Jake Bowers

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Department of Political Science
University of Illinois at Urbana-Champaign
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Appointments

2023–present	Professor, Dept of Political Science & Statistics University of Illinois @ Urbana-Champaign
2013–2023	Associate Professor, Dept of Political Science & Statistics University of Illinois @ Urbana-Champaign
2022–present	Fellow, The Office of Evaluation Sciences GSA Evaluation Division, U.S. General Services Administration
2015–2019	Fellow, The Office of Evaluation Sciences U.S. General Services Administration
2018–2022	Methods Director, Evidence in Governance and Politics (EGAP)
2017–2023	Affiliate, Center for Advanced Study in the Social and Behavioral Sciences Co-founder of The Causal Inference for Social Impact Lab Stanford University
2019–2021	Senior Scientist & Fellow The Policy Lab @ Brown University
2018–2019	Fellow, Center for Advanced Study in the Social and Behavioral Sciences Stanford University
2016–2017	Co-founder, Research 4 Impact
2015–2016	Fellow, White House Social & Behavioral Science Team National Science and Technology Policy Council U.S. Office of Science and Technology Policy
2015	Visiting Scholar, Instituto de Ciencia Política Pontificia Universidad Católica de Chile
2010–2013	Assistant Professor, Dept of Statistics University of Illinois @ Urbana-Champaign
2007–2013	Assistant Professor, Dept of Political Science University of Illinois @ Urbana-Champaign
2007–2013	Research Scientist, National Center for Supercomputer Applications University of Illinois @ Urbana-Champaign
2005–2007	Scholar, Robert Wood Johnson Health Policy Scholars Post-doctoral Program Harvard University

| 2003–2007 | Assistant Professor, Department of Political Science
University of Michigan |
| 2002–2003 | Assistant Research Scientist, Institute for Social Research
University of Michigan |

Education

Ph.D. 2003	Political Science, University of California, Berkeley
	- Ph.D. Thesis: The Dynamics of Political Participation in the Lives of Ordinary Americans (Dissertation Committee: Henry Brady and Laura Stoker (chairs), Raymond Wolfinger, David Brillinger (Statistics))
	- M.A. Thesis: Violence and Discontent in Argentina, 1955–1972: A Time-Series and Intervention Analysis (Advisor: Henry Brady)
B.A. 1992	Ethics, Politics and Economics, Yale University
	- Thesis: Participation and Consolidation in Chile (Advisor: Juan Linz)

Books

Bowers, Jake, Voors, Maarten, and Ichino, Nahomi. Mar. 2021. *The Theory and Practice of Field Experiments: An Introduction from the EGAP Learning Days*. **Open Source Textbook** (English Edition). Spanish and French Editions released in 2022. Berkeley, CA: Evidence in Governance and Politics.

Articles, Reports, and Software

Bowers, Jake, Greenberg, Natasha, Holmes, Morgan, and Posner, Daniel N. 2024. "Tensions in Knowledge Accumulation Using Coordinated Intervention Experiments To Improve Public Policy." In: *The Oxford Handbook of Methodological Pluralism in Political Science*. Ed. by Janet M. Box-Steffensmeier, Dino P. Christenson, and Valeria Sinclair-Chapman. Oxford University Press.

Yokum, David and **Bowers, Jake**. 2024. "The Value of Pre-Analysis Plans." In: *Next Generation Evidence: Strategies for More Equitable Social Impact*. Ed. by Kelly Fitzsimmon and Tamar Bauer. Washington, DC: Brookings Institution Press.

Olson, Luke and **Bowers, Jake**. May 2022. "10 Things to Know About Writing Academic Papers in LaTeX." In: *EGAP Methods Guides*.

Rabb, Nathaniel, **Bowers, Jake**, Glick, David, Wilson, Kevin H., and Yokum, David. July 2022. "The influence of social norms varies with "others" groups: Evidence from COVID-19 vaccination intentions." In: *Proceedings of the National Academy of Sciences* 119.29.

Rabb, Nathaniel, Swindal, Megan, Glick, David, **Bowers, Jake**, Tomasulo, Anna, Oyelami, Zayid, Wilson, Kevin, and Yokum, David. Apr. 2022. "The limits of nudges: Results of a statewide vaccination RCT." In: *Nature*.

Bowers, Jake, Grady, Christopher, and Diaz, Gustavo. Jan. 2021. "Estimating Average Treatment Effects in Block Randomized Experiments: A Conversation at the No Rules of Thumb Cafe." In: *EGAP Standards Discussion*.

