FULL CONFERENCE ACADEMIC SCHEDULE

Morning workshops (2 in parallel)	09:00 to 13:00	Instructors
1. Intensive Longitudinal Data (ONLINE)		N. Schuurman & O. Ryan
2. Big data for beginners (ONLINE)		M. Hidalgo & I. Pérez

Afternoon workshop	14:30 to 18:30	
Meta-analysis with R (ONLINE)		W. Viechtbauer

Tuesday, July 20

Morning workshops (2 in parallel)	09:00 to 13:00	
1. Conditional/average causal effects (ONLINE)		R. Steyer
2. Multilevel analysis (ONLINE)		M. Moerbeek

Afternoon workshops (2 in parallel)	14:30 to 18:30	
1. Data wrangling with Tidyverse (LIP 2)		P. Gómez & A. Baciero
2. Machine learning (ONLINE)		R. Paredes

FULL CONFERENCE ACADEMIC SCHEDULE

Wednesday, July 21

			Presenters/Symposium Chairs
9:00 to 10:00 **Opening Ceremony**		**Faculty of Philosophy (Aula Magna)**	

10:00 to 11:00 **Vice-presidential Keynote**		**Faculty of Philosophy (Aula Magna)**	
	On-site	Revisiting psychometrics in the twenty-first century: Improving psychological science and its implementation **CHAIR**: Ana Hernández	Albert Sesé

11:00 to 12:00 **Poster Session**		**Faculty of Psychology (Sala Cristal)**	
1A-P.	ID number	DEVELOPMENT AND VALIDATION OF QUESTIONNAIRES	
	51764	External validity of the VIA in caregivers	F. Javier García-Castro
	52349	Confirmatory factor analysis of the Spanish adaptation of the Self- and –Other Interest Inventory	Raimundo Aguayo
	52403	Questionnaire to Analyse COVID-19's Impact on Physical Education in Catalonia	Xavier Iglesias
	47024	Assessing organizational climate: Psychometric properties of the ECALS Scale	Javier Barría
	52435	Preliminary psychometric analysis of a scale based on the Theory of Planned Behavior to predict Protective Behavioral Strategies use in young adults who use alcohol	Bella María González Ponce
1D-P.	ID number	RESEARCH DESIGN: APPLICATIONS	
	46859	Neglect of publication and reporting biases in meta-analyses of psychological research	Paula García-Royo
	52400	Guidelines on the choice of a baseline in psychology experiments: The case of masked priming	María Fernández-López
	52428	A tactile-similarity matrix for braille letters	Ana Baciero
1M-P.	ID number	RESPONSE FORMAT/STYLE AND DIMENSIONALITY	
	47739	Method effects of the Rational Experiential Inventory in Spanish university students: Competitive Confirmatory Factor Analyses	Laura Galiana Llinares
	52440	Cross-loadings in Bifactor models: A simulation study examining the consequences of a mismatch between measurement design and estimated model	Raúl Castañeda
	52481	Analysis of feature selection techniques applied to teaching evaluation questionnaires	Alicia Risso
1SA-P.	ID number	STATISTICAL ANALYSIS	
	51825	The meta-analytic estimate of the effect size is little affected by p-hacking the marginally significant results	Juan Botella

		51982	Generalized linear mixed models and binomial data: Type I error rates with small samples	María J. Blanca
		52267	Are neural networks a solution to tackle publication bias in meta-analytic estimation?	Paula García-Royo
		52350	A comparison of statistical procedures for moderator analysis in reliability generalization studies	Raimundo Aguayo
		46883	Precision, accuracy, and bias of kurtosis and skewness estimators for Gamma distributions	Roser Bono
		47715	A Bayesian beta factor model for proportion data	Beatriz Hidalgo
		47773	A comparison of exploratory and regularised structural equation models	Jana Pförtner
		47809	LMM vs. MPM in repeated measurement designs. Robustness under monotonous and random MNAR data loss conditions.	María Paula Fernández
	2M-P.	ID number	REVIEW/META-ANALYSIS INSTRUMENTS	
		52126	A reliability generalization Meta-Analysis of the Self-reported Prosocial Behavior Scale for Children and Adolescents	M. del Carmen Duro Garcia
		51926	How is emotion regulation assessed? Review of available standardized instruments	Jennifer Pérez Sánchez
		52009	The Adults' Prosocialness Behavior Scale (PBS-A): A Reliability Generalization Meta-Analysis	M. del Carmen Duro Garcia
		52011	Reliability Generalization Meta-analysis: A comparative study of univariate versus multivariate Meta-analytic Structural Equation Modeling (MASEM)	Julio Sánchez-Meca

12:00 to 13:30

Parallel Sessions / Symposia

Faculty of Psychology (A4 / A5 / A6 / A7 / A8)

