

Edoardo Costantini

Personal information

Date of birth 16 October 1994
Nationality Italian
Address Schouwburging 77-25, Tilburg, the Netherlands
E-mail costantini.edoardo@yahoo.com
Personal website <https://edoardocostantini.github.io>



Experience

- 09/2019 - 12/2023 (expected) **Ph.D. researcher**, *Tilburg University*, Department of Methodology and Statistics
- **Research software development** — I developed an R package to estimate a special type of principal component analysis (*gspcr*). I contributed to the development of a variety of R packages in the field of social science (e.g., *mice*, *statcheck*). I developed numerous web applications to facilitate interaction with research results.
 - **Academic research** — I developed cutting-edge algorithms to address non-response bias in social surveys.
 - **Development of educational material** — I designed tutorials and study material for university students to practice and evaluate their computational and statistical skills. I developed a website to share accessible blog posts on statistical concepts (see the 'Digital garden' on my personal website).
 - **Frontal teaching** — I taught university master students how to program and perform complex data analyses in R. I recorded instructional videos to facilitate hybrid learning.
- 08/2018 - 06/2019 **Teaching assistant**, *Tilburg University*, Department of Methodology and Statistics
- I held **frontal lectures** and **computer laboratory sessions** for courses on:
- *Computational statistics* (master's level.)
 - *Statistics and methodology* (master's level.)
 - *Experimental research methods* (bachelor's level.)
- 03/2017 - 05/2017 **Research assistant**, *IRVAPP*, Trento, Italy
- Data cleaning for a public policy evaluation project.

Education

- 08/2017 - 08/2019 **Research master**, *Methodology and Statistics for Social and Behavioral Sciences*, Tilburg University, the Netherlands
Cum Laude (with honors)
- 09/2014 - 06/2017 **Bachelor's degree**, *Sociology*, University of Trento, Italy
Cum Laude (with honors)

Skills

Coding and software R, cluster computing, version controlling (Git), Bash, Python, \LaTeX , SPSS
Web development R Shiny, Hugo, R blogdown, CSS
Data analysis Multiple imputation, regression analysis, principal component analysis, regression and classification trees, regularized regression, A/B testing
English Full Professional working proficiency (TOEFL C1)
Italian Native speaker
Dutch Basic communication