

# Sharif Amlani

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## EDUCATION

### UC DAVIS

#### PH.D. POLITICAL SCIENCE

October 2022 (Expected) | Davis, CA  
American Politics | Congress | Elections  
Money In Politics | Vote-By-Mail Policy

### UNIVERSITY OF NEW MEXICO

#### B.A. POLITICAL SCIENCE

December 2015 | Albuquerque, NM  
*Summa Cum Laude*

## LINKS

Github:// [sharifamlani](#)

LinkedIn:// [sharifamlani](#)

Twitter:// [@SharifAmlani](#)

Stack Overflow:// [Sharif Amlani](#)

## SKILLS

### PROGRAMMING

Advanced | Instructor  
R

Intermediate

Python • Excel • Qualtrics

Familiar:

STATA • MySQL

### METHODOLOGY

OLS & MLE • Database Management •  
Social Network Analysis • Causal  
Inference • Experimental Methods •  
Survey Methodology • Machine Learning  
• Duration Modeling

## COURSEWORK

### GRADUATE

R

Python

STATA

Ordinary Least Squares

Maximum Likelihood Estimation

Research Methodology

Research Practicum

Probability Theory

Causal Inference (Introduction)

Causal Inference (Experiments, Matching,  
DID)

Causal Inference (RDD, Ridge Regression)

Social Network Analysis (Beginners)

Social Network Analysis (Advanced)

Machine Learning

Experimental Methods

## SKILLS & EXPERIENCE

### DATA COLLECTION & CLEANING

- Compiled presidential, senatorial, and gubernatorial **county-level election returns** from 1872 to 2020.
- Created, administered, collected, and cleaned data from two surveys through **Qualtrics** on **political partisanship** (N = 2.3K) and **COVID-19** (N = 4.3K)
- Organized and aggregated **campaign finance contributions** records from 13 million records.
- Used Python to **webscrape** data on California ballot proposition campaigns, state legislators, election data, news articles from LexisNexis, and party coalitions online.
- Administered a conjoint experiment.
- Compiled California's ballot proposition committees, donors and contributions from DIME dataset and Secretary of State's website.

### DATA ANALYSIS

- Proficient in **OLS & MLE**.
- Used a **difference-in-difference** design to investigate whether making voting by mail easier increased turnout and affected presidential vote shares in the 2020 election.
- Used **social network analysis** to examine U.S. House cosponsorship networks and campaign finance multiplex networks.
- Displayed descriptive evidence on **egocentric COVID-19 vaccine discussion networks**.
- Derived **novel measures** of ideological placement between members, their constituents and their donors.
- Leveraged exogenous shocks to analyze **causal effects** of money on House members behavior.
- **Imputed missing data** using Machine Learning & MICE.
- Experience working with text data (sentiment and emotion analysis), including survey respondents' **one-word and open-ended data**.
- Used **Bayesian Aldrich-McKelvey Scaling** to place multiple political parties and respondents onto a unidimensional scale.

### DATA VISUALIZATION

- Proficient in **ggplot2**, where I can make histograms, scatterplots, point-ranges, maps, etc. My figures are featured in various publications and on my **website**.

### DATA EXPLANATION & CURATION

- R mentor for political science undergraduate honors students (2 years).
- Instructor for UC Center Sacramento's R Workshop (5 times).
- Presented quantitative research at **UC Davis, MPSA Annual Conference, & WPSA Annual Conference**.

## WORK EXPERIENCE

Current Graduate Student Researcher | UC Center Sacramento

2014 Intern | U.S. Representative Michelle Lujan Grisham

2013 Intern | U.S. Senator Martin Heinrich

2012 Intern | U.S. Representative Martin Heinrich

2011 Intern | U.S. Representative Martin Heinrich

## PUBLICATIONS

1. **Amlani, Sharif,** and S Kiesel. "How much do vaccinated Americans dislike the unvaccinated? We measured." *Washington Post*, January 27, 2022.
2. **Amlani, Sharif,** R Butters, and S Kiesel. "Analysis | With Nearly 800,000 U.S. Covid Deaths, What's Keeping People from Getting Vaccinated? Their Own Social Circles." *Washington Post*, December 14, 2021.
3. **Amlani, Sharif** & Samuel Collitt (2021). "The Impact of Vote-By-Mail Policy on Turnout and Vote Share in the 2020 Election." *Election Law Journal*.
4. **Amlani, Sharif** & Carlos Algara. "Partisanship & Nationalization in American Elections: Evidence from Presidential, Senatorial, & Gubernatorial Elections in the U.S. Counties, 1872-2020." *Electoral Studies* 73 (October 1, 2021): 102387.