Joshua Weimer
STUDENT | DATA ANALYST

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Education

University of California San Diego (UCSD)   *La Jolla, California*
B.S. POLITICAL SCIENCE / DATA ANALYTICS   *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   *La Jolla, CA*
R SHINY DEVELOPER, LAB ASSISTANT   *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   *La Jolla, CA*
RESEARCH ASSISTANT   *Feb 2022 - Present*
- 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   *La Jolla, CA*
LIFEGUARD   *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   *La Jolla, CA*
RESEARCHER   *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
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   *San Diego, CA*
VICE PRESIDENT, MEMBER   *September 2018 - May 2020*
- Assisted in planning and hosting Tritonman Triathlon earning over $30,000 in revenue

Skills

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