

JULIAN STREYCZEK

PhD Candidate in Economics

Contact

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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)

J. Streyczek

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