Room

A7	1D-OP.	ID number	**ORAL PRESENTATIONS: RESEARCH DESIGN: APPLICATIONS**	
		47803	Research designs in parenting science from a two-dimensional framework. Are only the calculations of power and effect size statistics enough for conceptual replicability considerations?	Oscar F. García
		45683	Optimal design of multi-period cluster crossover trials for treatments offered in groups	Mirjam Moerbeek
		45684	Group Sequential Designs applied to psychological research: The Alpha-Spending Function approach	Klemens Weigl
		46969	On the use of historical data in the design of experiments	Tamas Rudas
		47457	The causal oracle: Forecasting effects of interventions versus predicting future outcomes	Christian Gische
A8	1SA-OP.	ID number	**ORAL PRESENTATIONS: MISCELANEOUS STATISTICAL ANALYSES**	
		51274	Accuracy study of Logistic Regression, SVM, and Neural Networks to predict diagnostic uncertainty fatigue of COVID-19 in an Iranian student sample	Hojjatollah Farahani
		51849	Improving meta-analytic estimation from p-values through p-uniform and Fisher's statistic in presence of publication bias	Juan I. Durán
		51941	Latent state-trait models for experience sampling data: Introducing the R package lsttheory	Julia Norget
		47772	How to and how not to impute incomplete count data	Kristian Kleinke
		ID number		
A4	1D-SY.	52452	**SYMPOSIUM: ADVANCES IN OBSERVATIONAL METHODOLOGY (I)**	Gudberg K. Jonsson & M. Teresa Anguera

			1. SsObserWork intervention: methodological complementarity to assess manual material handling training in the work context	Anna M. Señé-Mir
			2. Interference control in autism: educational assessment	Marian Acero-Ferrero
			3. Technical analysis of high-performance women's soccer goals. An observational study	José Luís Losada
			4. Observation system of an intervention proposal for the development of computational thinking in Early Childhood Education by means of a ground robot with programmed directionality controls	Daniel Lapresa
			5. Application of Mixed Methods in Basketball: Behaviour and analysis of pick and roll in a Spanish ACB League team	Hermilo Nunes
A5	1SA-SY.	**ID number** 51994	**SYMPOSIUM: STATISTICAL ADVANCES IN META-ANALYSIS**	Julio Sánchez-Meca & José Antonio López López
			1. Median-unbiased estimators for the amount of heterogeneity in meta-analysis	Wolfgang Viechtbauer
			2. Comparative performance of between-study variance estimators in random effects meta-analysis when parametric distribution departs from normal: A Monte Carlo simulation	Desirée Blázquez-Rincón
			3. The location-scale model: an extension to meta-analysis	José Antonio López-López
			4. The use of Mixture Random-Effect Modeling in Meta-Analysis: A SEM-approach to address population heterogeneity among studies	Belén Fernández-Castilla
			5. Evaluation of five estimators of the sampling variance of the standardized mean difference	Juan Botella
A6	1A-SY.	**ID number** 51950	**SYMPOSIUM: METHODOLOGICAL QUALITY AND EFFECT SIZE IN INTERVENTION PROGRAMS (II)**	Susana Sanduvete-Chaves & José A. Lozano-Lozano
			1. Design by intent to treat in fruit-vegetable recommendations: impact on meta-analysis of clinical trials	José A. Lozano-Lozano
			2. Physiological and arousal activation in attention deficit hyperactivity disorder (ADHD): a systematic review	José A. Lozano-Lozano
			3. Efficacy of contextual interventions in cancer patients: a systematic review	Susana Sanduvete-Chaves
			4. Adaptation, validation, and design of an instrument to measure circadian typology in Chilean university students	José A. Lozano-Lozano
			5. Effectiveness of first- and second line CDK inhibitors in breast cancer: a meta-analysis	Salvador Chacón Moscoso

15:00 to 15:30 State of the Art (2 in parallel)		**Faculty of Psychology (Salón de Grados / Salón de Actos)**	
Room			
Salón de Grados	On-line	Faking behaviour in high-stakes assessments: Can it be modelled, can it be prevented?	Anna Brown
		CHAIR: Albert Maydeu	
Salón de Actos	On-line	Small sample solutions for SEM	Yves Rosseel
		CHAIR: José M. Tomás	

15:30 to 17:00   Faculty of Psychology (A4 / A5 / A6 / A7 / A8)

Parallel Sessions / Symposia

Room

A7	2SA-OP.	ID number	**ORAL PRESENTATIONS: LONGITUDINAL DATA**	
		44908	Recurrence-based analyses: A brief introduction to the new 'crqa' package for R	Wallot Sebastian
		51947	Implementing Sphericity in Latent Variable Models	Benedikt Langenberg
		52390	Long run trend in nonlinear latent growth curves	Jesús F. Rosel
		45520	A unified structural equation model perspective on the analysis of event-related potential data	Florian Scharf
		46541	A computationally more efficient Bayesian approach for estimating continuous-time models	Martin Hecht

A8	3SA-OP.	ID number	**ORAL PRESENTATIONS: STATISTICAL MODELING**	
		51963	Mixed-effects models with crossed random effects: Comparing SE bias of fixed effects in model selection and model averaging	José Ángel Martínez-Huertas
		52395	Treatment Effects on Count Outcomes With Latent Covariates	Christoph Kiefer
		52467	Unknown Trajectory Classification: from cluster analysis to mixture models	Mauricio Garnier-Villarreal
		52468	Unique Variable Analysis: A novel approach for detecting redundant variables in multivariate data	Luis Eduardo Garrido
		47750	Using information criteria to determine the number of factors in maximum-likelihood exploratory factor analysis	Eric Klopp

		ID number		
A4	2A-SY.	47743	**SYMPOSIUM: GENDER ISSUES IN METHODOLOGY: A DISCUSSION ON ITS EFFECTS ON RESEARCH AND TEACHING**	Amparo Oliver & Inés Tomás
			1. The inclusion of gender diversity in psychological research	Alicia Tamarit
			2. Measurement invariance by sex in sensitive constructs: first evidence for Ambivalent Sexism Inventory	Irene Fernández
			3. Do gender role stereotypes still prevail? Measurement invariance of work centrality and job meaningfulness over gender	Marija Davcheva
			4. A pilot study on paper-based visual analogue scale items – Focus on gender	Klemens Weigl
			5. Statistics anxiety and gender: A systematic literature review and research agenda	Sara Martínez-Gregorio

