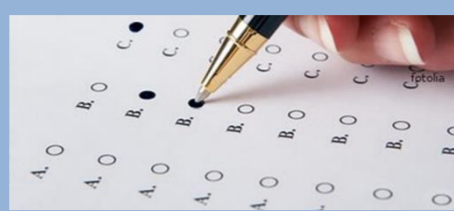


# APORTACIONES DE INVESTIGACIÓN DEL ÁREA DE METODOLOGÍA DE LAS CIENCIAS DEL COMPORTAMIENTO DE LA UAM

## PSICOMETRÍA



### Desarrollo de instrumentos

García-Campayo J., Zamorano E., Ruiz M.A., Pardo A., Pérez-Páramo M., López-Gómez V., Freire, O. y Rejas J. (2010). Cultural adaptation into Spanish of the Generalized Anxiety Disorder - 7 (GAD-7) scale as a screening tool. *Health and Quality of Life Outcomes*, 8, 8.

Ruiz M.A., Pardo A., Rejas J., Soto J., Villasante F. y Aranguren J.L. (2008). Development and validation of the "treatment satisfaction with medicines questionnaire" (SATMED-Q). *Value in Health*, 11, 913-926.

Ruiz M.A., Zamorano E., García-Campayo J., Pardo A., Freire O. y Rejas J. (2011). Validity of the GAD-7 scale as an outcome measure of disability in patients with generalized anxiety disorders in primary care. *Journal of Affective Disorders*, 128, 277-286.

### Tests adaptativos

Barrada, J.R., Olea, J., Ponsoda, V. y Abad, F.J. (2008). Incorporating randomness in the Fisher information for improving item-exposure control in CATs. *British Journal of Mathematical and Statistical Psychology*, 61, 493-513.

Olea, J., Abad, F.J., Ponsoda, V., Barrada, J.R., y Aguado, D. (2011). eCAT-listening: Design and psychometric properties of a computerized adaptive test on English listening. *Psicothema*, 23, 802-807.

Revuelta, J. y Ponsoda, V. (1998). A comparison of item exposure control methods in computerized adaptive testing. *Journal of Educational Measurement*, 35, 311-327.

Revuelta, J., Ximénez, C. y Olea, J. (2003). Psychometric and psychological effects of item selection and review on computerized testing. *Educational and Psychological Measurement*, 63, 791-808.

### Psicometría aplicada

Abad, F.J., Sorrel, M.A., García, L.F. y Aluja, A. (2016). Modeling general, specific, and method variance in personality measures: Results for ZKA-PQ and NEO-PI-R. *Assessment*, <https://doi.org/10.1177/1073191116667547>

Ordoñez, X., Ponsoda, V., Abad, F.J. y Romero, S.J. (2009). Measurement of epistemological beliefs: Psychometric properties of the EQEBI test scores. *Educational and Psychological Measurement*, 69, 287-302.

Rey, J. J., Abad, F. J., Barrada, J. R., Garrido, L. E., & Ponsoda, V. (2014). The impact of ambiguous response categories on the factor structure of the GHQ-12. *Psychological Assessment*, 26, 1021-1030.



### Modelos psicométricos

#### Análisis factorial

Abad, F. J., García-Garzón, E., Garrido, L. E., y Barrada, J. R. (2017). Iteration of partially specified target matrices: application to the bi-factor case. *Multivariate Behavioral Research*, 52, 416-429.

Garrido, L.E., Abad, F.J., y Ponsoda, V. (2013). A new look at Horn's parallel analysis with ordinal variables. *Psychological Methods*, 18, 454-474.

Garrido, L.E., Abad, F. J., y Ponsoda, V. (2016). Are fit indices really fit to estimate the number of factors with categorical variables? some cautionary findings via Monte Carlo simulation. *Psychological Methods*, 21, 93-111.

Ximénez, C. (2006). A Monte Carlo study of recovery of weak factor loadings in confirmatory factor analysis. *Structural Equation Modeling*, 13, 587-614.

Ximénez, C. (2009). Recovery of weak factor loadings in confirmatory factor analysis under conditions of model misspecification. *Behavior Research Methods*, 41, 1038-1052.

### Medición en marketing

García, C., y Fabero, M. (2016). Desarrollo y validación inicial de una escala para evaluar la fidelidad de los consumidores hacia las tiendas. *European Research on Management and Business Economics*, 22, 94-100.

García, C., Ponsoda, V. y Estebanz, H. (2000). Scanning ads: Effects of involvement and position of the illustration in printed advertisements. *Advances in Consumer Research*, 27, 104-109.

### Teoría de respuesta al ítem

Abad, F.J., Olea, J. y Ponsoda, V. (2009). The multiple-choice model: Some solutions for the estimation of parameters. *Applied Psychological Measurement*, 33, 200-221.

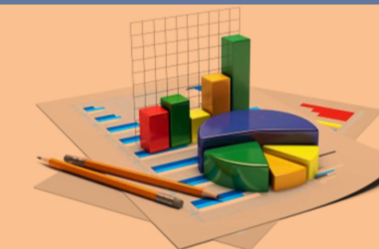
Morillo, D., Leenen, I., Abad, F. J., Hontangas, P., de la Torre, J., y Ponsoda, V. (2016). A dominance variant under the multi-unidimensional pairwise-preference framework: Model formulation and Markov chain Monte Carlo estimation. *Applied Psychological Measurement*, 40, 500-516.

Revuelta, J. (2005). An item response model for nominal data based on the rising selection ratios criterion. *Psychometrika*, 70, 305-324.