Bowers, Jake and Wolfe, Rebecca. Nov. 2021. "10 Conversations that Implementers and Evaluators Need to Have." In: *EGAP Methods Guides*.

Rabb, Nathaniel, Glick, David, Houston, Attiyya, **Bowers, Jake**, and Yokum, David. 2021. "No evidence that collective-good appeals best promote COVID-related health behaviors." In: *Proceedings of the National Academy of Sciences* 118.14.

Bowers, Jake and Leavitt, Thomas. 2020. "Causality & Design-Based Inference." In: *The SAGE Handbook of Research Methods in Political Science and International Relations*. Ed. by Luigi Curini and Robert Franzese. Sage Publications Ltd.

Bowers, Jake. Jan. 2019. "10 Things to Know About Hypothesis Testing." In: *EGAP Methods Guides*.

Bowers, Jake and F. Testa, Paul. 2019. "Better Government, Better Science: The Promise of and Challenges Facing the Evidence-Informed Policy Movement." In: *Annual Review of Political Science* 22.

Bowers, Jake, Desmarais, Bruce A, Frederickson, Mark, Ichino, Nahomi, Lee, Hsuan-Wei, and Wang, Simi. 2018. "Models, methods and network topology: Experimental design for the study of interference." In: *Social Networks* 54, pp. 196–208.

Bowers, Jake, Fredrickson, Mark, and Hansen, Ben. 2018. *RItools: Randomization Inference Tools*. R package version 0.2.0.9004.

Wong, Cara, **Bowers, Jake**, Rubenson, Daniel, Fredrickson, Mark, and Rundlett, Ashlea. 2018. "Maps in People's Heads: Assessing A New Measure of Context." In: *Political Science Research and Methods*.

Bowers, Jake, Higgins, Nathaniel, Karlan, Dean, Tulman, Sarah, and Zinman, Jonathan. 2017. "Challenges to replication and iteration in field experiments: Evidence from two direct mail shots." In: *American Economic Review* 107.5, pp. 462–65.

Bowers, Jake, Cooper, Jasper, and Wilke, Anna. Jan. 2016. "10 Things to Know About Cluster Randomization." In: *EGAP Methods Guides (rev. 2022)*.

Bowers, Jake, Fredrickson, Mark, and Aronow, Peter M. 2016. "Research Note: A more powerful test statistic for reasoning about interference between units." In: *Political Analysis* 24.3, pp. 395–403.

Bowers, Jake and Voors, Maarten. 2016. "Six Steps to a Better Relationship with Your Future Self, V 2.0." In: *Revista de Ciencia Politica* 36.3, pp. 829–848.

Bowers, Jake. 2014. "Comment: Method games—A proposal for assessing and learning about methods." In: *Sociological Methodology* 44.1, pp. 112–117.

Bowers, Jake, Fredrickson, Mark M, and Panagopoulos, Costas. 2013. "Reasoning about Interference Between Units: A General Framework." In: *Political Analysis* 21.1, pp. 97–124.

Wong, Cara, **Bowers, Jake**, Williams, Tarah, and Drake, Katherine. Oct. 2012. "Bringing the Person Back In: Boundaries, Misperceptions, and the Measurement of Racial Context." In: *Journal of Politics* 74.4, pp. 1153–1170.

Bowers, Jake. 2011. "Making Effects Manifest in Randomized Experiments." In: *Cambridge Handbook of Experimental Political Science*. Ed. by James N. Druckman, Donald P. Green, James H. Kuklinski, and Arthur Lupia. New York, NY: Cambridge University Press. Chap. 32.

Bowers, Jake. 2011. "Six steps to a better relationship with your future self." In: *The Political Methodologist* 18.2, pp. 2–8.

Hansen, Ben B. and **Bowers, Jake**. Sept. 2009. "Attributing Effects to A Cluster Randomized Get-Out-The-Vote Campaign." In: *Journal of the American Statistical Association* 104.487, pp. 873–885.

Jennings, M. Kent, Stoker, Laura, and **Bowers, Jake**. 2009. "Politics across Generations: Family Transmission Reexamined." In: *The Journal of Politics* 71.03, pp. 782–799.

Hansen, Ben B and **Bowers, Jake**. 2008. "Covariate Balance in Simple, Stratified and Clustered Comparative Studies." In: *Statistical Science* 23, p. 219.

Bowers, Jake, Burns, Nancy, Ensley, Michael J., and Kinder, Donald R. 2005. "Analyzing the 2000 National Election Study." In: *Political Analysis* 13.1, pp. 109–111.