		ID number		
A5	2SA-SY.	47214	**SYMPOSIUM: QUANTITATIVE DATA ANALYSIS FOR QUALITATIVE DATA: ALCESTE AS A METHOD OF TEXT ANALYSIS**	Emilio Verche & Margarita Gómez Márquez
			1. The use of a qualitative method of data collection for the development of a new scale to explore misconceptions about high abilities	Leire Aperribai
			2. Expanding the perception of empathy: a qualitative study of future odontologist in simulated learning environments	Emilio Verche & Margarita
			3. Mentoring program for high ability students, COMPARTE-ULL 3RD edition experience of new mentors	África Borges del Rosal
			4. Mentoring program for high ability students, COMPARTE-ULL participants contribution	José Miguel Pérez Álvarez

			5. Preliminary textual analysis of the approach process developed to obtain family consent in the procedure of intensive care to facilitate organ donation (ICOD)	Rubén García-Sánchez

		ID number		
A6	**3A-SY.**	**47796**	**SYMPOSIUM: CURRENT METHODOLOGICAL TRENDS IN THE ANALYSIS, ASSESSMENT, AND EVALUATION OF INTIMATE PARTNER VIOLENCE AGAINST WOMEN**	Celia Serrano-Montilla & Manuel Martín-Fernández
			1. Improving definition of police attitudes toward intervention in intimate partner violence against women in the Spanish context: A qualitative approach	Celia Serrano-Montilla
			2. Social desirability in psychological aggression against a partner studies: A scoping review	M. Carmen Navarro
			3. A methodological framework for assessing neighborhood effects on small-area variations in intimate partner violence risk: The Bayesian spatio-temporal modeling approach	Miriam Marco
			4. Advances in the effectiveness of intervention programs for intimate partner violence offenders: A systematic review and meta-analysis of RCTs	Faraj A. Santirso
			5. Predicting the willingness to intervene in cases of intimate partner violence: A mediation analysis	Manuel Martín-Fernández

17:30 to 18:30
Parallel Sessions / Symposia
Room

Faculty of Psychology (A4 / A5 / A6 / A7 / A8 / A9)

A8	**2D-OP.**	ID number	**ORAL PRESENTATIONS: RESEARCH DESIGN AND DATA RECOLLECTION METHODS**	
		52470	The link between Google Search Trends and suicide numbers in Croatia: a mixed methods investigation	Lana Bojanic
		46649	The effects of sampling frequency and questionnaire length on perceived burden, compliance, and careless responding in experience sampling data in a student population	Gudrun Eisele
		51367	Methodological challenges of interviewing older persons living in extreme poverty	Owasim Akram
		52469	Long-term Longitudinal data collection and analysis in highly dynamic systems using mobile Crowd Sensing and mobile Agents: Challenges and Issues	Stefan Bosse
A9	**2M-OP.**	ID number	**ORAL PRESENTATIONS: FACTOR ANALYSIS (I)**	
		47799	Bi-factor ESEM done right! The SLiDapp	Eduardo García-Garzón
		52012	Exploratory two-tier modeling	Marcos Jiménez-Henríquez
		52473	On the nature of group factors in bifactor structures	Alicia Franco-Martínez
		51972	Loading recovery and reliability in test-data under range restriction.	Alicia Franco-Martínez
		ID number		
A4	**3SA-SY.**	**46717**	**SYMPOSIUM: ADVANCED TOPICS IN MEDIATION ANALYSIS**	Judith J. M. Rijnhart & Stephen G. West
			1. Correspondence between causal and traditional mediation analysis for models with binary mediator and outcome variables	Judith J.M. Rijnhart
			2. Measurement Invariance in Mediation	Yasemin Kisbu-Sakarya

			3. Bayesian Mediation Analysis with Latent Variables	Milica Miočević
			4. Conceptualizing indirect effects for mediation with latent change scores	Holly P. O'Rourke
			DISCUSSANT: Axel Mayer	
A5	2D-SY.	ID number 47798	**SYMPOSIUM: METHODOLOGICAL QUALITY AND EFFECT SIZE IN INTERVENTION PROGRAMS (I)**	Salvador Chacón-Moscoso & Susana Sanduvete-Chaves
			1. A practical methodological quality complementarity view in program evaluation designs. A mixed method perspective in program implementation evaluation	Salvador Chacón-Moscoso
			2. Interpreting the effect magnitude of interventions in clinical psychology: A systematic review of meta-analyses	María Rubio-Aparicio
			3. Measurement invariance of the Work Climate Scale in Emergency Health Services (WCSEHS)	José A. Lozano-Lozano
			4. Validation of the Extrinsic Emotional Regulation Scale for Couples (EERSC)	Ana Kinkead
			5. Profile of mood states factor structure falls short in chronic pain patients	Susana Sanduvete-Chaves
A6	4SA-SY.	ID number 47783	**SYMPOSIUM: ADVANCES ON THE FRONTLINE OF NETWORK PSYCHOMETRICS**	Mihai A. Constantin, Hudson Golino, Gabriela Lunansky & Oisín Ryan
			1. Dynamic exploratory graph analysis: estimating latent dimensions in longitudinal data using network psychometrics and	Hudson Golino
			2. Intervening on psychopathology networks: Identifying the most efficient target through simulations	Gabriela Lunansky
			3. A general method for a priori sample size analysis in the context of network models	Mihai A. Constantin
			4. Modeling psychopathology: from data models to formal theories	Oisín Ryan

