Laura Moses

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Researcher and Ph.D. in quantitative social science and 7 years of experience in research design, project management, public policy, data science, and machine learning innovation. Thoughtful and inclusive leader of interdisciplinary projects, public engagement and communication.

SKILLS

Technical Natural Language Processing · Machine Learning and Pattern Recognition · Spatiotemporal Modeling · Causal Inference · Bayesian Inference · Time Series Analysis · Network Inference · Experiment Design

Programming & Software: Python · Statistical Analysis Libraries (Numpy, Scipy, SciKit-Learn, TensorFlow Probability)· SQL · R · Stata · Bash · LaTeX· STAN · Web Scraping

Research & Management Research Team Leadership · Interdisciplinary Collaboration · Undergraduate Mentorship · Policy Design and Implementation · Program Evaluation · Financial Administration · Management in Public and Nonprofit Organizations

RELEVANT EXPERIENCE

RESEARCH ASSOCIATE Department of Political Science | Ohio State University 2017 -present

Project: Political Elites and The Public Sphere Online
- Led and mentored research projects in computational social science with faculty, junior graduate students, and undergraduate research assistants.
- Created Python, R functions, and packages to analyze network and communication data and interact with APIs.
- Constructed original datasets, including a dataset of over 100,000 political elites' social media accounts and elite interviews with interest groups.
- Crafted technical reports, manuscripts for conference presentations, publications, and white papers.
- Designed novel network inference techniques that utilize text data to understand agent interactions.

Project: Open Data and Political Narratives
- Established a multiple-year technical project plan for and led analysis with an interdisciplinary, multi-university research team and outside partnerships including LexisNexis and Google Cloud Academic Research.
- Technical research leadership for a team of 7 computer science and math research assistants
- Created datasets of congressional speech networks based on 80 years of congressional records and original data to analyze presidential pardon patterns and policies.

FELLOW Institute of Democratic Engagement & Accountability | Ohio State University 2017-present
- Designed impact evaluation strategies, conducted legislative research and developed policy recommendations and materials engagement between Members of Congress and their constituents.
- Organized and planned in-person demonstrations of research for government officials, academics, and private industry affiliates.
- Co-authored white papers and analyzed deliberation session outcomes and research team.
- Participated in the coordination of government and institute collaborations.

SCHOLAR Program in Statistics and Methodology   Senior Scholar (2021 - 2022); Junior Scholar (2019-2020) | Ohio State University

- Consulted on research projects and methodological challenges with faculty and senior graduate students focusing on research design, statistical analysis, model interpretation, and data visualization.
- Taught workshops for Social and Behavioral Sciences on specific quantitative methods, including text processing, web scraping, and using high-performance computing resources.
- Supported faculty adoption and implementation of Python software for courses and research.
- Organized external speaker series and workshops.

RESEARCH CONSULTANT Abdul Latif Jameel Poverty Action Lab   2017 | Massachusetts Institute of Technology

- Research assistant for program evaluation analysis and drafting policy papers.
- Identified outcomes on universal basic income studies and compiled findings through archival research.
- Conducted initial statistical investigation of mobile money experiments from field studies.

ADDITIONAL EXPERIENCE

- Administration Executive, 2013-2016 | Massachusetts Institute of Technology
- Computer Science Instructor of Record, 2012-2013 | Ohio State University

EDUCATION

The Ohio State University Ph.D., Political Science August 2023, (expected) *OSU Presidential Fellowship recipient*
Brown University M.P.A., Public Administration, 2017 *Data-Driven Policy Concentration*
The Ohio State University B.A., History, 2012 B.A., Music, 2012 *with honors and research distinctions*