science review
	Umberto Granziol	A user-friendly tool to code planned comparisons for statistical analyses.
	Florian Scharf (Chair)	The effects of multicollinearity when testing congruence hypotheses in response surface analysis
13h00–14h00	Lunch break	
14h00–15h00	Poster session 2	
	1. Alejandro Sandoval-Lentisco	An empirical assessment of preregistration practices and prevalence in psychology meta-analyses
	2. Caroline Keck	Properties of informative hypothesis tests and their integration into EffectLiteR
	3. Myriam Blanchin	Longitudinal measurement invariance assessment at the item level with Rasch family models: performances of the ROSALI algorithm for response shift detection
	4. Pablo Nájera	Cognitive diagnostic computerized adaptive testing (CD-CAT) for classroom-level assessments
	5. Miriam Marco	An aplication of Bayesian spatio-temporal regression modeling to suicide-related 112 calls in Spain
	6. María Rubio-Aparicio	Reproducibility of individual effect sizes in meta-analyses on the effectiveness of psychological interventions
	7. María Rubio-Aparicio	Reproducibility of meta-analytical results in psychological intervention meta-analyses
	8. Rafael Gil Ortega	Spanish Adaptation of the Personal Need for Structure Scale
	9. Elena Ortega-Campos	Application of Artificial Intelligence in the identification of Juvenile Justice Recidivism
	10. Jennifer Pérez-Sánchez	A Metasummary about Emotion Regulation and Cancer
	11. Jennifer Pérez-Sánchez	Difficulties in Emotion Regulation Scale: a Rasch Analysis
	12. Sara Garofalo	Unifying Evidence on Delay Discounting: Open Task, Analysis Tutorial, and Normative Data
	13. Sara Garofalo	Unravelling the influence of reward-associated cues on decision-making: a meta-analysis examining modulatory factors
	14. Rodrigo Schames Kreitchmann	Correcting response biases with pairwise ipsatization of graded responses
	15. Shiyao Wang	A genuine triadic measure for capturing stress transmission and synchronization in a family
	16. Karel Veldkamp	Deep learning based IRT with missing data
	17. Raúl Castañeda-Vozmediano	Hodos: Where are we going?
	18. Mariela Bustos-Ortega	Internal Structure of the Sexism Against Women Gamers Scale (SAWGS): Psychometric Properties and Measure Invariance across Spanish and English versions
	19. Ján Pavlech	Measurement invariance in factor analytic and item response theory framework
	20. Lara Vankelecom	Collecting more data than originally planned in group sequential designs

	21. Steven Wallaert	Early autism prediction in infants at elevated likelihood using machine learning
	22. Aurora Castellani	Ethical artificial intelligence: proposal of a research design for the telerehabilitation of neurodevelopmental disorders
	23. Milagrosa Sánchez-Martín	Development and validation of an instrument for assessing parental competencies in Spanish-speaking families
	24. Chiara Carlier	A comprehensive comparison of measures for assessing profile similarity at specific time points
	25. Lizbeth Burgos Ochoa	Causal inference in health disparities research and the ”No-Multiple-Versions-of-Treatment” assumption.
	26. Myriam Blanchin	HADS-Anxiety: Investigation of the scale longitudinal measurement invariance in melanoma and breast cancer patients
	27. Giusy Danila Valenti	Reinvestigating the Dimensionality of the Smartphone Addiction Scale-Short Version (SAS-SV): An Exploratory Structural Equation Modeling Approach
	28. Luis M. Lozano	A new dynamic procedure for estimating item discrimination
	29. Patricia Recio	Broader autism phenotype, parental sense of competence and stress in couples with autistic children: An actor–partner interdependence moderation model
	30. Victor Ciudad-Fernández	Psychometric properties of the State Self-Esteem Scale and its brief version scale in a Spanish sample
	31. Rocío Vizcaíno-Cuenca	Assessing Myths about Cyber-Sexual Violence: First phase in the development of the AMCYS Scale
	32. Celia Serrano-Montilla	Development and Collection of Prior Validity Evidence for an Assessment Instrument of Police Attitudes toward Intervention in Intimate Partner Violence against Women: Mixed Method Approach
	33. Isabel Benítez	A protocol for assessing tests, scales, and questionnaires (PETEYC)
15h00–15h30	State-of-the-art presentations	
	Auditorium 1	Rhian Daniel (Chair: Beatrijs Moerkerke)
	Title	*Regression models in Causal inference*
	Auditorium 2	Kim De Roover (Chair: Jan De Neve)
	Title	*Finding clusterwise measurement invariance with mixture multigroup factor analysis*
15h30–16h00	Coffee break	
16h00–17h30	Auditorium 1	Symposium
	Symposium title	*Programs evaluation: Methodological quality and effect size estimation*
		Chair(s): Salvador Chacón-Moscoso, Susana Sanduvete-Chaves
	José Mena-Raposo	Methodological Quality Scale: Convergent – discriminant validity evidence
	Daniel López-Arenas	Methodological Quality Scale for studies based on Observational Methodology (MQSOM)
	José A. Lozano-Lozano	Work climate scale in emergency departments: A measurement invariance study