Bowers, Jake and Drake, Katherine W. 2005. "EDA for HLM: Visualization when probabilistic inference fails." In: *Political Analysis* 13.4, pp. 301–326.

Bowers, Jake. 2004. "Does moving disrupt campaign activity?" In: *Political Psychology* 25.4, pp. 525–543.

Bowers, Jake. 2004. "Using R to Keep it Simple: Exploring Structure in Multilevel Dataset." In: *The Political Methodologist* 12.2.

Stoker, Laura and **Bowers, Jake**. June 2002. "Designing Multi-Level Studies: Sampling Voters and Electoral Contexts." In: *Electoral Studies* 21 (2). Reprinted in *The Future of Election Studies*. 2002. Franklin and Wlezien eds. Elsevier Science., pp. 235–267.

Stoker, Laura and **Bowers, Jake**. Sept. 2002. "Erratum to "Designing multi-level studies: sampling voters and electoral contexts" [Electoral Studies 21 (2002) 235-267]." In: *Electoral Studies* 21.3, pp. 535–536.

Stoker, Laura and **Bowers, Jake**. Aug. 1997. "Contextual analysis and the NES." In: *The Political Psychologist*.

Selected Public Policy Contributions

- Office of Evaluation Sciences Research Integrity Process
  https://oes.gsa.gov/projectprocess/
  The OES Research Integrity Process requires that when OES works with a federal agency, all projects must include a publicly posted pre-analysis plan, results blind re-analysis, and publication of all results whether or not they are positive, null, or negative. I helped create and refine this process and associated templates and documents.

- Office of Evaluation Sciences Policy Evaluations 2015 – 2019
  https://oes.gsa.gov/work/
  I worked on many of the evaluations that the OES has completed. The OES policy requires that no individual author names appear on the evaluation reports.

Grants

Institute of Education Sciences	$785,000	"Direct Adjustment in Combination With Robust or Nonlinear Regression: Software and Methods for RDDs, RCTs and Matched Observational Studies" (with Ben Hansen, Josh Errickson and Adam Sales)	2021–2024
Sloan Foundation	$92,000	"Causal Inference for Social Impact Lab" (with Margaret Levi, Carrie Cihak, and Betsy Rajala)	2020–2022
University of Illinois Campus Research Board	$25,000	"Many blocks: Top-down vs Bottom-up Testing to Detect Heterogeneous Causal Effects in Block-Randomized Experiments"	2021–2022
Sloan Foundation	$121,000	"Sloan Impact Evaluation Design Lab" (with Margaret Levi, Carrie Cihak, and Graham Gottleib)	2018–2020
Sage Foundation	$50,000	"CASBS Summer Institute" (with Margaret Levi, Carrie Cihak, and Graham Gottleib)	2018–2019
UK DFID via EGAP Metaketa II	$180,000	"Collective Action and Solid Waste Collection in Zomba, Malawi" (with Lula Chen, Chris Grady, and Matt Winters)	2017–2019
Knight Foundation	$16,000	"Evidence-based Policy: Assessment and Learning" (with Margaret Levi and Carrie Cihak)	2016–2017
Sloan Foundation	$15,000	"Experiments in the Public Interest" (with Adam Levine and Donald Green)	2016–2017
Arnold Foundation	$42,000	"Evidence-Based Policymaking within the Federal Government"	2015–2017
Equal Access International via US Dept of State	$75,000	"Effects of Television on Social Norms about Violence in Northern Nigeria." (roughly $75,000 to support an Illinois graduate student for 3 years, total grant to Equal Access roughly $6 million)	2014–2017
University of Illinois Campus Research Board	$21,000	"Agent-Based Models, Experiments, and Statistical Inference"	2014–2015
Society of Political Methodology/NSF Mini-Conference Grant	$20,000	"Causal Inference in Political Networks" (with Betsy Sinclair and Guanglei Hong)	2013
Amazon Web Services Education Grant	$2100	for AWS computing resources	2013–2014
Canadian Social Sciences and Humanities Research Council	$74,000 CAD	"Maps and 'Pictures in Our Heads': The Political Effects of Perceptions of Communities" (with Daniel Rubenson and Cara Wong)	2011–2013

