

Princeton University
Department of Politics
315 Fisher Hall

Tyler Simko

732-406-3372
tsimko@umich.edu
tylersimko.com

ACADEMIC POSITIONS

Princeton University

- **Postdoctoral Research Associate** (2024-2025), Department of Politics

EDUCATION

Harvard University

- **Ph.D. in Government** (2024)
 - *Dissertation*: “Geographic Policy Evaluation in US State and Local Politics”
 - *Fields*: American Politics, Quantitative Methods
 - *Committee*: Kosuke Imai (chair), Stephen Ansolabehere, Martin West, Justin de Benedictis-Kessner
- **Affiliations:**
 - The Algorithm-Assisted Redistricting Methodology Project, ([ALARM](#))
 - Center for American Political Studies ([CAPS](#))
 - Program in Education Policy & Governance ([PEPG](#), Harvard Kennedy School)
 - Harvard Mellon Urban Initiative Fellow 2023-2024 ([HMIU](#), Harvard Kennedy School)

Princeton University

- **A.B. in Politics** (2018)
 - *Fields*: American Politics & Quantitative Analysis
 - *Certificates*: Statistics & Machine Learning
- **Streicker Fellow** (2017): The University of Tokyo

PUBLISHED RESEARCH

1. “Measuring Conflict in Local Politics,” with Mirya Holman and Rebecca Johnson. [Urban Affairs Review](#). **2025**.
 - **Award**: APSA 2024-25 Best Paper in Education Politics and Policy
 - **Award**: APSA 2024-25 Best Paper in Urban and Local Politics, Honorable Mention
 - **Coverage**: [EducationWeek](#)
2. “City-Defined Neighborhood Boundaries in the United States” with Stephen Ansolabehere, Jacob R. Brown, Ryan D. Enos, Ben Shair, and David Sutton. [Nature: Scientific Data](#) 12, no. 1: 1-8. **2025**.
3. “A community-driven optimization framework for redrawing school attendance boundaries,” with Hongzhao Guan, Paul Riggins, Jasmine Mangat, Cassandra Moe, Urooj Haider, Frank Pantano, Effie McMillian, Genevieve Siegel-Hawley, Pascal Van Hentenryck, and Nabeel Gillani. Forthcoming in the *2025 ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization* (EAAMO). **2025**.
4. “Contextual Stochastic Optimization for School Desegregation Policymaking,” with Hongzhao Guan, Nabeel Gillani, Jasmine Mangat, and Pascal Van Hentenryck. [Proceedings of the 2025 AAAI Conference on Artificial Intelligence](#) (AAAI). **2025**
5. “A summer bridge program for first-generation low-income students stretches academic ambitions with no adverse impacts on first-year GPA,” with Rebecca Johnson and Kosuke Imai. [PNAS](#), 121 (50) e2404924121. **2024**