	Susana Sanduvete-Chaves	Effectiveness of psychological interventions to decrease cognitive fusion in patients with chronic pain: a systematic review and meta-analysis
16h00–17h30	Auditorium 2	Symposium
	Symposium title	*Interdisciplinary research methodology - moving forwards*
		Chair(s): Hilde Tobi
	Farina Buenning	Applied phenomenological analysis according to Giorgi. An interdisciplinary analysis of the distance caregiving triad's demands on two levels within the study 'ROAD – CaRegiving frOm A Distance'
	Hilde Tobi	The validity of concept mapping in interdisciplinary research
	Leen Sterckx	Inclusive methodologies: interdisciplinary challenges and actionable methods to improve inclusive research
	Suzanne Roggeveen	Complex research designs: methodological and ethical considerations in interdisciplinary, mixed methods research
16h00–17h30	Auditorium 3	Symposium
	Symposium title	*New developments in modeling response times in psychological assessments*
		Chair(s): Augustin Mutak, Sören Much
	Rudolf Debelak	Deep Learning Approaches for Factor Analysis of Responses and Response Times
	Tobias Deribo	Looking into Time-on-Task: A Hierarchical Model with Multiple Time Components Applied to Eye-Movement Data
	Augustin Mutak	Modeling omissions in tests as dependent on previous test behavior
	Sören Much	A ballistic accumulator model to account for examinee's persistence and partial knowledge guessing
16h00–17h30	Auditorium 4	Oral presentations: Bifactor and MTMM models
	Christine DiStefano	How Do We Know that a Bifactor Model is Optimal? An Example of Model Validation Using the BESS TRS-P Norm Dataset
	Christian Bloszies	On the Performance of Different Regularization Methods in Bifactor-(S-1) Models with Explanatory Variables—Caveats, Recommendations, and Future Directions
	Denis Federiakin	Analysis of Assessment Dimensionality Using Multitrait-Multimethod Models in Rater Assessments
	Hudson Golino (Chair)	The Generalized Total Entropy Fit Index for Bifactor Structures with correlated general factors
16h00–17h30	Lecture room 1.2	Oral presentations: Scale Development and Validation
	Milagrosa Sánchez-Martín	Exploring the validity evidence of a comprehensive assessment of first-year university students.
	Marcin Kocór	Methods of Measuring the Skills Mismatch in the Human Capital Study
	Juan Carlos Oliver-Rodríguez (Chair)	Sensitivity to Punishment and Reward as Dispositional Traits in Face Perception: A Multilevel Analysis