University of Illinois Campus Research Board	$29,000	"Reasoning about Interference between Units: Randomization-based Statistical Inference for Complex Social Science Hypotheses"	2011–2013
University of Illinois Library Data Purchase	$3800	To buy the Black Elected Officials database (with Cara Wong)	2011
RStudio, Inc. education grant	In-kind	Providing free RStudio Cloud hosting and support for 60+ undergraduate students per year	2010–2013
NSF Methodology, Measurement and Statistics	$230,000	"Collaborative Research: Propensity Scores and Randomization-Based Inference, or Modeling Assignment to Treatment Conditions as Manifestly or Latently Random" (with Ben Hansen)	2008–2011
University of Michigan Rackham Summer Faculty/Student Collaboration Grant	$3000	"Effect of Parenting on Political Participation" (with Kate Gallagher)	2005–2006
University of Michigan Rackham Interdisciplinary Institute Grant Recipient	$30,000	"Pilot Study of Racial Context Perceptions and Assessments" (with Cara Wong)	2004–2005

Awards and Honors

- Liberal Arts and Sciences Dean's Distinguished Professorial Scholar (2023–2024)

- The Miller prize for the best paper published in *Political Analysis* in 2013 (with Mark Fredrickson and Costas Panagopoulos) (2014).

- The Political Methodology Emerging Scholar Award for a young researcher, within ten years of their degree, who is making notable contributions to the field of political methodology (2012).

- Franklin L. Burdette/Pi Sigma Alpha prize for the best paper presented at the American Political Science Association national meetings in 2009 (with Ben Hansen) (2010).

- Admitted to Evidence in Governance and Politics (EGAP) for the first meeting of the network (2009)

- Faculty Mentor Award for Excellence in Graduate Education (at the University of Illinois Department of Political Science) (2009–2010).

- On the "List of Teachers Ranked as Excellent" from the Center for Teaching Excellence at the University of Illinois, Urbana-Champaign (2014, 2013, 2012, 2011, 2010, 2007).

- National Election Study Pre-doctoral Fellowship 2001–2002.

- Best Poster Award, Political Methodology Summer Conference 2000.

- National Election Study, 1997 Pilot Study proposal accepted and fielded.

- National Science Foundation Graduate Fellowship, 1994–1995, 1996–1997, 1998–1999.

Recent Invited Presentations and Meetings

Aug. 2023. "The influence of social norms varies with 'others' groups: Evidence from COVID-19 vaccination intentions." In: Escuela de Inviero de Métodos. Universidad Católico de Uruguay. Montevideo, Uruguay: Departamento de Ciencias Sociales y Políticas de la Universidad Católica del Uruguay.

Apr. 2023 (with Maya Duru). "OES Building and Using Evidence to Learn What Works." In: USAID. Washington, DC: USAID Evaluation and Evidence Week.

Feb. 2023. "Invited Participant." In: Social Science FOO. Menlo Park, CA: Meta Inc, Sage Foundation, and Sloan Foundation.

Nov. 2022 (with Carrie Cihak, Daniel Hopkins, Piyush Tantia, and Ruth Levine). "Improving Academic-Government Collaboration in Evidence-Based Policymaking." In: Social Science for a World in Crisis: Online Roundtable Video Series. Center for Advanced Studiy in Behavioral Sciences. Stanford, CA: Stanford University.

June 2022. "How can government encourage COVID-19 Vaccination? Two studies showing (1) a tactic to avoid and (2) a promising avenue for creative policy intervention." In: Democracy, Elections, and Citizenship – Facultat de Ciències Polítiques. Barcelona, Spain: Universitat Autònoma de Barcelona.

May 2022. "How can government encourage COVID-19 Vaccination? Two studies showing (1) a tactic to avoid and (2) a promising avenue for creative policy intervention." In: Chicago Area Behavior Conference. Evanston, IL: Northwestern University.

Apr. 2022. "Experimental Design and Analysis in Theory Versus Practice." In: Princeton Research in Experimental Social Science Seminar. Princeton, NJ: Princeton University.

Feb. 2022. "Invited Participant." In: Social Science FOO. Menlo Park, CA: Meta Inc, Sage Foundation, and Sloan Foundation.

Feb. 2022 (with Kevin Wilson). "Six Tips for Reproducible Field Experiments." In: Toronto Workshop on Reproducibility. Toronto, Canada.

Nov. 2021. "How can government encourage COVID-19 Vaccination? An adaptive randomized field trial and a non-bipartite matched observational study." In: Data Analysis Colloquium International @ National Chung Hsing University and the University of Texas at Dallas. Taipei, Taiwan and Dallas, TX.

Nov. 2021. "Interview for "Trespassing Methods in Political Research" Podcast." In: ed. by Matias Lopez. Albert Hirschman Centre on Democracy Podcast. Geneva, Switzerland.

Nov. 2021. "The limited reach of nudges: Evidence from a statewide vaccination RCT." In: 2021 Conference on Digital Experimentation @ MIT (CODE@MIT). Cambridge, MA.

