

Joshua Weimer

STUDENT | DATA ANALYST

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Education

University of California San Diego (UCSD)

B.S. POLITICAL SCIENCE / DATA ANALYTICS

[La Jolla, California](#)

Expected 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 - Present

- 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
- Assisted students and UCSD researchers with finding data-sets, use of data analysis languages and software

UCSD Political Science Department

RESEARCH ASSISTANT

[La Jolla, CA](#)

Feb 2022 - Present

- Assisted Professor Gareth Nellis with research project analyzing effects of election cycles on religious discrimination
- Cleaned, reshaped, and merged data-sets using R in order to standardize data across multi-decade, multi-national surveys

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 - Present

- 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

DATA SCIENTIST

- Built 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](#)

September 2018 - May 2020

- Assisted in planning and hosting Tritonman Triathlon earning over \$30,000 in revenue
- Organized team practices, trips, and allocated team budget

Skills

- R (tidyverse, Shiny), Python, Excel, GitHub