Isabella Mullen

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LINKS

- LinkedIn
- GitHub

PROFILE

Isabella Mullen is a master's student in Computational Social Science at U.C. San Diego. Her research focuses on developing innovative methodologies for ideal-point estimation in political science. Utilizing deep neural networks and normalizing flow models, Isabella integrates non-tabular and tabular data to map political positions into a low-dimensional latent space, advancing the precision and depth of political discourse analysis. She is passionate about taking an interdisciplinary and human-centered approach to data science.

EDUCATION

Masters of Science, University of California San Diego   Jul 2024 — Present

- Current Courses:
    - Statistical Computing and Inference from Data I
    - Introduction to Deep Learning and Neural Networks
    - Introduction to Computational Social Science
    - GIS & Spatial Data Analysis

Bachelor of Arts, University of California Los Angeles   Sep 2016 — Jun 2020

- Majored in Political Science (concentration in race and ethnicity studies) and Gender Studies.

EMPLOYMENT HISTORY

Executive Board Member, Habonim Dror Camp Gilboa   Jan 2024 — Present

- Responsible for designing accurate financial reports, reviewing and aligning budgets with organizational goals, and recommending financial guidelines to ensure cash flow and strategic investment protocols.
- Oversees long-term site maintenance needs, developing financial plans for upkeep, and supporting staff with implementation of facilities projects.

Research Associate, Los Angeles Regional Food Bank   Mar 2022 — Jun 2024

- Conducted in-depth research on food insecurity, federal food programs, and food-related legislation.
- Utilized Tableau and ArcGIS to develop interactive maps and dashboards using public and food bank data.
- Engaged in direct advocacy with elected officials to support food programs and amplify food benefits.
- Designed, administered, and analyzed survey data to inform strategic initiatives.

Social Media Manager and Podcast Producer, Jack Frost Body Powder   Nov 2020 — Jun 2021

- Managed daily social media content creation and scheduling for a product startup.
- Held executive producer responsibilities for a weekly podcast, including production oversight, guest coordination, scheduling, marketing material design, and audio editing.

UCLA Political Science Researcher   Apr 2018 — Jan 2020

- Collected data and wrote a research paper about the political behavior of mixed-race Americans.
- Analyzed survey data using R-Studio and conducted 13 in-person interviews.
- Presented research paper at the Western Political Science Association 2020 Conference.

Legislative Intern, The D.C. Office of Congressmember Karen Bass   Sep 2019 — Dec 2019

- Provided daily support to legislative staff, utilizing programs like IQ to organize and catalog constituent correspondence, including phone calls and mail.
- Drafted outgoing response letters to constituents, ensuring timely and accurate communication.
- Conducted research for legislative staff and assisted the communications team with tasks such as video editing, website troubleshooting, and collecting earned media content.

Workplace Student, The Scottish Youth Parliament   Sep 2018 — Dec 2018

- Spearheaded various research and writing initiatives.
- Enhanced office productivity and capacity and collaborated effectively within a professional team.
- Organized and ran a conference for 200 people.

SKILLS

- Python
- Julia
- Tableau
- HTML
- ArcGIS and QGIS
- SQL
- Microsoft Office Suite
- Bash
- Adobe Illustrator
- Git
- Final Cut Pro
- Qualtrics
- Jupyter Notebooks
- js-Psych
- R
- Survey Monkey