Sept. 2021. "Métodos para cambiar el mundo Colaboración entre académicos y gobiernos para enfrentar la pandemia." In: Charlas Metodológicas de ALACIP. Asociación Latinoamericana Ciencia Política.

July 2021. "Organizer and Participant." In: National Secure Data Service and the Foundations for Evidence-Based Policymaking Act. Actuate Innovation et al. Washington, DC.

Feb. 2021 (with Kevin Wilson). "Reproducibility to Robustness: Increasing the Policy Utility of Reproducibility Practices." In: Toronto Workshop on Reproducibility. Toronto, Canada.

Feb. 2020. "Invited Participant." In: Social Science FOO. Menlo Park, CA: Meta Inc, Sage Foundation, and Sloan Foundation.

Jan. 2020. "Evidence-Based Public Policy, Guest Lecture." In: Public Policy Analysis Class. Mexico City, Mexico: FLACSO Mexico.

Jan. 2020 (with Lula Chen). "Top-down vs Bottom-up Testing to Detect Heterogeneous Effects in Block-Randomized Experiments." In: Quantitative Theory and Methods Workshop. Atlanta, GA: Emory University.

Dec. 2019. "Beyond the Average Treatment Effect: The best "results" are not necessary average effects." In: Texas Behavioral Science and Policy Institute. Austin, TX: University of Texas.

Dec. 2019. "Invited Participant." In: Causal Inference Workshop. Research Triangle, NC: Statistical and Applied Mathematical Sciences Institute (SAMSI).

Oct. 2019. "Detecting heterogeneous effects in randomized policy experiments with many blocks." In: Interdisciplinary Seminar in Quantitative Methods. Ann Arbor, MI: University of Michigan.

July 2019. "Many tests, many strata: Locating effects in multi-site and block randomized trials." In: Institute for Political Methodology. Taipei, Taiwan: Academia Sinica.

May 2019. "Generalizability, Replicability, and Scaling." In: Philanthropy and Global Development Workshop, What Works in Addressing Global Poverty. Stanford, CA: Stanford University.

Mar. 2019. "Measurement and Internal Validity in RCTs." In: Innovations in Poverty Action Measurement Workshop. Evanston, IL: Northwestern University.

Feb. 2019. "Invited Participant." In: Social Science FOO. Menlo Park, CA: Meta Inc, Sage Foundation, and Sloan Foundation.

Feb. 2019 (with Cara Wong). "The Politicization of Place: UK Party Contact and Perceptions of Local Diversity." In: Comparative Politics Workshop. Berkeley, CA: University of California, Berkeley.

Jan. 2019 (with Lula Chen). "Top-down vs Bottom-up Testing to Detect Heterogeneous Effects in Block-Randomized Experiments." In: Methods Speaker Series. San Diego, CA: UCSD.

Aug. 2018. "Invited Participant." In: Technical Exchange on Computational Social Science. Charlottesville, VA: Defense Advanced Research Projects Agency and Center for Open Science.

Apr. 2018 (with Cara Wong). "The Politicization of Place: UKIP and Perceptions of Local Diversity." In: Department of Political Science. University of Chicago.

Mar. 2018. "Rules of Engagement in Evidence-Informed Policy: Practices and Norms of Statistical Science in Government." In: Methods Workshop, Department of Political Science. University of California, Los Angeles.

Dec. 2017. "Invited Participant." In: Data Science Corps Conference. McCourt School of Public Policy and Data Science for Public Policy. Washington, DC: Georgetown University.

Sept. 2017 (with Christopher Grady and Graham Couturier). "The effect of a new Hausa language television station on attitudes about tolerance, violence, and women's empowerment in Northern Nigeria." In: Comparative Politics Workshop, Department of Political Science. University of Michigan.

July 2017 (with Christopher Grady and Graham Couturier). "The effect of a new Hausa language television station on attitudes about tolerance, violence and women's empowerment in Northern Nigeria." In: EIM Presentation. Universidad Católica de Uruguay.

May 2017 (with Cara Wong). "Pseudoenvironments, Ethnic Diversity, and Social Capital." In: Kraks Fond, Institute for Urban Economic Research. Copenhagen, Denmark.

May 2017 (with Cara Wong). "The Politicization of Place." In: University of Copenhagen, Department of Political Science. Copenhagen, Denmark.

Mar. 2017. "What will happen to social science as it moves out of the academy?" In: The Future of Scholarly Publishing Workshop. New York, NY: Social Science Research Council.