				Presenters/Symposium Chairs
9:00 to 10:30 **Parallel Sessions / Symposia Room**			**Faculty of Psychology (A4 / A5 / A6 / A7 / A8 / A9)**	
A7	3M-OP.	ID number	**ORAL PRESENTATIONS: COGNITIVE/EDUCATIONAL ASSESSMENT**	
		51903	Effectiveness of automatic scoring algorithms, according to the cognitive process assessed and the difficulty parameter, in open-ended short-answer questions	Alexis Carrillo Ramirez
		51930	Multilevel linear models in non-nested models for educational assessment	Susana Sanz
		52495	A model of competencies related to academic performance: a mixed-methods study based on the integration of students responses and experts judgments	Juan F. Luesia
		52004	The general discrimination index adjusted by item complexity	Miguel Sorrel
A8	4SA-OP.	ID number	**ORAL PRESENTATIONS: STRUCTURAL EQUATION MODELING (SEM)**	
		46764	Estimating structural equation models using James-Stein type shrinkage estimators	Elissa Burghgraeve
		46910	Estimation of controlled direct effects in longitudinal mediation analyses with latent variables in randomized studies	Wen Wei Loh
		46871	A Wilcoxon-Mann-Whitney test for latent variables	Heidelinde Dehaene
		47632	Performance of bi-factor indices in non-optimal conditions: A Monte Carlo simulation	Piotr Koc
		52026	Pairwise maximum likelihood for multilevel SEM with discrete data	Mariska Barendse
		ID number		
A9	1M-SY.	47775	**SYMPOSIUM: IMPROVING TESTS AND TESTING PRACTICES: INTERNATIONAL AND MULTI-STAKEHOLDER PERSPECTIVES**	Ana Hernández & José Muñiz
			1. Eighth edition of the Spanish evaluation of test quality: A service-learning experience	Carme Viladrich
			2. Test use in Latin America countries	Paula Elosua
			3. The psychologists' viewpoint on test use in Spain: The role of age, gender and work sector	Ana Hernández
			4. University lecturers who are responsible for training future test users in Spain: What do they think about tests and testing practices?	María Dolores Hidalgo
			5. Psychometricians around the world: Hiring	José Muñiz
		ID number		
A4	3D-SY.	47800	**SYMPOSIUM: FROM TASKS AND ITEMS TO LEARNING AND PERFORMANCE: TASK ENGAGEMENT AND PROCESS DATA TYPES AND ANALYSIS STRATEGIES**	Johannes Naumann
			1. Extended competence modelling with Process and Product Data: Analysis of log data from a computer-based simulated supermarket using the finite state Machine Approach	Philine Drake

			2. Modeling the exploration space of individuals solving technical problems	Carolin Hahnel
			3. Examining differences in readers' eye-movements, metacognitive monitoring and comprehension outcomes between reading in print and reading on a tablet	Pablo Delgado
			4. Assessing learning with Response Time Models	Rainer Alexandrowicz
			5. The meaning is in the interaction: A conceptual framework to relate persons, tasks, processes, and outcomes in educational assessment	Johannes Naumann

		ID number		
A5	5SA-SY.	51995	**SYMPOSIUM: METHODOLOGICAL ADVANCES IN META-ANALYSIS**	José Antonio López-López & Julio Sánchez-Meca
			1. Using Network Meta-analysis to synthesize single-case experimental data: Comparing early interventions for autism spectrum disorder	Belén Fernández-Castilla
			2. Meta-analysis with non-normally distributed and dependent effect sizes: Applications to the estimation of the prevalence of sexting behaviours	José-Antonio López-López
			3. Reliability Generalization Meta-Analysis: A reproducibility study	Carmen López-Ibáñez
			4. Transparency and openness practices in Meta-analyses on the effectiveness of psychological interventions	Rubén López-Nicolás
			5. Psychometric properties of a methodological quality scale (MQS) for primary studies in meta-analysis	Salvador Chacón-Moscoso

		ID number		
A6	4A-SY.	47816	**SYMPOSIUM: UNIVERSITY ENTRANCE EXAMINATIONS AND PROGRAM FOR INTERNATIONAL STUDENT ASSESSMENT: APPLICATION OF STATISTICAL METHODS TO IMPROVE MEASUREMENT QUALITY**	Alejandro Veas, Isabel Benítez, Elena Govorova & Pablo Miñano
			1. School efficiency measurement based on results from PISA for Schools pilot study 2013-2014 in Spain	Isabel Benítez
			2. Psychometric analysis of the University Entrance Examinations at the Valencian Community (Spain)	Alejandro Veas
			3. Predictive values of academic competences in national and international assessment: A study about the relations between PISA and University Entrance Examinations	Isabel Benítez
			4. What does "academic competences" means? Overlap between the definition of the construct on national and international projects	Isabel Benítez

