

Neil B. Lund

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Areas of specialization

Machine Learning • Text Analysis • Causal Inference • Data Science

Teaching History

Fall 2023	<i>Advanced Topics in Coding for Political Analysis</i>
Fall 2023	<i>Researching contentious politics</i>
Fall 2023	<i>Politics of Europe and the European Union</i>
Winter 2022	<i>Field Experiments and causal inference for Political Science</i>
Fall 2015, Summer 2016, Spring 2018	<i>Scope and Methods for Political Science Research</i>
Fall 2017	<i>Introduction to Ancient and Modern Political Philosophy</i>
Spring 2018	<i>Political Polarization</i>
Fall 2018	<i>Introduction to American Politics</i>

Professional Experience

August 2023 - present	Instructor/Advisor: Applied Political Analytics (APAN): University of Maryland
November 2022 - present	Consultant Shirley Procter Puller Foundation
August 2019 -August 2023	Business Intelligence Analyst University of Maryland Global Campus

Research Experience

May 2016- Dec 2016	Research Assistant - Analysis of social media activity and protest events in Ferguson Missouri. Principal Investigator: Antoine Banks (contact) <ul style="list-style-type: none">• Responsible for data management, analysis and visualization of a database of over 14 million Tweets related to Ferguson protests.• Constructed supervised and dictionary based classifiers to detect emotional expressions in Tweets over time and linked them to specific events• Supervised undergraduate data collection and coding
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- Aug 2017 **Research Assistant** Study on repression and Protest
Principal Investigator: Katherine Sawyer ([contact](#))
- Created a Python-based bargaining experiment to study risk tolerance in undergraduate students
 - Recruited participants, supervised experimental lab, and managed database of results.
- Feb 2016-Aug 2016 **Research Assistant** - International Crisis Behavior database
Principal Investigator: Jonathan Wilkenfeld ([contact](#))
- Coordinated with a small team of researchers to collect data on interstate military crises
 - Composed research briefs on potential crisis events.
 - Participated in development, testing, and use of a machine learning system for coding crisis reports.
- Feb 2013-Dec 2014 **Research Assistant** - Structure and participation in violent political organizations
Principal Investigator: Kanisha Bond ([contact](#))
- Analyzed press reports, government documents, and primary source materials to assess the structure of violent political organizations in the United States and Latin America.

Writing and Conference Presentations

McNally, Darragh, Allison Patch, and Neil Lund (2021) "First Term Experience in an Online Environment" Presented at the *Association for Institutional Research Virtual Forum*, May 13

Lund, Neil, Andrew Lugg and Todd Allee (2019) "The Supervised Author Topic Model: Measuring State Influence in International Treaties." Paper Presented at the *Annual Meeting of the International Studies Association*, Baltimore, MD February 22 - 25

Arves, Steve, Joe Braun and Neil Lund (2016) "Media Framing and Political Ideology in the Zika Crisis". Paper Presented at the *American Political Science Association Annual Meeting and Exhibition*, Philadelphia, PA, September 1 - 4

Lund, Neil (2015) "Social media and protest in Ferguson" Presentation for *Twitting StateCrimes: Ayotzinapa, Nisman, and Ferguson in Social Media*. University of Maryland, College Park May

Bond, Kanisha, Neil Lund (2014) *Authoritarian Attitudes and the Emergence of the U.S. Tea Party*. Paper Presented at Annual Conference of the Midwest Political Science Association, Chicago, IL, April 3 - 6

Skills

Methodological Specializations: Machine learning, Data visualization, Causal Inference, Natural Language Processing

Software: Stata, SPSS, Mongo DB, Tableau, Azure

Languages: R, Python, C++, SQL

Education

Master's Degree in Government and Politics University of Maryland, College Park
Bachelor's of Science in Political Science at Middle Tennessee State University