16h00–17h30	Lecture room 1.3	Oral presentations: Measurement Invariance
	Alisa Remizova	Explaining why individual religiosity measurement is noninvariant across countries with multilevel structural equation modelling
	Hongwei Zhao	MixML-SEM: A parsimonious approach for finding clusters of groups with equivalent structural relations in presence of measurement non-invariance
	Emma Somer	Estimating structural paths in a multigroup Actor-Partner Interdependence Model (APIM) with small samples
	Eric Klopp (Chair)	Scaling Metric Measurement Invariance Models
17h30–18h30	Auditorium 2	General Assembly EAM
20h00–22h00	Conference dinner	
	Kouter 29	Handelsbeurs

Thursday July 13th

08h00	Registration	
08h30–10h00	Auditorium 1	Symposium
	Symposium title	*Structural Equation Models with Machine Learning and Data Mining: Some Recent Developments and Software Packages*
		Chair(s): Christoph Kiefer, Manuel Arnold
	Axel Mayer	Subgroup Discovery in Structural Equation Models
	Benedikt Langenberg	Using SubgroupSEM for Finding Subgroups with Unique Treatment Effects in Non-Randomized Experiments
	Maximilian S. Ernst	Regularized Structural Equation Modeling with StructuralEquationModels.jl
08h30–10h00	Auditorium 2	Symposium
	Symposium title	*New frontiers in neuropsychological assessment*
		Chair(s): Pasquale Anselmi, Debora de Chiusole
	Pasquale Anselmi	Usefulness of item response theory in the choice and development of neuropsychological tests
	Andrea Brancaccio	Deconstructing the Tower of London: A Systematic Analysis of the Tower of London problem space
	Irene Pierluigi	Convergent and divergent validity of the new web measure of executive functions AdapTol
	Matilde Spinoso	Psychometric properties of the Italian adaptation of the System Usability and Acceptance Model scale for children as users of AdapTol
08h30–10h00	Auditorium 3	Oral presentations: Psychometrics
	Salome Li Keintzel	Exploring Different Mixed-Effects Models for Approximating Time-Varying Experimental Effects
	Georges Van Landeghem	A first measurement of between-school pupil mobility in the Flemish primary education market: methodological issues
	Andries van der Ark (Chair)	A new perspective on test norming
08h30–10h00	Auditorium 4	Oral presentations: Exploratory Factor Analysis
	Marcos Jiménez	New analytic rotations for bifactor modeling and metric invariance in Exploratory Factor Analysis
	Kim-Laura Speck	Modeling latency differences in Exploratory Factor Analyses for ERP data
	Pier-Olivier Caron	An evaluation of the Nest Eigenvalue Sufficiency Test (NEST)
	Katrijn Van Deun (Chair)	Exploring the measurement model in (high-dimensional) multigroup data: Regularized joint latent variable analysis

08h30–10h00	Lecture room 1.2	Oral presentations: Item Response Theory (IRT)
	Gabriel Wallin	Local Equating of Test Scores using Propensity Scores: A New Method for Non-Equivalent Test Groups Without Anchor Items
	Ivailo Partchev	How to do computer simulations that scientific journals will (probably) not like
	Patrícia Martinková	Modeling item responses under different frameworks
	Andreas Frey (Chair)	A Highly Adaptive Testing Design for PISA
08h30–10h00	Lecture room 1.3	Oral presentations: Meta-Analysis
	Zeynep Bilici	Evaluating robust variance estimation in MASEM
	Hannelies de Jonge	Can we Include Dichotomous Predictor Variables in Meta-Analytic Structural Equation Modeling?
	Katrin Jansen	Nonparametric estimation of heterogeneity in rare events meta-analysis using arm-based and contrast-based approaches
	Wolfgang Viechtbauer (Chair)	Confidence Intervals for the Amount of Heterogeneity Accounted for in Meta-Regression Models
10h00–11h00	Keynote Speaker	
	Auditorium 2	Marco Perugini (Chair: Jan De Houwer)
	Title	*Latent constructs and network models in personality: implications for theory and research*
11h00–11h30	Coffee break	
11h30–13h00	Auditorium 1	Symposium
	Symposium title	*Measuring changing abilities: Psychometrics for adaptive learning*
		Chair(s): Maria Bolsinova
	Bence Gergely	Methods to alleviate the cold-start problem of adaptive learning systems using Urnings algorithm.
	Hanke Vermeiren	Introduction to computerized adaptive practice: Measurement challenges and solutions
	Dries Debeer	Modeling learning efficiency in adaptive learning environments with longitudinal IRT
	Abe Hofman	Curious interactions between learners and Elo rating systems
11h30–13h00	Auditorium 2	Symposium
	Symposium title	*Modeling test-taking behavior: Moving from pure nuisance to relevant substantive phenomena*
		Chair(s): Nico Remmert, Steffi Pohl
	Susana Sanz	Predictive validity of missing values for later educational outcomes
	Nico Remmert	A void as a reflection of avoidance: Using missing responses and response times to assess avoidance behavior