10:30 to 11:30 **Poster Session**			**Faculty of Psychology (Sala de Cristal)**	
	2A-P.	ID number	CONCEPTUAL ANALYSIS, SYSTEMATIC REVIEWS AND RELIABILITY GENERALIZATION	
		52457	Co-word analysis in the evaluation of recovery in mental health	Giorgina Guilera
		52464	Florida Obsessive-Compulsive Inventory (FOCI) and Children's Florida Obsessive-Compulsive Inventory (C-FOCI): A Reliability Generalization Meta-analysis	Alejandro Sandoval Lentisco
		47155	The medical outcome study-HIV Health Survey: A systematic review and reliability generalization meta-analysis	María Rubio-Aparicio
	2SA-P.	ID number	APPLICATIONS	

	52038	Predictive factors of Psychological Well-being using the WHO-5 scale	Andrea Castillo Hornero
	52445	Conceptualization of Substance Use Disorders: A Network Study	Daniel Dacosta Sánchez
	52446	The Relationship Between Extenalizing Symptoms: A Network Study	Daniel Dacosta Sánchez
	52447	Detection of overlapping symptoms between emotional disorders: Clique Percolation Model applied to depression, anxiety and bipolarity symptoms	Daniel Dacosta Sánchez
	46882	Application of generalized linear mixed models in Psychology	Roser Bono
	46961	Influence of cognitive styles on social identity and moral disengagement in football supporters	Constantino Arce
	52491	Examining the effects of gaming: possible ways of moving forward	Josip Razum
	60000	App for Android and iOS for hypothesis testing: relationships between two variables	Gaspar Berbel
2D-P.	ID number	RESEARCH DESIGN AND STATISTICS	
	50728	Regression and Correlation Approaches for Multinomial Processing Tree Models: A Simulation Study	Lisa J. Jobst
	52201	The effect of the skewness pattern on the robustness of linear and categorical factor analysis: A simulation study	Noelia Yoelina Minaya Ventura
	52449	The importance of the expert knowledge inclusion in the interpretation of Monte Carlo simulations: The case of Canberra mental health ecosystem	Diego Díaz-Milanés
3M-P.	ID number	TEST ADAPTATION	
	52025	Detecting postpartum depression in Roma women from Spain: a validation study of the Edinburgh Postnatal Depression Scale	Isabel Benítez
	52195	Adaptation and validation of the Nijmegen Gender Awareness in Medicine Scale to Spanish health professionals	Jone Aliri
	52196	Adaptation to Basque and validation of the SENA (System for the Evaluation of Children and Adolescents): Pilot study	Nekane Balluerka
	52197	Basque and Spanish adaptation and validation of the Dragons of Inaction Psychological Barriers (DIPB) scale	Jone Aliri
	52175	Validation of the Spanish version of Goal Motives Questionnaire in athletes	Natalia Martínez-González
	46962	Adaptation of questionnaires for the evaluation of cognitive styles, social identity and moral disengagement in team sports supporters	Constantino Arce

11:30 to 13:30 **Faculty of Psychology (Salón de Actos)**

Career Awards for Lifetime Achievement Keynotes

On-line	Probabilistic causality: Beyond Rubin and Pearl	Rolf Steyer
	CHAIR: Axel Mayer & Michael Eid	
On-site	Items in the digital era: Quo vadis?	José Muñiz
	CHAIR: José L. Padilla & Steve Sireci	

15:00 to 15:30
State of the Art (3 in parallel)
Room

Faculty of Psychology (Salón de Grados / Salón de Actos / A9)

A9	On-line	Bayesian Dynamic Borrowing For Single and Multilevel Models	David Kaplan
		CHAIR: Inés Tomás	
Salón de Grados	On-site	Disentangling aspects of test performance and consequences for reporting	Steffi Pohl
		CHAIR: Salvador Chacón	
Salón de Actos	On-site	Alternative approaches to longitudinal panel data analysis	Albert Satorra
		CHAIR: José M. Tomás	

15:30 to 17:00
Parallel Sessions / Symposia

Faculty of Psychology (A4 / A5 / A6 / A7 / A8)

A7	3D-OP.	ID Number	**ORAL PRESENTATIONS: RESEARCH DESIGN AND STATISTICS**	
		50695	Fuzzy perceived significance : Intersection of subjective and objective effect size in psychological research	Hojjatollah Farahani
		46786	Quantifying bias in longitudinal parallel mediation analysis	Davood Tofighi
		47706	Prevalence and reporting quality of mixed methods studies in palliative care and end-of-life research: A methodological review	Sergi Fabregues
		47778	Multilevel single-trial analysis of event-related potentials from multiple electrodes: A case study	Juan Carlos Oliver Rodríguez
		51956	Predicting cancer patients' quality of life: Comparing the performance of machine learning methods using Monte Carlo simulation	Nele Stadtbaeumer
		52463	Transparency and reporting practices of meta-analyses on the effectiveness of cognitive training programs	Alejandro Sandoval Lentisco
A8	5SA-OP.	ID Number	**ORAL PRESENTATIONS: BAYESIAN STATISTICS**	
		51989	Bayesian versus frequentists approaches in multilevel single-case designs: on power and type I error rate	Cristina Rodríguez Prada
		52017	Bayesian Poisson regression modeling applied to social problems: The spatial epidemiology of suicide-related 112 calls	Miriam Marco
		52438	Using reversible Jump Markov Chain Monte Carlo methods to estimate latent class solutions	Sarah Depaoli
		47741	Bayesian regularization for relational event networks	Diana Karimova
		47747	Modeling memory decay in dynamic networks: a semiparametric Bayesian method for fine-grained longitudinal data analysis	Giuseppe Arena
A4	4M-OP.	ID Number	**ORAL PRESENTATIONS: ASSESSMENT OF PSYCHOMETRIC PROPERTIES: RELIABILITY AND VALIDITY**	
		47817	On the emotional reasoning assessment: A validity evidence on the ability-based measures in different age groups	Vesna Buško
		52448	Adaptation and validation of the Spanish version of the Pure Procrastination Scale	Georgina Guilera
		46769	Exploratory Structural Equation Modelling for quality management constructs	Hendry Raharjo
		52485	New evidence of validity and reliability of the Barriers for Physical Activity Questionnaire in a general Spanish sample (BQPA-G)	Sergio Navas-León
		51831	A Reliability Generalization Meta-Analysis on the Fear of COVID-19 Scale	Desirée Blázquez-Rincón
		47744	Updated guidelines on selecting an ICC to estimate interrater reliability	Debby ten Hove