Oct. 2016. "The Practice of Social Science in the Government: Opportunities and Challenges." In: Congreso de Ciencia Politica. Pucon, Chile: Asociación Chilena de Ciencia Política.

June 2016. "What does it mean to learn across studies? Explanation and Generalization." In: The Institute for Qualitative and Multi-Method Research (IQMR). Syracuse, NY: Syracuse University.

May 2016. "What should we do and why? Work principles for behavioral insights teams." In: ESSEXLab. Essex, UK: University of Essex.

Apr. 2016. "A Reasoned Basis for Inference: Fun with Fisher." In: Causal Inference Seminar: Aronow and Crawford. New Haven, CT: Yale University.

Apr. 2016. "How can machine learning improve precision in experiments? Application: Did the London bombings change social capital in the UK?" In: Political Methodology Colloquium. Princeton, NJ: Princeton University.

Apr. 2016. "How can machine learning improve precision in experiments? Did the London bombings change social capital in the UK?" In: Dartmouth Program in Quantitative Social Science Seminar. Hanover, NH: Dartmouth University.

Apr. 2016. "How can machine learning improve precision in experiments? Did the London bombings change social capital in the UK?" In: American Government Seminar. Washington, DC: Georgetown.

Apr. 2016 (with Christopher Grady and Graham Couturier). "Results from the Arewa24 Television Project." In: US State Department. Washington, DC.

Mar. 2016. "How can machine learning improve precision in experiments? Did the London bombings change social capital in the UK?" In: Minnesota Political Methodology Colloquium and Center for the Study of Political Psychology. Minneapolis, MN: University of Minnesota.

Jan. 2016. "How can machine learning improve precision in experiments? Did the London bombings change social capital in the UK?" In: Workshop on Quantitative Research Methods. New Haven, CT: Yale University.

Nov. 2015. "Machine Learning and Causal Inference from Experiments." In: Interdisciplinary Seminar in Quantitative Methods. Ann Arbor, MI: University of Michigan.

June 2015. "Interview with Bruce Sterling." In: Admiravel Mundo Novo — Brave New World Conference. Porto, Portugal: Francisco Manuel dos Santos Foundation.

June 2015. "Invited Participant." In: Politics of the Future Workshop. Charleston, SC: Duke University.

May 2015. "How to increase the precision of causal inferences in experiments (using machine learning but without data snooping)." In: Reunion Causalidad en Ciencias Sociales. Santiago, Chile: Universidad Católica de Chile & El Centro de Estudios de Conflicto y Cohesión Social.

Nov. 2014. "Science Fiction: Earth's repair manual?" In: Future Tense program. Australia National Radio.

May 2014 (with Bruce Desmarais, Mark Fredrickson, Nahomi Ichino, Wayne Lee, and Simi Wang). "Designing Randomized Studies to Learn About The Propagation of Designing Randomized Studies to Learn About The Propagation of Treatments Across a Network." In: Computational Methods in the Social Sciences (CMSS) Program. Research Triangle, NC: Statistical and Applied Mathematical Sciences Institute (SAMSI).

Mar. 2014 (with Mark Fredrickson and Nahomi Ichino). "Engaging Interference via Scientific Models and Fisherian Testing." In: Causal Inference Working Group Presentation. Research Triangle, NC: Statistical and Applied Mathematical Sciences Institute (SAMSI).

Oct. 2013. "A Modular Approach to Comparison in Observational Studies: The Effect of the London Bombings on Civic Engagement." In: The George Rabinowitz Seminar of the American Politics Research Group. Chapel Hill, NC: University of North Carolina, Chapel Hill.

Oct. 2013 (with Nahomi Ichino, Christopher Grady, and Mark Fredrickson). "Ethnicity and Electoral Fraud in New Democracies: Modelling Political Party Agents in Ghana." In: Seminar on the Study of Development Strategies. New York, NY: Columbia University.

May 2013. "Reasoning about Causal Effects on Networks: Models, Hypotheses, and Randomized Field Experiments." In: Department of Government. Austin, TX: University of Texas.

May 2013. "Statistical Inference for Causal Theories: Fisher's Sharp Null and Social Networks." In: Causality in Political Networks Conference. Chicago, IL: University of Chicago.

Feb. 2013. "Models of Causal Effects, Experiments, and Social Networks." In: Game Theory and Human Behavior Seminar. Los Angeles, CA: University of Southern California.

