

# Metodología de las Ciencias del Comportamiento

## Exposición *Avances de la Psicología en 50 Años de la UAM*



Selección de obras relevantes en los últimos 50 años en distintos ámbitos de la Metodología de las Ciencias del Comportamiento: Análisis de datos, Psicología matemática, Psicometría y Test adaptativos informatizados.

Akaike, H. (1987). Factor analysis and AIC. *Psychometrika*, 52(3), 317-332. doi: 10.1007/BF02294359

Andrich, D. (1978). A rating formulation for ordered response categories. *Psychometrika*, 43(4), 561-573. doi:10.1007/BF02293814

Bock, D. R. (1972). Estimating item parameters and latent ability when responses are scored in two or more nominal categories. *Psychometrika*, 37(1), 29-51. doi: 10.1007/BF02291411

Bock, R. D., & Aitkin, M. (1981). Marginal maximum likelihood estimation of item parameters: Application of an EM algorithm. *Psychometrika*, 46(4), 443-459. doi: 10.1007/BF02293801

Bollen, K. A. (1989). *Structural equations with latent variables*. New York: Wiley.

Borg, I., & Groenen, P. J. F. (2005). *Modern multidimensional scaling: Theory and applications* (2. ed.). New York: Springer.

Borsboom, D., Mellenbergh, G. J., & van Heerden, J. (2004). The concept of validity. *Psychological Review*, 111(4). doi:1061-1071.10.1037/0033-295X.111.4.1061

Brown, T. A. (2006). *Confirmatory factor analysis for applied research*. New York: Guilford Press.

Carroll, J. D., & Chang, J. J. (1970). Analysis of individual differences in multidimensional scaling via an n-way generalization of "eckart-young" decomposition. *Psychometrika*, 35(3), 283.

Cooper, H., Hedges, L. V., & Valentine, J. C. (2009). *The handbook of research synthesis and meta-analysis*. New York: Russell Sage Foundation. doi:10.7758/9781610441384

Cudeck, R., & MacCallum, R. C. (2007). *Factor analysis at 100*. Mahwah: Routledge Ltd. doi:10.4324/9780203936764

Cumming, G. (2012). *Understanding the new statistics*. London: Routledge Ltd - M.U.A.

Embretson, S. E., & Reise, S. P. (2000). *Item response theory for psychologists*. Mahwah, NJ: Psychology Press.

Fox, J. (2010). *Bayesian item response modeling*. New York: Springer.

- Green, D. M., & Swets, J. A. (1974). *Signal detection theory and psycho-physics* (Repr. with corr. ed.). New York: Krieger.
- Harlow, L. L., Mulaik, S. A., & Steiger, J. H. (1997). *What if there were no significance tests?* Lawrence Erlbaum Associates.
- Hedges, L. V., & Olkin, I. (1985). *Statistical methods for meta-analysis*. Orlando: Academic Press.
- Jöreskog, K. G. (1971a). Simultaneous factor analysis in several populations. *Psychometrika*, 36(4), 409-426. doi:10.1007/BF02291366
- Jöreskog, K. G. (1971b). Statistical analysis of sets of congeneric tests. *Psychometrika*, 36(2), 109-133. doi:10.1007/BF02291393
- Krantz, D. H., Suppes, P., & Luce, R. D. (1971). *Foundations of measurement*. San Diego, Calif.: Academic Press.
- Kruschke, J. (2015). *Doing bayesian data analysis: A tutorial with R, JAGS, and stan*. Amsterdam: Elsevier.
- Kruskal, J. B., & Wish, M. (1978). *Multidimensional scaling*. Beverly Hills, CA: Sage Publications.
- Levy, R., & Mislevy, R. J. (2016). *Bayesian psychometric modeling* CRC Press.
- Little, R. J. A., & Rubin, D. B. (2002). *Statistical analysis with missing data*. New York: Wiley.
- Logan, G. D. (2004). Cumulative progress in formal theories of attention. *Annual Review of Psychology*, 55(1), 207-234. doi:10.1146/annurev.psych.55.090902.141415
- Lord, F. M. (1980). *Applications of item response theory to practical testing problems*. Hillsdale, NJ: Erlbaum.
- Luce, R. D. (1986). *Response times: Their role in inferring elementary mental organization* Oxford University Press on Demand.
- Masters, G. N. (1982). A rasch model for partial credit scoring. *Psychometrika*, 47(2), 149-174. doi:10.1007/BF02296272
- McDonald, R. P. (1985). *Factor analysis and related methods*. Hillsdale, N.J.: Erlbaum.
- Meredith, W. (1993). Measurement invariance, factor analysis and factorial invariance. *Psychometrika*, 58(4), 525-543. doi:10.1007/BF02294825
- Meredith, W., & Tisak, J. (1990). Latent curve analysis. *Psychometrika*, 55(1), 107-122.
- Michell, J. (1997). Quantitative science and the definition of measurement in psychology. *British Journal of Psychology*, 88(3), 355-383. doi:10.1111/j.2044-8295.1997.tb02641.x
- Michell, J. (2000). Normal science, pathological science and psychometrics. *Theory & Psychology*, 10(5), 639-667. doi:10.1177/0959354300105004
- Mulaik, S. A. (1972a). *The foundations of factor analysis*. New York etc.: McGraw-Hill.

