

Edoardo Costantini

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Employment History

- 2019 – 📖 **Ph.D. Researcher**, Tilburg University.
- 2018 – 2019 📖 **Teaching Assistant**. Methodology and Statistics Department, School of Social and Behavioural Sciences, Tilburg University.

Education

- 2017 – 2019 📖 **Research Master** in Methodology and Statistics for Social and Behavioral Sciences.
University: *Tilburg University, Netherlands*
Grade: *Cum Laude (with honors)*
Thesis title: *Bayesian Hierarchical Modeling: A sensitivity analysis of prior distributions for the covariance matrix in hierarchical models*
- 2014 – 2017 📖 **Bachelor's degree** in Sociology.
University: *University of Trento, Italy*
Grade: *Cum Laude (with honors)*

Research Publications

Journal Articles

- 1 Costantini, E., Lang, K. M., Reeskens, T., & Sijtsma, K. (2022). High-dimensional imputation for the social sciences: A comparison of state-of-the-art methods. *arXiv preprint arXiv:2208.13656*.
- 2 Costantini, E., Lang, K. M., Sijtsma, K., & Reeskens, T. (2022). Solving the "many variables" problem in mice with principal component regression. *arXiv preprint arXiv:2206.15107*.

Skills

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| Data analysis | 📖 Multiple Imputation, regression analysis, principal component analysis, regression and classification trees, regularized regression, A/B testing |
| Coding and software tools | 📖 R, cluster computing, Git, Bash, Python, \LaTeX , SPSS |
| Web Dev | 📖 R Shiny, Hugo, R blogdown, css |
| Misc. | 📖 Academic research, teaching, consultation |
| Languages | 📖 Strong reading, writing, and speaking competencies in English and Italian |