

## EDUCATION

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### Harvard University

- **Ph.D. in Government** (2018 - Present)
  - *Substantive areas*: state / local politics, education policy, political geography, redistricting.
  - *Methodological experience*: causal inference, field experiments, spatial analysis.
- **Affiliations:**
  - The Algorithm-Assisted Redistricting Methodology Project, ([ALARM](#), Harvard University)
  - Center for American Studies ([CAPS](#), Harvard University)
  - Program in Education Policy & Governance ([PEPG](#), Harvard Kennedy School).

### Princeton University

- **A.B. in Politics** (2018)
  - *Fields*: American Politics & Quantitative Analysis
  - *Certificates*: Statistics & Machine Learning
- **Streicker International Fellow** (2017)
  - awarded funding to pursue quantitative social science research at The University of Tokyo.

## PUBLISHED RESEARCH

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1. Kenny, Christopher T., Cory McCartan, **Tyler Simko**, Shiro Kuriwaki, and Kosuke Imai. "Widespread partisan gerrymandering mostly cancels nationally, but reduces electoral competition." [PNAS](#), 120 (25) e2217322120. (2023).
  - **Coverage**: [Yale Institution for Social and Policy Studies](#)
2. McCartan, Cory, **Tyler Simko**, and Kosuke Imai. "Researchers need better access to US Census data." [Science](#) 380, no. 6648 (2023): 902-903.
3. Barari, Soubhik, and **Tyler Simko**. "LocalView, a database of public meetings for the study of local politics and policy-making in the United States." [Nature: Scientific Data](#) 10, no. 1 (2023): 135.
  - **Project website**: [LocalView.net](#)
  - **Coverage**: [Nature Social & Behavioral Sciences Blog](#).
4. Kenny, Christopher T., Kuriwaki, Shiro, McCartan, Cory, Rosenman, Evan T. R., **Simko, Tyler**, & Imai, Kosuke. Comment: The Essential Role of Policy Evaluation for the 2020 Census Disclosure Avoidance System. [Harvard Data Science Review](#), (2023). Special Issue 2.
5. McCartan, Cory, Christopher T. Kenny, **Tyler Simko**, George Garcia III, Kevin Wang, Melissa Wu, Shiro Kuriwaki, and Kosuke Imai. "Simulated redistricting plans for the analysis and evaluation of redistricting in the United States." [Nature: Scientific Data](#) 9, no. 1 (2022): 689.
6. Kenny, Christopher T., Shiro Kuriwaki, Cory McCartan, Evan Rosenman, **Tyler Simko**, and Kosuke Imai. "The Use of Differential Privacy for Census Data and its Impact on Redistricting: The Case of the 2020 U.S. Census." [Science Advances](#), Vol. 7, No. 7 (2021), pp. 1-17.
  - **Selected Media Coverage**: [Associated Press](#), [The Washington Post](#), [San Francisco Chronicle](#), etc.
7. Rogowski, Jon, and **Tyler Simko**. "Presidential Patronage and Executive Branch Appointments, 1925–1959." [Presidential Studies Quarterly](#) 52, no. 1 (2022): 38-59.

## WORKING PAPERS

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1. Kenny, Christopher T., Cory McCartan, **Tyler Simko**, Shiro Kuriwaki, and Kosuke Imai. "Evaluating Bias and Noise Induced by the U.S. Census Bureau's Privacy Protection Methods." *Under Review*. (2023). [arXiv](#).
2. Ongoing with [OES](#): "Does Reducing Documentation Burden Broaden Access to Emergency Rental Assistance? Quasi-experimental Evidence from Virginia." [Analysis Plan](#)
3. Barari, Soubhik & **Tyler Simko**: "The Asymmetric Nationalization of Local Politics: Language and Policymaking in >30,000 Local Government Meetings." *Under Review*. [Working Paper](#).
4. Johnson, Rebecca, Josh Grossman, and **Tyler Simko**. "Using Large-Scale Data to Monitor Conditions in New York City Public Housing." [OES Project Page](#).

## TEACHING EXPERIENCE

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### **Gov97: Power and Action in US Local Politics**

*Harvard University*, Spring 2022.