6. "The Promise of Text, Audio, and Video Data for the Study of US Local Politics and Federalism," with Soubhik Barari. [Publius: The Journal of Federalism](#), pjae046. **2024**.
7. "School desegregation by redrawing district boundaries." [Nature: Scientific Reports](#) 14, 22097. **2024**
 - **Award:** MPSA 2024 Robert H. Durr Award, for "the best paper applying quantitative methods to a substantive problem."
 - **Coverage:** [Harvard University Graduate School of Arts & Sciences](#)
8. "Evaluating bias and noise induced by the U.S. Census Bureau's privacy protection methods" with Christopher T. Kenny, Cory McCartan, Shiro Kuriwaki, and Kosuke Imai. [Science Advances](#), Vol. 10, eadl2524. **2024**
 - **Coverage:** [Science Insider](#), [Election Law Blog](#)
9. "How academics and policymakers can collaborate effectively: Lessons from using behavioral science to improve U.S. federal government policies" with members of The Office of Evaluation Sciences. [Behavioral Science & Policy](#). **2024**
 - with Shibeal O'Flaherty, Lizzie Martin, Syon Bhanot, Crystal Hall, Sebastian Gilke, and Mary Steffel.
10. "Census officials must constructively engage with independent evaluations" with Christopher T. Kenny, Cory McCartan, and Kosuke Imai. [PNAS](#), 121 (11) e2321196121. **2024**
 - Response to [Jarmin et al. \(2023\)](#)
11. "Making Differential Privacy Work for Census Data Users" with Cory McCartan and Kosuke Imai. [Harvard Data Science Review](#), 5(4). **2023**
12. "Widespread partisan gerrymandering mostly cancels nationally, but reduces electoral competition" with Christopher T. Kenny, Cory McCartan, Shiro Kuriwaki, and Kosuke Imai. [PNAS](#), 120 (25) e2217322120. **2023**
 - **Coverage:** [Yale Institution for Social and Policy Studies](#)
13. "Researchers need better access to US Census data" with Cory McCartan and Kosuke Imai. [Science](#) 380, no. 6648, 902-903. **2023**
14. "LocalView, a database of public meetings for the study of local politics and policy-making in the United States" with Soubhik Barari. [Nature: Scientific Data](#) 10, no. 1, 135. **2023**
 - **Project website:** [LocalView.net](#)
 - **Coverage:** [Nature Social & Behavioral Sciences Blog](#).
15. "The Essential Role of Policy Evaluation for the 2020 Census Disclosure Avoidance System" with Christopher T. Kenny, Shiro Kuriwaki, Cory McCartan, Evan T.R. Rosenman, and Kosuke Imai. [Harvard Data Science Review](#), Special Issue 2. **2023**
16. "Simulated redistricting plans for the analysis and evaluation of redistricting in the United States" with Cory McCartan, Christopher T. Kenny, George Garcia III, Kevin Wang, Melissa Wu, Shiro Kuriwaki, and Kosuke Imai. [Nature: Scientific Data](#) 9, no. 1, 689. **2022**
 - **Coverage:** [Brennan Center](#), "How Gerrymandering Tilts the 2024 Race for the House."
17. "The Use of Differential Privacy for Census Data and its Impact on Redistricting: The Case of the 2020 U.S. Census" with Christopher T. Kenny, Shiro Kuriwaki, Cory McCartan, Evan T.R. Rosenman, and Kosuke Imai. [Science Advances](#), Vol. 7, eabk3283. **2021**
 - **Selected Media Coverage:** [Associated Press](#), [The Washington Post](#), [San Francisco Chronicle](#), etc.
 - Originally submitted as a public comment to the US Census Bureau (5/28/2021)
18. "Presidential Patronage and Executive Branch Appointments, 1925–1959" with Jon Rogowski. [Presidential Studies Quarterly](#) 52, no. 1: 38-59. **2022**

WORKING PAPERS

1. "Tabling Debates: How Local Officials Use Agenda Control to Stifle Conflict," with Mirya Holman. [Draft](#).
2. "Redistricting Reforms Reduce Gerrymandering by Constraining Partisan Actors," with Christopher T. Kenny, Cory McCartan, Emma Ebowe, Michael Y. Zhao, and Kosuke Imai. [arXiv](#).
3. "Local Governments and Symbolic Representation," with Taran Samarth. [OSE](#).
4. "Does Reducing Documentation Burden Broaden Access to Emergency Rental Assistance? Quasi-experimental Evidence from Virginia." with [OES](#). [Analysis Plan](#)

5. “Using Large-Scale Data to Monitor Conditions in New York City Public Housing.” with Rebecca Johnson and Josh Grossman. with [OES](#). [Project Page](#).

POLICY REPORTS & OTHER WRITING

1. [Streamlining income verification to broaden access to rental assistance](#). Office of Evaluation Sciences report.
 - Partnership: US Department of Treasury and Kentucky Housing Corporation.
2. [Reducing documentation burdens to accelerate and broaden access to emergency rental assistance](#). Office of Evaluation Sciences report.
 - Partnership: US Department of Treasury and Virginia Department of Housing and Community Development.
3. [Op-Ed: Three reasons why NJ should cut the ‘county line’ from ballots](#) with Nicholas Stephanopoulos. NJSpotlight News.

TEACHING EXPERIENCE

Gov97: Power and Action in US Local Politics

Harvard University, Spring 2022.

Primary Instructor, created course. [Syllabus](#).

API209: Advanced Quantitative Methods

Harvard Kennedy School, Fall 2022.

Teaching Fellow

Gov1008: Geographic Information Systems (GIS)

Harvard University, Fall 2021.

Teaching Fellow

Software: ArcGIS Pro

Math Camp: [MPA/ID](#) Program

Harvard Kennedy School, Summer 2022.