A5	4D-SY.	ID Number		
		52454	**SYMPOSIUM: ADVANCES IN OBSERVATIONAL METHODOLOGY (II)**	Daniel Lapresa & M. Teresa Anguera
			1. LINCE PLUS software for observable studies of sports and health	Alberto Soto-Fernández
			2. Professional boxing analysis with T-Patterns	Gudberg K. Jonsson
			3. T-Pattern detection in conversational analysis	M. Teresa Anguera
			4. The "dark side" of the Theory of Self-determination in young soccer players	Miriam Crespillo-Jurado
			5. Gender differences in children's motor skills: contributions from mixed methods approach	Marian Acero-Ferrero
A6	2M-SY.	ID Number		
		47768	**SYMPOSIUM: HOW ARE YOUR ITEMS DOING? IDENTIFICATION OF WELL-FUNCTIONING ITEMS IN EDUCATIONAL ASSESSMENTS**	Carmen Köhler & Alexander Naumann
			1. Performance of infit and outfit confidence intervals calculated via parametric bootstrapping	John Alexander Silva Diaz
			2. Infit and outfit as functions of the item discrimination and the variance of the ability distribution	Johannes Hartig
			3. Consequences of item selection for a test's instructional sensitivity	Alexander Naumann
			4. Comparing three-level GLMMs and multiple-group IRT models to detect group DIF	Carmen Köhler
			DISCUSSANT: Axel Mayer	

17:30 to 19:00 **General Assembly**	**Faculty of Psychology (Salón de Actos)**

				Presenters/Symposium Chairs

9:00 to 10:30
Parallel Sessions / Symposia
Room

Faculty of Psychology (A4 / A5 / A6 / A7 / A8 / A9)

A7	2A-OP.	ID Number	**ORAL PRESENTATIONS: ALTERNATIVE METHODS FOR THE ASSESSMENT OF SOCIAL AND PSYCHOLOGICAL CONSTRUCTS II**	
		51765	Personality study in otariids (Otariidae): the case of the fur seals (Arctocepalus pusillus) of Faunia	Ignacio Miguel Pardillo Gil
		52237	Predicting tweets emotionality from Latent Semantic Analysis	Diego Iglesias
		46512	Measuring personality through written language using computational methods: A meta-analysis	José David Moreno
		46684	Modeling early emotional anchoring of words: A study with longitudinal computational models and neural networks	José Á. Martínez-Huertas
		51919	Animals as targets of social perception: structure and strength of stereotypes from a Network approach	Claudia Suárez-Yera
		51943	Frontiers and the neighborhoods of a clinical output. A new methodological procedure to implement adaptive psychological assessment	Umberto Granziol
A8	6SA-OP.	ID Number	**ORAL PRESENTATIONS: SMALL SAMPLE AND VARIABLE SELECTION**	
		46792	A Small Sample Solution for SEM: ML Estimation with Bounds	Julie De Jonckere
		46857	The development and validation of prediction models using various variable selection strategies	Wendy Post
		52371	A small sample correction for Factor Score Regression	Jasper Bogaert
		47737	Covariate selection for estimating conditional treatment effects in psychotherapy research – a Monte Carlo simulation	Robin Wester
A9	5M-OP.	ID Number	**ORAL PRESENTATIONS: QUESTIONNAIRE DESIGN AND RESPONSE FORMAT**	
		46980	Optimal Assembly of Forced-Choice Questionnaires	Rodrigo Schames Kreitchmann
		52094	Dimensionality Assessment in the Presence of Wording Effects	Alejandro García
		52287	Comparison of Selection Rules for Pairwise Forced-Choice Adaptive Assessment	Rodrigo Schames Kreitchmann
		47710	Using fit information to distinguish between substantive and artifactual variance in models with positively and negatively worded items	Agustín Martínez Molina
		47158	Applying the Random Intercept Factor Analysis Model to Self-Report Scales with Negatively-Worded Items	Michalis Michaelides
		ID Number		
A4	5A-SY.	52001	**SYMPOSIUM: METHODOLOGICAL APPLICATIONS IN RESEARCH ON HIGH INTELLECTUAL ABILITIES**	África Borges
			1. Formative evaluation of compliance with indicators through videos in an on-site program	Adalberto González

		2. Formative evaluation of compliance with indicators through videos in an online program	Belén Ortega
		3. Analyzing educator's interactions by polar coordinates	Belén Ortega
		4. Analyzing educator's interaction by lag sequential analysis	Kyle Sandholzer
		5. Comparison of classical and Bayesian methods in the meta-analysis of working memory outcomes in gifted students	Beatriz Hidalgo

A5   3M-SY.