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

### **Gov1008: Geographic Information Systems (GIS)**

*Harvard University*, Fall 2021.

Teaching Fellow

Software: ArcGIS Pro

### **Gov 1539: Politics of the American Presidency**

*Harvard University*, Spring 2021.

Teaching Fellow

### **Fundamentals of Data Science**

*South Amboy High School*, Summer 2021.

Course Head / Instructor

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. **Eric Forteza Romero**: The Politics of Fare-Free Public Transportation in US Cities (2024).

### **API209: Advanced Quantitative Methods**

*Harvard Kennedy School*, Fall 2022.

Teaching Fellow

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

*Harvard Kennedy School*, Summer 2022.

Primary Instructor, Data Science

### **17.20: Introduction to American Politics**

*Massachusetts Institute of Technology*

Teaching Fellow, Spring 2019.

### **POL 245: Visualizing Data**

*Princeton University*, Summers 2016-2018.

Course Fellow

Software: R

### **Quantitative Fellow: Government Department**

*Harvard University*, 2021-present.

Statistical support and advising for graduate and undergraduate students.

## HONORS AND AWARDS

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- **Derek C Bok** [Award for Excellence in Graduate Student Teaching](#) of Undergraduates, Harvard University (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)
- **Streicker International** [Fellowship](#), Princeton University (2018)

## RECENT INVITED PRESENTATIONS

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2023:

- Dartmouth College: Lectures on Politics and AI.
- Northeastern University: Plural Connections Group.
- Harvard University. Gov 97: Drawing Democracies

## GOVERNMENT SERVICE

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Data Scientist	Office of Evaluation Sciences	2022 - Present
<ul style="list-style-type: none"><li>• Member of OES, an interdisciplinary team in the federal government that works to help agencies build and use evidence to improve public policy.</li><li>• Organize, design, and conduct experimental evaluations, quasi-experimental designs (e.g. regression discontinuities on government policy cutoffs, etc.), and descriptive studies.</li><li>• <b>Example Project:</b> the Emergency Rental Assistance (ERA) Program provided funding to help households pay rent or utilities to prevent eviction and housing instability. Analysis Plan available <a href="#">here</a>.<ul style="list-style-type: none"><li>○ We analyze the impacts of a policy change (fast-specific proxy (FSP)) intended to broaden assistance that removes the requirement of documenting income eligibility.</li><li>○ Use a quasi-experimental design that leverages a strict policy cutoff based on zip code tabulation area (ZCTA) level income data.</li></ul></li><li>• Contribute to written guidance on methodological / statistical issues in policy evaluation projects.</li><li>• Lead analysis on studies, including preparing and cleaning administrative data, conducting statistical analyses, project design planning (including power analyses, translating policy goals into causal experimental designs, etc.) and presenting / explaining results for technical and policy audiences.</li></ul>		
President / Elected Member	South Amboy Board of Education	2013 - 2018
<ul style="list-style-type: none"><li>• Twice elected member to the South Amboy, NJ Board of Education (on ballot in 2013 &amp; 2016).<ul style="list-style-type: none"><li>○ Elected President during my second term.</li></ul></li><li>• Chaired and / or served on all nine committees of the board, including Education &amp; Curriculum, Budget &amp; Finance, Policy, Athletics, and Negotiations.</li><li>• District accomplishments during my tenure include:<ul style="list-style-type: none"><li>○ Increase in average high school graduation rate of ~10% (2012: 86.8%, 2018: 96.3%).</li><li>○ Decline of chronic absenteeism rate by ~50%: (2012: 14%, 2018: 7.6%).</li><li>○ Successfully negotiated contract with district union, the South Amboy Education Association.</li><li>○ Major capital projects funded via successful referenda, including renovations to elementary school classrooms, flooring, and installing energy efficient lighting.</li><li>○ Creation of various new programs and initiatives, including:<ul style="list-style-type: none"><li>■ Life-Skills program for special education students.</li><li>■ Full-day Pre-K expansion - grant funded (\$488,000).</li></ul></li></ul></li></ul>		