Recent Invited Lectures and Courses

- ICPSR 4 Week Summer Course: Causal Inference for the Social Sciences (co-teaching with Ben Hansen and Tom Leavitt), University of Michigan, Ann Arbor, 2013–2023.
- Field Experiments and Causal Inference, European Union Institute, Florence, Italy, 2021 & 2022.
- Introduction to Quasi-Experimental Designs, Office of Evaluation Sciences Methods of Evalu-

ation Series for the Federal Government, 2020, 2022.
- Matching for Statistical Adjustment, Escuela de Invierno de Métodos, Departamento de Ciencias Sociales y Políticas, Universidad Católica de Uruguay, 2014, 2015, 2020, 2023.
- Advances in Causal Inference, IPM, Academia Sinica, Taiwan, 2019.
- EGAP Learning Days: Santiago, Chile, 2016; Montevideo, Uruguay, 2018; Bogota, Colombia, 2019; invited, declined, Bogota, Columbia, 2022; Mexico City, Mexico, 2023.
- Field Experiments, Escuela de Invierno de Métodos, Departamento de Ciencias Sociales y Políticas, Universidad Católica de Uruguay, 2014, 2017.
- Evidence Based Public Policy, Escuela de Invierno de Métodos, Departamento de Ciencias Sociales y Políticas, Universidad Católica de Uruguay, 2023.
- Matching for Statistical Adjustment, Instituto de Ciencia Política, Universidad Católica de Chile, 2013
- Synthetic Control Matching, Escuela de Verano de Métodos Mixtos at the Instituto de Ciencia Política, Universidad Católica de Chile, 2015.
- Survey Experiments, Escuela de Verano de Métodos Mixtos at the Instituto de Ciencia Política, Universidad Católica de Chile, 2015.
- Propensity Score Matching in R (co-teaching with Ben Hansen and Mark Fredrickson), Joint Statistical Meetings, San Diego, 2012.

Selected Recent Conference Presentations

Jan. 2024 (with Thomas Leavitt and Luke Miratrix). "Simultaneous Sensitivity Analyses for Multiple Assumptions: An Application to Racial Bias in Policing." In: Causal Inference and its Applications Annual Conference. University of Florida Department of Statistic. Gainesville, FL.

Nov. 2023 (with Matias Lopez). "A p-value for Process Tracing and other $N = 1$ Studies." In: Latin American Political Methodology Meeting. Recife, Brazil.

May 2023 (with Thomas Leavitt and Luke Miratrix). "Sensitivity analysis for null results: Implications for studies of racially biased policing." In: American Causal Inference Conference. Austin, TX: Society for Causal Inference.

Dec. 2022 (with Thomas Leavitt and Luke Miratrix). "Sensitivity analysis for null results: Implications for studies of racially biased policing." In: International Conference of the ERCIM WG on Computational and Methodological Statistics. London, UK: King's College London.

Nov. 2022 (with Carrie Cihak, Ryan Moore, Laura Stoker, and Laura Feeney). "The Impact of Researcher Degrees of Freedom on Evidence-Informed Policy Making: Insights from the Stanford-King County Data Challenge." In: Association for Public Policy Management and Analysis. Washington, DC.

Sept. 2022 (with Gustavo Diaz and Christopher Grady). "When Should We Use Biased Estimators of the Average Treatment Effect?" In: American Political Science Association. Montreal, Canada.

Mar. 2022. "Beyond the Average Treatment Effect and OMB Race and Ethnic Categories: Remarks at the Roundtable on Advancing Methodological Innovation for Pro-Equity Causal Impact." In: Association for Public Policy Management and Analysis. Austin, TX.

Oct. 2021. "How can coordinated studies enhance evidence-based policy making?" In: American Political Science Association. Seattle, WA.

Oct. 2021 (with Thomas Leavitt and Luke Miratrix). "Sensitivity analysis for null results: Implications for studies of racially biased policing." In: American Political Science Association. Seattle, WA.

Apr. 2021 (with Christopher Grady, Nuole Chen, Matthew Winters, Mwayi Masumbu, and Boniface Dulani). "Can an Information Campaign about Taxation and Improved Service Delivery Increase Tax Compliance?" In: Midwest Political Science Association.

Aug. 2019 (with Rosario Queirolo, Eliana Álvarez, and Lorena Repetto). "The Impact of Marijuana Sale at Pharmacies on Crime Victimization and Insecurity Perceptions." In: American Political Science Association. Washington, DC.

Nov. 2018 (with Nuole Chen). "Many tests for discovery in a block-randomized experiment." In: Latin American Political Methodology Meeting. Bogota, Colombia.

Apr. 2017 (with Cara Wong, Jane Green, and Ed Fieldhouse). "How does politics affect perceptions of place? The effect of campaigns on perceptions about immigration." In: Midwest Political Science Association. Chicago, IL.

