Michael Burnham

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Academic Appointments	**Princeton University** Postdoctoral Researcher, 2024
Education	**Pennsylvania State University** Ph.D. (Dual Title), Political Science & Social Data Analytics, 2024. M.A., American Politics, 2022 **Georgetown University** M.A., International Relations, 2015. **Utah State University** B.A., Economics & International Relations, 2013.

Articles

Burnham, Michael. "Stance Detection: A Practical Guide to Classifying Political Beliefs in Text" *Political Science Research and Methods* (2024).

Burnham, Michael. "What is Sentiment Meant to Mean to Language Models?" *Accepted at Research and Politics* (2024)

Block Jr, Ray, Michael Burnham, Kayla Kahn, Rachel Peng, Jeremy Seeman, and Christopher Seto. "Perceived risk, political polarization, and the willingness to follow COVID-19 mitigation guidelines." *Social Science & Medicine* 305 (2022): 115091.

Ackerman, Gary A., and Michael Burnham. "Towards a definition of terrorist ideology." *Terrorism and Political Violence* 33, no. 6 (2021): 1160-1190.

Book Chapters

Burnham, Michael, and Michael J. Nelson. "Judicial Elections and Judicial Behavior." In *Oxford Handbook of Comparative Political Behavior.* Oxford University Press, 2023

Working Papers

Burnham, Michael, Kayla Kahn, Rachel Peng, Ryan Wang. "Political DEBATE: Efficient Zero-shot and Few-shot Classifiers for Political Text." *Revise & Resubmit*

Burnham, Michael. "Semantic Scaling: Bayesian Ideal Point Estimates with Large Language Models." *arXiv Pre-print: 2405.02472*

Burnham, Michael "Does Affect Affect Legislative Effectiveness?"

Software

Entss: Entailment Classification and Semantic Scaling.
Stance detection with transformers and ideal point estimates with Bayesian IRT.

Conferences	**APSA Annual Meeting** Panelist: 2024
	State Politics and Policy Poster presenter: 2024
	PolMeth Poster presenter: 2023, 2022
	New Directions in Analyzing Text as Data Poster Presenter: 2021
	International Studies Association Panelist: 2016, 2014
Research Positions	**Political Science, Pennsylvania State University** Research Assistant, Michael J. Nelson Graduate Research Fellow, The Center for Social Data Analytics Research Assistant, Kevin Munger Research Assistant, Eric Plutzer
	START Researcher, Terrorist Ideology Project
Teaching	**Political Science, Pennsylvania State University** Instructor, Social Data Analytics Capstone Course, Spring 2023 Instructor, Math for Political Science Workshop, Summer 2023 Instructor, R for Political Science Workshop, Summer 2022 Teaching Assistant, Introduction to American Politics, Fall 2019 Teaching Assistant, Quantitative Political Analysis, Fall 2022 Teaching Assistant, Political Methodology Graduate Seminar, Fall 2022
	ICPSR Summer Program in Quantitative Methods Guest Lecturer, Ideological Scaling with Large Language Models, 2023
Service	**Georgetown Security Studies Review** Editor in Chief, 2014-2015
Professional Experience	**Deloitte** *Data Scientist, Pentagon, Arlington, Va, 2017-2019*
	ANSER *Analyst, Arlington, Va, 2016-2017*

Awards
Outstanding Political Science Graduate Student
Penn State, 2023

Superior Teaching and Research Award
Penn State, 2023

Georgetown Security Studies Program Merit Scholarship
Georgetown University, 2013-2015

Undergraduate Teaching Fellow of the Year
USU Huntsman School of Business, 2013

Languages
and Skills
English (native), Ukrainian (conversational), Russian (will lapse into Ukrainian)
Python, R, Stata, LaTeX, Git, HTML5, CSS

References
Michael Nelson: mjn15@psu.edu
Bruce Desmarais: bdesmarais@psu.edu
Suzie Linn: sld8@psu.edu