	Ulf Kroehne	On the Structure of Disengagement in Questionnaires and Cognitive Tests with an Example from PISA
11h30–13h00	Auditorium 3	Oral presentations: Multilevel Analysis
	Daniel Gotthardt	Thinking beyond the mean - how to escape a paradigm of averages
	Carmen Köhler	How Should Pretest Measures be Included in Multilevel Models When Examining the Effects of Teacher- or School Variables on Learning?
	Eva Zink	Consequences of Hierarchical Data Structures for the Estimation of Plausible Values: An Application of Multilevel Modeling in Educational Large-Scale Assessments
	Jonas Lang (Chair)	Removing common-source variance from aggregated multilevel data: Possible and worth the hassle?
11h30–13h00	Auditorium 4	Oral presentations: Intensive Longitudinal Data 2
	Marieke Schreuder	Prospectively monitoring the intensity and variability of emotions using statistical process control
	Emmeke Aarts	Extracting personalized latent dynamics over time using the multilevel hidden Markov model in social and behavioral processes: the R CRAN package mHMMbayes and empirically based guidelines on sample size requirements
	Ginette Lafit	Enabling analytical power calculations for multilevel models with autocorrelated errors through deriving and approximating the information matrix
	Joran Jongerling (Chair)	Intensive Longitudinal Measurement: How precise can we be and when?
11h30–13h00	Lecture room 1.2	Oral presentations: Multigroup and Meta-Analytic SEM
	Jonathan Helm	Using Multiple Group SEM in place of Mediation Models for Experimental Research
	Andres Felipe Perez Alonso	Mixture multigroup SEM for comparing structural relations among many groups
	Benedikt Lugauer	The Impact of Non-Normality on Causal Effects in Path and Multigroup Structural Equation Models with Ordered Categorical Variables
	Lennert Groot (Chair)	In Between Methods: Evaluating Approaches for Individual Participant Data Meta-Analytical Structural Equation Modeling
11h30–13h00	Lecture room 1.3	Oral presentations: Rater Agreement and Reliability
	Sophie Vanbelle	Statistical inference for agreement between multiple observers on a binary scale
	Dipro Mondal	How to determine sample size for the Intraclass Correlation Coefficient in the one-way ANOVA model
	Tzu-Yao Lin	Reliability for multilevel data: A correlation approach
	Debby ten Hove (Chair)	Comparing Interrater Reliability Estimates across Estimators and Different Incomplete Observational Designs
13h00–14h00	Lunch break	
14h00–15h00	Poster session 3	

