Joshua Weimer

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Education

University of California San Diego (UCSD)   *La Jolla, California*
B.S. POLITICAL SCIENCE / DATA ANALYTICS   *July 2018 - June 2022*

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

Work Experience

TheMathCompany   *Bethesda, MD*
DATA ANALYST   *Jan 2023 - Present*

- Created lift models in python to guide promotional campaigns decision-making resulting in a 23% increase in campaign revenue.
- Worked with Azure Databricks and MLFlow to register predictive models.
- Communicated results and insights to senior management and other stakeholders through visualizations and presentations

UCSD Data & GIS Lab   *La Jolla, CA*
WEB APP DEVELOPER, LAB ASSISTANT   *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   *La Jolla, CA*
RESEARCH ASSISTANT   *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   *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 - 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

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)

Skills

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