- Muraki, E. (1992). A generalized partial credit model: Application of an EM algorithm. *Applied Psychological Measurement, 16*(2), 159-176. doi:10.1177/014662169201600206
- Muthén, B. (1984). A general structural equation model with dichotomous, ordered categorical, and continuous latent variable indicators. *Psychometrika, 49*(1), 115-132. doi:10.1007/BF02294210
- Nickerson, R. S. (2000). Null hypothesis significance testing: A review of an old and continuing controversy. *Psychological Methods, 5*(2), 241-301. doi:10.1037/1082-989X.5.2.241
- Rasch, G. (1977). On specific objectivity - an attempt at formalizing the request for generality and validity of scientific statements. *Danish Yearbook of Philosophy, 14*, 58.
- Rumelhart, D. E., & McClelland, J. L. (1986). *Parallel distributed processing* (2. ed.). Cambridge, Mass.: MIT Press.
- Satorra, A., & Bentler, P. (2001). A scaled difference chi-square test statistic for moment structure analysis. *Psychometrika, 66*(4), 507-514. doi:10.1007/BF02296192
- Schafer, J. L., & Graham, J. W. (2002). Missing data: Our view of the state of the art. *Psychological Methods, 7*(2), 147-177. doi:10.1037/1082-989X.7.2.147
- Townsend, J. T., & Ashby, F. G. (1983). *The stochastic modeling of elementary psychological processes*. Cambridge: Cambridge University Press
- Tucker, L. R., & Lewis, C. (1973). A reliability coefficient for maximum likelihood factor analysis. *Psychometrika, 38*(1), 1-10. doi:10.1007/BF02291170
- Van der Linden, W J, & Glas, C. A. W. (2000). *Computerized adaptive testing: Theory and practice*. Hingham: Kluwer Academic Publishers. doi:10.1007/0-306-47531-6
- Wainer, H., Dorans, N. J., Green, B., Steinberg, L., Flaugher, R., Mislevy, R. J., . . . Thissen, D. (1990). *Computerized adaptive testing: A primer*. United States: Lawrence Erlbaum Associates.
- Wasserman, S., & Faust, K. (1994). *Social network analysis: Methods and applications* (1st publ. ed.). Cambridge: Cambridge University press.
- Wickens, T. D. (1982). *Models for behavior: stochastic processes in psychology*. San Francisco: Freeman.
- Wilkinson, L. (1999). Statistical methods in psychology journals. *American Psychologist, 54*(8), 594-604. doi:10.1037/0003-066X.54.8.594