Ottavia M. Epifania, Ph.D.

GitHub: https://github.com/OttaviaE
Open Science Framework: https://osf.io/profile/
Website: https://ottaviae.github.io/presentations/

Current Employment

- **Researcher in Tenure Track** — Department of Psychology and Cognitive Science
  July 2024 - On going — *University of Trento (it)*
  Field of study: Psychometrics

- **Academic Editor** — PeerJ
  Editorial board: https://peerj.com/academic-boards/editors/?page=99 — *November 2023 - On going*

Education

- **Ph.D. in Psychological Sciences; cum laudae** — Padova, IT
  University of Padova — *Oct 2017 - May 2021*
  Thesis: Inglorious Measures: A Linear Mixed-Effects Model approach for a Rasch analysis of implicit measure accuracy and time responses

- **Visiting research scholar** — Ohio, USA
  The Ohio State University — *Jan 2019 - May 2019*
  Collaboration with Prof. De Boeck (i.e., multilevel data modeling, latent variable modeling)

Selection of Scientific seminars

- **An introduction to Item Response Theory Models with R** — Rovereto, IT
  6-hour Seminar — *November, 17th, 2023*
  School: the University of Trento, Rovereto, IT

  Course website: https://ottaviae.github.io/IRTintro/

- **couRse: An introduction to `R`** — Milan, IT
  12-hour course — *June 7th-8th, 2023*
  School: Graduate School in Psychology, Catholic University of the Sacred Heart, Milan, IT

  Course website: https://github.com/OttaviaE/coRso

- **`RMarkdown`: Reproducible analysis, presentations, reports and beyond** — Padova, IT
  20-hour course — *2022 - 2024*
  School: Applied Research Courses Academy, Department of Developmental Psychology and Socialisation, University of Padova, Padova, IT

  Course website: https://arca-dpss.github.io/CorsoRmarkdown/

- **From the item perspective: Georg Rasch and Item Response Theory Models** — Padova, IT
  PsicoStat — *April 8th, 2021*
  School: PsicoStat, University of Padova, IT

- **Shine bright like an open source app: An introduction to shiny** — Padova, IT
  PsicoStat — *May 29th, 2020*
  Topics: Introduction to the `shiny` package for the development of open souce web application in `R` with practical examples.

  School: PsicoStat, University of Padova, IT

General information

- **Programming and data analysis**: `R` (data analysis: 8 years, packages development 4 years), `shiny` (5 years), `RMarkdown` (6 years), LaTeX(`article`, `beamer`, `book`, 5 years), HTML (4 years), CSS (4 Years), Matlab (Basic), Python (Basic), SQL (Basic).
- **Software for teaching**: Moodle, Kaltura, Blackboard
- **Languages**: Italian (Mother Tongue), English (Advanced)
- **Psicostat**: Core member of the Psicostat group, https://psicostat.dpss.psy.unipd.it/
- **Third best presenter at the Cognitive Science Arena**: Talk: "Filling the gap between implicit and behaviors: A Rasch modeling of the Implicit Association Test" presented at the Cognitive Science Arena in Brixen, 2020

R packages

Epifania O.M., Anselmi P., Robusto E. (2023). `shortIRT`: Procedures Based on Item Response Theory Models for the Development of Short Test Forms [Computer software manual]. R package version 0.1.2. Retrieved from https://cran.r-project.org/web/packages/shortIRT/index.html

Brancaccio, A., **Epifania, O.M.**, & de Chiusole, D. (2023). `matRiks`: Generates Raven-Like Matrices According to Rules [Computer software manual]. R package version 0.1.2. Retrieved from thttps://cran.r-project.org/web/packages/matRiks/index.html

Epifania, O. M., Anselmi, P., & Robusto, E. (2020). `implicitMeasures`: Computes the Scores for Different Implicit Measures [Computer software manual]. Retrieved from https://CRAN.R-project.org/package=implicitMeasures (R package version 0.2.0) (Google Scholar)

Epifania, O. M. (2019). DscoreApp. http://fisppa.psy.unipd.it/DscoreApp/. (April 2019)

Top 5 Publications

Epifania, O. M., Anselmi, P. & Robusto, E., (2024). A guided tutorial on linear mixed-effects models for the analysis of accuracy and response times in experiments with fully-crossed design *Psychological Methods*. Advance online publication. doi: https://doi.org/10.1037/met0000708

Epifania, O.M., Anselmi, P., Robusto, E. (2022). Pauci sed boni: An Item Response Theory Approach for Shortening Tests. In: Wiberg, M., Molenaar, D., González, J., Kim, JS., Hwang, H. (eds) *Quantitative Psychology*. IMPS 2022. Springer Proceedings in Mathematics & Statistics, vol 422. Springer, Cham. https://doi.org/10.1007/978-3-031-27781-8_7 (WoS, Scopus, Google Scholar)

Epifania, O. M., Anselmi, P., & Robusto, E. (2022). Filling the gap between implicit associations and behavior: A Linear Mixed-Effects Rasch Analysis of the Implicit Association Test. *Methodology, 18*(3), 185-202, doi: https://doi.org/10.5964/meth.7155 (WoS, Scopus, Google Scholar)

Epifania, O. M., Robusto, E., & Anselmi, P. (2021). Rasch gone mixed: A mixed model approach to the Implicit Association Test. *TPM: Testing, Psychometrics, Methodology in Applied Psychology, 28*(4). doi: 10.4473/TPM28.4.5 (WoS, Scopus, Google Scholar)

Epifania, O.M., Anselmi, P., & Robusto, E., (2020). Implicit measures with reproducible results: The `implicitMeasures` package. *Journal of Open Source Software, 5*(52), 2394. doi: https://doi.org/10.21105/joss.02394 (Google Scholar)