Miguel Salema
University of Bern

▸ PhD Student
▸ Econometrics
▸ Computational Statistics

Contacts

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🏠 Website

🐙 GitHub

in LinkedIn

Tools

R   Pro.

LaTeX   Pro.

Quarto/RMarkdown   Pro.

Matlab   Inter.

SQL   Inter.

Summary

I am a PhD student and Teaching Assistant at the University of Bern, specializing in econometric methods. My research focuses on developing novel estimators and ensuring they are accessible to researchers worldwide. I currently serve as a Teaching Assistant for courses in Time-Series Analysis.

Experience

Teaching Assistant   2025-Present
University of Bern

Teaching Time-Series Econometrics at master's levels. (Details and syllabi.)

Teaching Assistant   2022-25
Católica-Lisbon SBE

Teach Econometrics at bachelor's and master's levels, prepare course materials, and handle grading. (Developed materials, details and syllabi.)

Research Fellow   2022-24
Center of Economics for Prosperity - Católica-Lisbon

Collaborate with faculty on projects funded by institutions like *La Caixa Foundation*, *Gulbenkian*, and *POAT*. Conduct policy analyses on topics such as electric mobility and public employment, often with government partners. Maintain and update key Portuguese microdata sets.

Education

PhD in Economics   2025-Present
University of Bern

Field: Econometrics. Supervisor: Blaise Melly. First-year program: Swiss Program for Beginning Doctoral Students in Economics (Gerzensee).

MSc in Economics, macroeconomic policy major   2020-22
Católica-Lisbon SBE

Master thesis: *Gelbach in Logit: A Covariate Decomposition for the Logit Model applied to the Minimum Wages Heterogeneous Impact*, advised by Prof. Pedro Raposo. Award: European Evaluation Society best master thesis, 2nd place (social media).

BSc in Economics   2017-20
ISCTE University Institute of Lisbon

Top Iscte Business School certificate. Economics Exchange Program at Gadjah Mada University, Indonesia, in 2019.

Publications and Projects

See my research page for a comprehensive list of projects.

- **Detailed Causal Decomposition (2025, Work in progress)**
  With Philipp Kets and Blaise Melly.

Languages

▸ Portuguese - native

▸ English - proficient

Interests

▸ Econometrics

▸ Statistics

▸ Data Science

▸ Data Visualization

▸ Politics

▸ Labour Economics

Hobbies

▸ Chess

▸ Three-cushion billiards

▸ Padel

▸ Board Games

Mind the Gap (2024, Working Paper)
- *How Coworkers Shape Team Composition*, with Prof. Joana Silva and Jaime Montana.

discordAR (2024, App and Article)
- *An App that Measures Political Proximity Between Portuguese Parties*, with Sebastião Fonte. App link, presentation, prize (Arquivo.pt); Media: público news piece, interview.

Renting in Portugal Became Unaffordable (2024, Article)
- Analysis in Portuguese (article); graphs replicated by *Expresso*, and a radio interview on *Renascença*.

The Decrease of Teachers' Wages (2024, Article)
- With Mafalda Gouveia. Published by *Observador*.

R packages
Creator and Maintainer

peerest (peer effects estimators), politicR (politics data tools), QPanalyseR (Quarto pipelines), QPcleaneR (Cleaning Quadros de Pessoal), decomp (logit decomposition methods), ptmap (mapping Portugal).

Other Experience

Magician   `2014-20`
Freelancer

Performed as a freelance magician at various events: city theaters, weddings, schools, and private gatherings. Volunteered shows at hospitals, prisons, and other community institutions.

Economics Student Panel   `2018-20`
Oxford University Press

Review OUP publications in Economics.

Tutor of Economics and Philosophy   `2018-20`
Know More Benfica

Preparing high-school students for the national exams.