Revuelta, J. (2009). Identifiability and equivalence of GLLIRM models. *Psychometrika*, 74, 257-272.

Sorrel, M. A., Olea, J., Abad, F. J., de la Torre, J., Aguado, D., y Lievens, F. (2016). Validity and reliability of situational judgement test scores: A new approach based on cognitive diagnosis models. *Organizational Research Methods*, 19, 506-532.

## DISEÑOS DE INVESTIGACIÓN Y ANÁLISIS DE DATOS



### Uso de diseños de investigación

Montero, I. y León, O.G. (2002). Methodological forms and customs in Spanish psychology: An analysis through the life of Psicothema. *Psychology in Spain*, 6, 77-82.

Montero, I. y León, O.G. (2007). A guide for naming research studies in psychology. *International Journal of Clinical and Health Psychology*, 7, 847-862.

### Malas prácticas en estadística

Caperos, J.M., Olmos, R. y Pardo, A. (2016). Inconsistencies in reported p-values in Spanish journals of psychology: The case of correlation coefficients. *Methodology*, 12, 44-51.

Pardo, A., Garrido, J., Ruiz, M.A. y San Martín, R. (2007). La interacción entre factores en el análisis de varianza: errores de interpretación. *Psicothema*, 19, 343-349.

### Muestreo secuencial

Botella, J., Ximénez, C., Revuelta, J. y Suero, M. (2006). Optimization of sample size in controlled experiments: the CLAST rule. *Behavior Research Methods*, 38, 65-76.

Braschi, L., Botella, J. y Suero, M. (2014). Consequences of Sequential Sampling for Meta-Analysis. *Behavior Research Methods*, 46, 1167-1183.

Ximénez, C. y Revuelta, J. (2007). Extending the CLAST sequential rule to one-way ANOVA under group sampling. *Behavior Research Methods*, 39, 86-100.

### Evaluación del cambio

Botella, J., Blázquez, D., Suero, M. y Juola, J. (2018). Assessing individual change without knowing the test properties: Item bootstrapping. *Frontiers in Psychology*, 9:223.

Ferrer, R. y Pardo, A. (2014). Clinically meaningful change: False positives in the estimation of individual change. *Psychological Assessment*, 26, 370-383.

Rejas, J., Ruiz, M.A., Pardo, A. y Soto, J. (2013). Detecting changes in patient treatment satisfaction with medicines: The SATMED-Q. *Value in Health*, 16, 88-96.

Rejas, J., Pardo, A. y Ruiz, M.A. (2008). Standard error of measurement as a valid alternative to minimally important difference for evaluating the magnitude of changes in patient-reported outcomes measures. *Journal of Clinical Epidemiology*, 61, 350-356.

### Meta-análisis

Huedo-Medina, T. B., Sánchez-Meca, J., Marín-Martínez, F. y Botella, J. (2006). Assessing heterogeneity in meta-analysis: Q statistic or I<sup>2</sup> index? *Psychological Methods*, 11, 193-206.

Botella, J., Suero, M. y Gambará, H. (2010). Psychometric inferences from meta-analysis of reliability and internal consistency coefficients. *Psychological Methods*, 15, 386-397.

Botella, J., Huang, H. y Suero, M. (2015). Meta-analysis of the accuracy of tools used for binary classification when the primary studies employ different references. *Psychological Methods*, 20, 331-341.

### Percepción

Derrington, A. y Suero, M. (1991). Motion of complex patterns is computed from the perceived motions of their components. *Vision Research*, 31, 139-149.

Suero, M., Botella, J., y Privado, J. (2018). Estimating the expected value and variance of SDT indexes with heterogeneous individuals. *Journal of Mathematical Psychology*. <https://doi.org/10.1016/j.jmp.2018.02.001>.

### Análisis de decisiones

Gambará, H. y León, O. G. (1996). Subjective evidence of data and confidence in clinical judgement. *European Journal of Psychological Assessment*, 12, 193-201

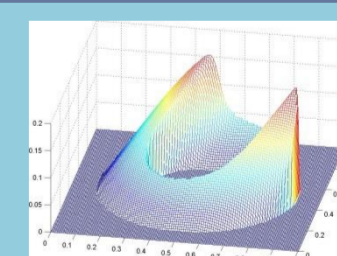
### Atención

Botella, J., Barriopedro, M. I. y Suero, M. (2001). A model of the formation of illusory conjunctions in the time domain. *Journal of Experimental Psychology: Human Perception and Performance*, 27, 1452-1467.

Juola, J., Botella, J. y Palacios, A. (2004). Task and location switching: Effects on visual attention. *Perception & Psychophysics*, 66, 1303-1317.

Botella, J., Privado, J., Gil-Gómez de Liaño, B. y Suero, M. (2011). Illusory conjunctions reflect the time course of the attentional blink. *Attention, Perception & Psychophysics*, 73, 1361-1373.

## MODELOS MATEMÁTICOS



### Lenguaje

Olmos, R., Jorge-Botana, G., Luzón, J.M., Cordero, J., y León, J.A. (2016). Transforming LSA space dimensions into a rubric for an automatic assessment and feedback system. *Information Processing & Management*, 52, 359-373.

Olmos, R., León, J. A., Jorge-Botana, G., y Escudero, I. (2009). New algorithms assessing short summaries in expository texts using latent semantic analysis. *Behavior Research Methods*, 41, 944-950.

Juan Botella y Vicente Ponsoda  
Dpto. de Psicología Social y Metodología

