

Joshua Weimer

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Education

University of California San Diego (UCSD)

B.S. POLITICAL SCIENCE / DATA ANALYTICS

[La Jolla, California](#)

July 2018 - June 2022

- Courses - Machine Learning, Statistical Text Analysis, Data Analytics of National Security, Game Theory, Econometrics, Calculus III
- Leadership - UCSD Triathlon Vice President, Recreation Leadership Council - Aquatics Delegate

Work Experience

UCSD Data & GIS Lab

R SHINY DEVELOPER, LAB ASSISTANT

[La Jolla, CA](#)

Jan 2022 - Sept 2022

- Developed [web app](#) which automates the cleaning and visualization of service statistics data used by 50 librarians
- Developed [web app](#) to automate external reporting of service statistics to national library bodies
- Created Jupyter notebook walkthroughs of Library APIs
- Implemented PowerBI dashboards to track Lab hardware and software usage

UCSD Political Science Department

RESEARCH ASSISTANT

[La Jolla, CA](#)

Feb 2022 - June 2022

- Assisted Professor Gareth Nellis with research project analyzing effects of election cycles on religious discrimination
- Cleaned and wrangled data from over 50 surveys to compile religious discrimination database with over 2 million observations
- Performed code review to ensure the accuracy of peers' wrangling and analysis

UCSD Canyonview Aquatic Center

LIFEGUARD

[La Jolla, CA](#)

July 2019 - October 2021

- Rescued two active drowning victims
- Maintained Lifeguard, AED, CPR and First Aid certifications

Research & Data Projects

Analyzing U.S. Occupation of Afghanistan

RESEARCHER

[La Jolla, CA](#)

Oct 2021 - June 2022

- Determined that U.S. intervention had no statistically significant effect on Afghan quality of life outcomes
- Utilized synthetic control methodology to construct counterfactual observations of Afghan infant mortality rates and HDI scores
- Aggregated data from World Bank API, CNTS Data Archive, U.N. Millennium Indicators, UCDP/PRIO Armed Conflict Dataset

lichess.org Dashboard

SHINY DEVELOPER

- Developed and deployed [Shiny web app](#) which creates actionable insights based on a user's chess games
- Integrates lichess API for data collection and aggregates statistics from raw game data

POLI 175 Machine Learning

STUDENT

- Applied Lasso, Ridge and Logistic regression machine learning models to predict recidivism based on past criminal history
- Applied sentiment analysis to determine sentiment differences between political parties in Hillary Clinton's declassified emails

Extracurricular Activity

World Cube Association

RUBIK'S CUBE COMPETITION ORGANIZER, COMPETITOR

- Organized competitions for the World Cube Association
- Achieved 11th in the world ranking for Rubik's Cube Blindfolded
- Started a YouTube channel to teach advanced techniques for solving Rubik's cubes blindfolded (120,000+ video views)

UCSD Triathlon

VICE PRESIDENT, MEMBER

[San Diego, CA](#)

Sept 2018 - May 2020

- Assisted in planning and hosting Tritonman Triathlon earning over \$30,000 in revenue

Skills

- R (tidyverse, Shiny), Python, Excel, GitHub, GIS (ArcMap, ArcGIS)