ID Number

47339 **SYMPOSIUM: RECENT ADVANCES IN THE ANALYSIS OF MULTITRAIT-MULTIMETHOD DATA**   Jonathan Lee Helm

1. Power to detect the Correlated-Trait Correlated Method Model   Jonathan Lee Helm

2. Musings on alternative models for Multitrait-Multimethod data   Keith F. Widaman

3. Empirical non-identification and the practice of the Split-Ballot MTMM model   Albert Satorra

4. Analyzing longitudinal multimethod measurement designs with individually varying time intervals: A continuous time   Tobias Koch & Manuel C.

A6   7SA-SY.

ID Number

46904 **SYMPOSIUM: RECENT DEVELOPMENTS IN META-ANALYSIS**   Robbie C.M. van Aert

1. Multivariate meta-analysis on correlation coefficients   Hannelies de Jonge

2. Machine learning in meta-analysis: Meta-CART   Elise Dusseldorp

3. Correcting for outcome reporting bias in a meta-analysis: A meta-regression approach   Robbie C. M. van Aert

DISCUSSANT: Belén Fernández Castilla

10:30 to 11:30   **Faculty of Psychology (Sala de Cristal)**

Poster Session

3A-P.   ID number   ISSUES IN TEACHING METHODOLOGY AND PERFORMANCE

46885   Academic achievement in research design courses and its relationship to math anxiety: Perfectionism as a mediator   Roser Bono

47814   Gamification as a Teaching Methodology   María Pilar Egea

51369   Online learning anxiety in a research design course during Covid-19 lockdown   Roser Bono

50001   Brief Scale of Anxiety about Academic Evaluation (EBAEA-3): training in methodology   María Dolores Frías

4M-P.   ID number   GENERAL PSYCHOMETRIC QUALITY ASSESSMENT AND MI

51762   Validity based on the structure of the GHQ-12 in informal caregivers   F. Javier García-Castro

51763   External validity of the SWLS in caregivers   F. Javier García-Castro

51787   Analysis of the psychometric properties of the KIDSCREEN-10 health-related quality of life questionnaire in adolescents in Spain, from the perspective of adoption   Vanesa Salado

51788   Analysis of the psychometric properties of a scale of emotional regulation in adolescents in Spain, from the perspective of adoption   Vanesa Salado

51789   Analysis of the psychometric properties of a social self-efficacy scale in adolescents in Spain, from a gender perspective   Vanesa Salado

51936   The relationship between creative potential and creative performance: implementation-motivation and barriers   Magdalena Holter

52372   Sexual Fantasies Analysis by Using Visual Stimuli. A Pilot Study About Their Psychometric Properties   Diego Díaz-Milanés

		52479	Scale for assessing self-concept in adults with cognitive impairment	Alicia Risso
		46986	Measurement Invariance in the BEPE Battery: Can we compare Entrepreneurial Personality between men and women?	Álvaro Postigo
		47806	Validation of a self-concept questionnaire in China	Oscar F. Garcia
		50000	Brief Scale of Anxiety about Academic Evaluation (EBAEA-4): validity	María Dolores Frías
		51750	Dissociating Sources of Measurement Non-Invariance in Cross-Cultural Research: The Culture, Comprehension, and Translation Bias (CCT) Procedure	Martina Bader
5M-P.	ID number		ITEM RESPONSE THEORY	
		52436	Assessment of the Protective Behavioral strategies using Item Response Theory in University Students	Bella María González Ponce
		52184	Graded Response Model for the analysis of the items of the Charbonnier-Voirin & Roussel Adaptive Performance Scale	Arantxa Gorostiaga
		51918	Animal Attitude Scales: Concordance between 20-, 10- and 5-item versions using Rasch models	Claudia Suárez-Yera
6M-P.	ID number		NETWORK ANALYSIS	
		52465	Network Analysis of the Brief ICF Core Set for schizophrenia	Giorgina Guilera
		52489	The Broad Autism Phenotype structure represented in the Broad Autism Phenotype—International Test: New Perspectives from a Network Analysis	Marta Godoy Giménez

11:30 to 12:00
State of the Art (2 in parallel)
Room

Faculty of Psychology (Salón de Grados / Salón de Actos)

Salón de Grados	On-line	Situational Judgment Tests Work, But How?	Marise Born
		CHAIR: Amparo Oliver	
Salón de Actos	On-site	Meta-analysis: Its role in the reproducibility of psychological research	Julio Sánchez Meca
		CHAIR: José Antonio López-López	

12:00 to 13:30
Parallel Sessions / Symposia
  Room

Faculty of Psychology (A4 / A5 / A6 / A7 / A8)

A7	6M-OP.	ID number	**ORAL PRESENTATIONS: MEASUREMENT INVARIANCE/DIF**	
		47788	A semi-parametric moderated factor analysis approach to test for measurement invariance across a continuous variable	Dylan Molenaar
		47801	The effects of scaling, manifest residual variances, and sample size on the $\chi 2$-test statistic of the metric invariance model	Eric Klopp
		52487	The Broad Autism Phenotype—International Test: test development and validity evidence in two countries	Marta Godoy Giménez
		52488	Strengthening the BAP-IT by applying a Rasch model: item severity analysis and test differential functioning of the BAP-IT in	Marta Godoy Giménez
		51883	Score-based measurement invariance tests for multistage testing	Rudolf Debelak

