

# CURRICULUM VITAE

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### Publications

#### *Journal Articles*

- Barrada, J. R.**, Olea, J., & Abad, F. J. (in press). Rotating item banks versus restriction of maximum exposure rates in computerized adaptive testing. *Spanish Journal of Psychology*.
- Barrada, J. R.**, Olea, J., Ponsoda, V., & Abad, F. J. (in press). Incorporating randomness to the Fisher information for improving item exposure control in CATs. *British Journal of Mathematical and Statistical Psychology*.
- Barrada, J. R.**, Olea, J., Ponsoda, V., & Abad, F. J. (in press). Item selection rules in computerized adaptive testing: accuracy and security. *Methodology*.
- Barrada, J. R.**, Veldkamp, B. P., & Olea, J. (in press). Multiple maximum exposure rates in computerized adaptive testing. *Applied Psychological Measurement*.
- Barrada, J. R.**, Olea, J., & Ponsoda, V. (2007). Methods for restricting maximum exposure rate in computerized adaptive testing. *Methodology*, 3, 14-23.
- Barrada, J. R.**, Mazuela, P., & Olea, J. (2006). Maximum information stratification method for controlling item exposure in computerized adaptive testing. *Psicothema*, 18, 157-160.
- Barrada, J. R.**, Olea, J., Ponsoda, V. & Abad, F. J. (2006). Estrategias de selección de items en un Test Adaptativo Informatizado para la evaluación de inglés escrito. *Psicothema*, 18, 828-834.

**Barrada, J. R.**, Olea, J., & Ponsoda, V. (2004). Reglas de selección de items en Tests Adaptativos Informatizados. *Metodología de las Ciencias del Comportamiento, Suplemento 2004*, 55-61.

Arend, I., Botella, J., & **Barrada, J. R.** (2003). Emotional load and the formation of illusory conjunctions in the time domain. *Psicothema*, 15, 446-451.

#### *Book Chapters*

**Barrada, J. R.**, & Botella, J. (2001) Efectos aditivos de dos distractores en un paradigma de compatibilidad con presentaciones PRSV. En C. Méndez, D. Ponte, L. Jimenez y M. J. Sampedro (eds.) *La Atención: Un enfoque pluridisciplinar Vol. 2* (pp. 251-260). Valencia: Promolibro.

#### *Manuscripts under Review*

**Barrada, J. R.**, Abad, F. J., & Olea, J. (submitted). *Varying the valuating function and the presentable bank in Computerized Adaptive Testing.*

**Barrada, J. R.**, Abad, F. J., & Veldkamp, B. P. (submitted). *Comparison of methods for controlling maximum exposure rates in computerized adaptive testing.*

**Barrada, J. R.**, Olea, J., Ponsoda, V., & Abad, F. J. (submitted). *A method for the comparison of item selection rules in computerized adaptive testing.*

**Barrada, J. R.**, Olea, J., Ponsoda, V., & Abad, F. J. (submitted). *Item bank disclosure in computerized adaptive testing: What makes an item selection rule safer?* Manuscript submitted for publication.

### Teaching experience

- 2006 -: teaching in *Data Analysis, Psychometrics and Computers in Psychology*, in the Psychology School of the *Universidad Autónoma de Barcelona*..

### Honors and Awards

- 2008: *European Association of Methodology* award to the *Best Junior Scientist Article*.
- 2005: *Asociación Española de Metodología de las Ciencias del Comportamiento* award to a *Young Scientist*.