Samuel J. Boysel

Contact

Email: boysel@usc.edu
Phone: 805.729.5803
Website: https://sboysel.github.io

Education

University Southern California — 2017 - present
Ph.D. Economics

Tufts University — 2014 - 2016
M.S. Economics

University of California, Los Angeles — 2009 - 2013
B.A. Economics, *cum laude*

Honors and Awards

- Daniel and Mary James Fellowship (USC 2018 - 2020)
- Union Bank Fellowship (USC 2017 - 2018)
- Linda Datcher Loury Award in Economics for outstanding master's thesis (Tufts 2016)
- Department of Economics Graduate Research Fellowship (Tufts 2015 - 2016)

Experience

University of Southern California — Los Angeles, CA
Teaching Assistant — August 2018 - December 2018

- Served as a TA for introductory macroeconomics course.
- Responsibilities include leading discussion sections, drafting and grading assignments and exams, and assisting students with understanding course material.

City of Los Angeles — Los Angeles, CA
Research Assistant — November 2018 - April 2019

- Consulted with the Department of Finance to build tax revenue forecasting model for the purposes of departmental budget planning.
- Used time series econometrics, forecasting methods, and machine learning techniques to develop a model with an emphasis on flexibility and accuracy.

University of Chicago — Somerville, MA
Lead Research Assistant — April 2016 - August 2017

- Managed a team of 11 research assistants to build a dataset on traditional gender roles in sub-Saharan Africa.
- Additional duties included developing analytical code, documentation, project website, and interactive data visualizations.

Tufts University — Somerville, MA
Research Assistant — May 2015 - August 2017

- Assisted Professor Sahar Parsa with various research project in development economics. Tasked with data processing, analysis, and visualization.

Teaching Assistant — August 2014 - May 2016

- Served as a teaching assistant for an undergraduate statistics course and graduate math camp.

Novacoast, Inc. — Santa Barbara, CA
Remote Managed Services Engineer — January 2014 - August 2014

- Provided IT support to internal and external customers. Regular duties included general troubleshooting, equipment management, and routine server administration.

TECHNICAL

- **Languages:** R (fluent), Python (working knowledge), Julia (working knowledge)
- **Software:** Linux / Unix operating systems (15 years experience), Git / Github (6 years experience), GIS, Stata, SQL, GNU Make, LaTeX, knitr, Markdown, Docker, software development principles
- **Community engagement:** GitHub Profile, StackExchange Network Profile
- **Other:** Econometric analysis, social network analysis, spatial data processing, reproducible research

PROJECTS

- Female Political Participation in Sub-Saharan Africa project website and data visualization applications
- `fredr`: R client for the FRED API
- `boysel`: R package that collecting miscellaneous utility functions

RELEVANT
COURSEWORK

Calculus I-III	Linear Algebra	Real Analysis
Differential Equations	Microeconomics	Macroeconomics
Machine Learning & Data Mining	Statistics	Econometrics
Industrial Organization	Environmental Policy	International Trade