A8	7M-OP.	ID number	ORAL PRESENTATIONS: MEASUREMENT MISCELLANEOUS: IRT, ADAPTIVE TEST, RESPONSE STYLES	
		46416	Merged Tree-CAT: A fast method for building precise Computerized Adaptive Tests structured on Decision Trees	Javier Rodríguez-Cuadrado
		47793	Empirical priors in Computerized Adaptive Testing: risk and reward	Niek Frans
		51964	Power analysis for the Wald, LR, score and gradient test in a marginal maximum likelihood framework: Applications in IRT	Felix Zimmer
		52057	Construction of an items bank to assemble several forms of test that measure spontaneous prosocial behavior	Javier A. Villalba Garzón
		47810	Anchoring vignettes as covariates in the IRT modeling of response styles	Lale Khorramdel
		52460	Three Process IRTree Model Combining Extreme Response Style and Rapid Responding	Ulf Kroehne
A4	5D-SY.	ID number		
		52455	SYMPOSIUM: ADVANCES IN OBSERVATIONAL METHODOLOGY (III)	Elena Escolano-Pérez & M. Teresa Anguera
			1. Value of systematic observation applied to the evaluative analysis of instructional interaction in higher education	Héctor Tronchoni Albert
			2. Systematic observation applied to interactive behaviour on animal-assisted intervention	Gudberg K. Jonsson
			3. Observational analysis in wheelchair basketball: application of different analysis techniques -synchronous and diachronic	Javier Arana
			4. Systematic review of observational studies in male elite football from a mixed method perspective	María Preciado
			5. Validation of the instrument "Interaction in Physical Activity and Sport"	Miriam Crespillo-Jurado
A5	4M-SY.	ID number		
		47822	SYMPOSIUM: A DIALOGUE ON VALIDITY THEORY, VALIDATION METHODS, AND IMPLICATIONS FOR RESEARCHERS AND PROFESSIONALS	Stephen G. Sireci & Jose-Luis Padilla
			1. The validity argument for the Massachusetts Adult Proficiency Test: An example of 21st-century test validation	Stephen G. Sireci
			2. Validity and validation of formative assessment	Saskia Wools
			3. New validation methods for validity evidence of the response processes	Jose-Luis Padilla
			4. Validity evidence on the use of test scores in work contexts: Challenges and lessons learned	Ana Hernández Baeza
			DISCUSSANT: José Muñiz	
A6	8SA-SY.	ID number		
		47730	SYMPOSIUM: SUBSTANTIVE APPLICATIONS OF CONTINUOUS-TIME MODELS IN PSYCHOLOGY	Eduardo Estrada
			1. Networks, and changes in networks, in continuous time	Charles Driver
			2. Time to intervene: A continuous-time approach to network analysis and centrality	Oisín Ryan
			3. Control theory forecasts of optimal training dosage to facilitate children's arithmetic learning in digital educational applications	Sy-Miin Chow
			4. Detecting cohort differences in accelerated longitudinal designs by means of continuous time models	Eduardo Estrada

14:30 to 15:30
Parallel Sessions / Symposia

Faculty of Psychology (A4 / A5 / A7 / A8)

Room

		ID Number	**ORAL PRESENTATIONS: FACTOR ANALYSIS II**	
A7	9M-OP.	51916	Where have the doublets gone? The real crime of correlated residuals	Ana Hernández Dorado
		51987	"In medio virtus": Searching for the factor structure between fit and parsimony	Pablo Nájera
		52496	A factor-analytic model for categorical rating scales	Gregor Sočan
		46795	The identification of the difficulty factor using variance estimates	Karl Schweizer

		ID Number	**ORAL PRESENTATIONS: SCALING**	
A8	10M-OP.	46767	A two-step procedure for scaling multilevel data using Mokken's scalability coefficients	Letty Koopman
		47787	An investigation of conjoint measurement methods	Marcos Jiménez Henríquez
		52124	Quantum approach for similarity evaluation in LSA vector space models	Alejandro Martínez-Mingo

		ID Number		
A4	6A-SY.	52208	**SYMPOSIUM: PSYCHOMETRICS AND ORECTIC VARIABLES**	Eduardo García-Cueto & Marcelino Cuesta
			1. Development and validation of Oviedo Grit Scale	Álvaro Postigo
			2. Psychometric properties of the Concern about Appearance on social networks scale	Covadonga González-Nuevo
			3. Spanish validation of the Acceptance and Action Questionnaire-II	Álvaro Menéndez-Aller
			4. Development of a Gender Roles Scale	Jaime García-Fernández

		ID Number		
A5	6D-SY.	45389	**SYMPOSIUM: TWO-STEP APPROACHES FOR HANDLING MEASUREMENT ERROR**	Wen Wei Loh
			1. Two-step latent class modelling	Jouni Kuha
			2. The detection and modeling of direct effects in two-step Latent Class Analysis	Zsuzsa Bakk
			3. Exploiting the robustness of MIIV estimation for data-driven searches among latent constructs	Kathleen M. Gates
			4. A Monte Carlo study of robustness to causal model misspecifications in the presence of measurement error	Wen Wei Loh

15:30 to 16:30
Closing Ceremony Keynote

Faculty of Psychology (Salón de Actos)

	On-line	Do methodological tutorials have an impact?	Lisa L. Harlow
		CHAIR: Mirjam Moerbeek	

16:30 to 17:30
Closing Ceremony and Best Presentation Awards

Faculty of Psychology (Salón de Actos)