JULIAN **STREYCZEK**

PhD Candidate in Economics

Contact

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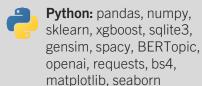○ JulianStreyczek
in julian-streyczek

Skills

Causal inference: Difference-in-differences, regression discontinuity, instrumental variables, causal forests, DML, matching, duration analysis, censoring, bootstrapping

ML: Random forests, boosting, penalization, cross-validation, hyper-parameter tuning, optimization, clustering, transformers, dimensionality reduction

Other: Cloud computing, APIs, prompt engineering, natural language processing, web scraping, embeddings, parallelization

Coding

Python: pandas, numpy, sklearn, xgboost, sqlite3, gensim, spacy, BERTopic, openai, requests, bs4, matplotlib, seaborn

R: tidyverse, dplyr, rvest, sf, fixest, mlr3, ggplot2

Tools: GitHub, PyCharm, Slurm, BigQuery, MTurk

Other: SQL, Git, Stata, Matlab, LaTeX, Julia, Docker, HTML, CSS

Languages

- **German** (native)
- **English** (fluent)
- **Italian** (basic)

Education

PhD Economics, Bocconi University, Italy — Sep 2020 - Jan 2026
- *Thesis:* Reduced-form causal inference on observational data
  - Used staggered diff-in-diff to show that paywalls on US newspapers reduced political informedness and participation in elections
  - Developed a novel peers-based instrument for Twitter usage among scientists to show effects on productivity, networks, and research topics
  - Managed and coordinated research assistants
- *Advisors:* Guido Tabellini, Carlo Schwarz, Luca Braghieri
- *Awards:* German Academic Scholarship Foundation, Bocconi PhD Merit Scholarship, Invernizzi Scholarships

Visiting Fellow, Harvard University, United States — Jan - May 2025
- *Host:* Jim Snyder

MSc Economics, Mannheim University, Germany — 2018 - 2020
- *Thesis:* Developed a regression discontinuity estimator that selects among high-dimensional covariates via Lasso
- *Grade:* 1.0 / 5.0 with distinction

BSc Economics, Mannheim University, Germany — 2014 - 2018
- *Thesis:* Clustered Play Store apps by textual descriptions to show inverse-u relationship between competition and innovation
- *Grade:* 1.4 / 5.0 (top 10%)

Abitur, Internatsschule Schloss Hansenberg, Germany — 2014
- Skipped grades 3 and 9 within programs for gifted students

Work Experience

Research & Teaching assistant, Bocconi University, Italy
- *Research:* Data cleaning and regression discontinuity analyses on large administrative data — 2022
- *Teaching:* In-class teaching, student assistance, and exam correction for Political Economy (Graduate), Microeconomics (Undergraduate) — since 2021

Research assistant, ZEW — Leibniz Institute for European Economic Research, Germany — 2018 - 2019
- Data cleaning, structuring, visualization, analysis, and presentation in R and Stata for research papers about competition on online booking platforms and app stores

Consulting Intern, EY Innovalue, Germany — 2018
- Conducted market analysis and engaged with client to support strategic decisions of payment technology provider
- Optimized credit card contracts for international bank

Other

- Violinist at University Orchestra Mannheim — 2015 - 2019
- Member & Elected Representative at Student Union Economics, University of Mannheim — 2014 - 2019
- Certified skiing instructor — 2015 - 2017