Primary Instructor, Data Science

Gov 1539: Politics of the American Presidency

Harvard University, Spring 2021.

Teaching Fellow

17.20: Introduction to American Politics

Massachusetts Institute of Technology

Teaching Fellow, Spring 2019.

Fundamentals of Data Science

South Amboy High School, Summer 2021.

Course Head / Instructor

Software: R

POL 245: Visualizing Data

Princeton University, Summers 2016-2018.

Course Fellow

Software: R

Senior Thesis Advisor

Harvard University, Fall 2021-present.

1. **Christine Mui**: Ban The Scan: Policy Diffusion and Regulation of Facial Recognition Technology in U.S. Local Governments (2023)
2. **Yao Yu**: Interstate Migration and Local Elections (2023).
3. **Elizabeth Gellert**: Ballots and Bills: Private Grant Funding and Local Election Administration in Massachusetts (2024)

Quantitative Fellow: Government Department

Harvard University, 2021-present.

Statistical support and advising for graduate and undergraduate students.

HONORS, GRANTS, AND AWARDS

- **APSA Best Paper in Education Politics and Policy** (2024-25)
- **APSA Best Paper in Urban and Local Politics, Honorable Mention** (2024-25)
- **MPSA Robert H. Durr Award**, for “the best paper applying quantitative methods to a substantive problem” (2024)
- **Robert Noxon Toppan Prize**, Harvard University Department of Government, for best dissertation on a subject of political science (2024)

- **Fostering Diverse Schools Grant**, US Department of Education. Partnership with Winston-Salem/Forsyth County Schools and Plural Connections Group. Co-investigator \$200,00 (2024-2025)
- **C-SPAN Scholarship & Engagement (CCSE), Video Research Institute**: Selected Researcher (2024)
- **Office of Evaluation Sciences**, General Services Administration (GSA) Interpersonnel Act Agreement (2022-2024)
- **Harvard Mellon Urban Initiative**, Doctoral Fellowship (2023-2024)
- **Derek C Bok Award for Excellence in Graduate Student Teaching of Undergraduates**, Harvard University (2023)
- **Georgetown McCourt Tech & Public Policy (TPP) Grant**. *Using Large-Scale Video, Text, and Legacy/Social Media Data to Understand and Reduce Polarization in Local Governance*. Co-investigator. \$215,000 (2023-24)
- **Harvard Mellon Urban Initiative**, Research Grant (2023)
- **Department of Government MVP All-Star Teaching Award**, Harvard University (2021)
- **Certificate of Distinction in Teaching**, Harvard University (Fall 2020, Spring 2021, Fall 2021, Spring 2022)
- **Center for American Political Studies** Research Grant, Harvard University. Co-Investigator. (2019)
- **Streicker International Fellowship**, Princeton University (2018)

RECENT PRESENTATIONS

Invited:

- **The University of Chicago** American Politics Conference: 2025
- **University of North Carolina at Chapel Hill** Methods and Design: 2025
- **Princeton University** Center for the Study of Democratic Politics (CSDP): 2025
- **New York University** Responsible Data Science: 2025
- **Princeton University** Invited Conference: 2025
- **Hertie School** Data Science Lab: 2024
- **MZES (University of Mannheim)** Social Science Data Lab: 2024
- **Princeton University** Data Driven Social Science Initiative: 2024
- **Northeastern University** Center for Design: 2024
- **Southern Education Foundation** Issues Forum: 2023
- **Dartmouth College** Lectures on Politics and AI: 2023
- **Northeastern University** Plural Connections Group: 2023
- **Harvard University** Gov 97: Drawing Democracies: 2023

Conferences:

- **American Political Science Association**: 2025, 2024, 2023
- **Local Political Economy Conference**: 2024, 2023
- **Midwest Political Science Association**: 2025, 2024
- **Southern Political Science Association**: 2025
- **Society for Political Methodology**: 2025, 2024, 2023
- **State Politics and Policy**: 2025
- **Politics and Gender**: 2025
- **American Educational Research Association**: 2024
- **Council for European Studies**: 2024

GOVERNMENT EXPERIENCE

- **General Services Administration**: Office of Evaluation Sciences, Data Scientist: 2022-2024
- **South Amboy Board of Education**: Member and President: 2013-2018