1. Covadonga González-Nuevo	Measurement Invariance of the Problematic Use of Social Networks Questionnaire between different User Profiles
2. Dora Leander Tinhof	Psychometric evaluation of the German Big Five Inventory-2 using a multi-method, multi-context approach
3. Roberto Faleh	Bayesian Generalized Method of Moments approach for estimating Rank Preserving Models: A flexible approach for causal mediation analysis.
4. Tuo Liu	Enhancing Predictive Cut Scores in Higher Education Enrollment with Explainable Machine Learning Algorithms
5. Anahí Gutkin	Benefits of multinomial processing tree models with discrete and continuous variables.
6. Berre Deltomme	Measuring Pro-Environmental Behaviour: convergent validity, internal consistency, and respondent experience of existing instruments
7. Michaela Vařejková	A simulation study of repeated covariate equating
8. Laura Maldonado-Murciano	The mediating effects of gambling motives between depression, anxiety, and financial self-efficacy in problematic gambling.
9. Alejandro Veas	Psychometric analysis of the University Entrance Examinations in Spain
10. Erik Sengewald	A Causal View on Bias in Missing Data Imputation: The Impact of Problematic Auxiliary Variables on the Norming of Test Scores
11. Philine Drake	The Diagnostic Potential of Process Data from a Computer-Based Simulated Supermarket
12. Marcos Jiménez	`Bifactor`, a flexible and fast R package for exploratory structural equation modeling of hierarchical structures
13. Patrícia Martinková	Enhancing Psychometrics with Interactive ShinyItemAnalysis Modules
14. Desirée Blázquez-Rincón	Additional Results on the Performance of Location-Scale Models in Meta-Analysis: A Simulation Study
15. Julio Sánchez-Meca	Reproducibility and Data Sharing in Meta-analyses on the Effectiveness of Psychological Interventions
16. Desirée Blázquez-Rincón	A Reliability Generalization Meta-analysis of the Fear of COVID-19 Scale (FCV-19S)
17. Desirée Blázquez-Rincón	A Reliability Generalization Meta-analysis of the Spanish Burnout Inventory (SBI)
18. Francisco J. Abad	Dimensionality assessment with categorical variables: an approach based on bootstrap
19. Martyna Jarota	The Model of Individual Methodological Orientations: Operationalization in the Linguistic Measurement System.
20. María Paula Fernández	To Caesar what is Caesar's? The responsibility of the experimenter in the first place!
21. María Paula Fernández	Shhhhhhhh, be careful,..., there it is possible to lose data!!!
22. María Paula Fernández	Loss of data, heterogeneity, variables that need to be controlled for, and various correlated dependent variables. A solution through multiple Imputation.
23. Daiva Bubeliene	Educational assessment as classification: cluster analytical procedures in large scale studies
24. Ulrich Lösener	Bayesian Sample Size Determination for Multilevel Models with Longitudinal Data
25. Camila Natalia Barragan Ibañez	Sample Size Determination for Cluster Randomized Trials Using Bayes Factor

	26. Denny Kerkhoff	Evaluating Estimation Quality in Multilevel Random Effects Models
	27. Maria Mercedes Henriquez-de-Urdaneta	Challenges to designing degree research projects in the Peruvian context, recovering methodological foundations.
	28. Rene Gempp	Conditional Standard Errors of Measurement for personality tests in personnel selection: An empirical comparison of IRT and Generalizability Theory approaches
	29. Leonardo Mose	Measuring and controlling prestige in vocational interests through a technique adapted from Peabody's quadruples
	30. Leonardo Mose	Does acquiescence also impact the factor structure of vocational interest inventories?
	31. Jinghui Liang	Time-varying effects in psychometric survey data
15h00–15h30	State-of-the-art presentations	
	Auditorium 1	Felix Schönbrodt (Chair: Tom Loeys)
	Title	*Reproducibility in methodological research: Modelling and improving epistemic uncertainty*
	Auditorium 2	Laura Bringmann (Chair: Beatrijs Moerkerke)
	Title	*The necessity of context in modeling complex emotion dynamics*
15h30–16h00	Coffee break	
16h00–16h30	Auditorium 2	Best Poster Awards
		EAM Life-Time Awards 2023 ceremony (Recipients: Prof. Dr. Peter Schmidt and Prof. Dr. Juana Gómez-Benito)
		Closing