Apr. 2017 (with Chris Grady). "The effect of a new Hausa language television station on attitudes about tolerance, violence, and women." In: Midwest Political Science Association. Chicago, IL.

Sept. 2015 (with Ben Hansen and Mark Fredrickson). "Machine Learning and Causal Inference." In: American Political Science Association. San Francisco, CA.

May 2014 (with Ben Hansen and Mark Fredrickson). "A machine for principled covariance adjustment specification in experiments (poster)." In: Atlantic Causal Inference Conference. Providence, RI.

Apr. 2014 (with Paul Testa). "Explaining the Shape of Political Participation: An Integrative Explanatory Framework." In: Midwest Political Science Association. Chicago, IL.

Aug. 2013 (with Cara Wong, Daniel Rubenson, Mark Fredrickson, and Ashlea Rundlett). "Does the Context Fit the Outcome?: When or Where Racial Context Should Affect Politics." In: American Political Science Association. Chicago, IL.

Aug. 2013 (with Nahomi Ichino and Mark Fredrickson). "Ethnicity and Electoral Fraud in New Democracies: Modelling Political Party Agents in Ghana." In: American Political Science Association. Chicago, IL.

July 2013 (with Wendy Tam Cho). "Replication, Big Data, and Causal Inference." In: Society for Political Methodology. Charlottesville, VA.

Apr. 2013 (with Mark Fredrickson and Costas Panagopoulous). "A Modular Approach to The Analysis of Quasi-Experimental Data: Regression with Without Regrets." In: Midwest Political Science Association. Chicago, IL.

Teaching
University of Illinois @ Urbana-Champaign

- Statistical Inference and Linear Models (Graduate) 2010–2014,2016–2018,2020–2023

- Advanced Topics in Political Methodology (Graduate) 2019
- Introduction to Applied Statistics in Political Science: Description, Comparison, Estimation, Inference (Graduate) 2016
- Introduction to Statistics for Political Research (Undergraduate) 2009–2013,2018
- Future Politics [Science Fiction and Political Theory] (Undergraduate) 2009–2010, 2012–2014, 2020–2022
- The Study of Political Participation [Practical research course] (Undergraduate), 2013
- PoliSciU 8 Week Online Synchronous Courses for Political Science PhD Students at the Universities of Illinois, Minnesota, Wisconsin, OSU, Indiana

    - Political Experiments: Design & Analysis (with Corrine McConnaughy) (Graduate), 2012
    - PoliSciU: Potential Outcomes Framework for Causal Inference and Matching for Adjustment (Graduate) 2007, 2011

University of Michigan

- Statistical Methods for Political Research (Graduate), 2003 & 2004.
- Advanced Topics in Statistical Inference: Bayesian and Robust Approaches (Graduate), 2005.
- Political Participation (Undergraduate), 2003 & 2005.
- Research Design and Data Analysis for Political Science (Undergraduate), 2004.

Recent Service and Leadership

Committees and Leadership

- Board of Directors, Research 4 Impact (2017–present)
- Board of Directors, Evidence in Governance and Politics (EGAP) (2017–2020,2022–present).
- *Society for Political Methodology:* Internationalization Committee, Chair (2022–2023), Annual Meeting Poster Award Committee (2009, 2012,2022), Long Range Planning Committee (2017), Gosnell Award Committee (2015), Emerging Scholar Award Committee Chair (2013–2014), Political Methodology Career Award Committee 2009–2011; Program committee for the annual meeting, 2007.
- Canadian Election Study, Board (2019–present)
- *Association for Public Policy Analysis & Management* APPAM Annual Conference Program Chair, Methods and Tools of Analysis (2022)
- APSA Committee on Study Pre-registration (2015).
- APSA Experimental Research Section: Council Member (2016–2017).
- Editorial Board, *Political Analysis*
- Editorial Board, *Sociological Methodology*
- Editorial Board, Associate Editor, *Observational Studies*
- Board, Canadian Election Study 2019–present
- Co-founder, Latin American Political Methodology Conference (co-organizer in 2017)

Reviewer

- NSF Panel Member twice since 2015: Methodology, Measurement, and Statistics and Accountable Institutions and Behavior.
- Panel Member and Organizer: National Secure Data Service and the Foundations for Evidence-Based Policymaking Act. Actuate Innovation et al. Washington, DC.
- Sloan Foundation reviewer twice since 2015.
- Reviewer for the *American Political Science Review*, the *Journal of the American Statistical Association*, the *American Journal of Political Science*, *Political Analysis*, *The Journal of Politics*, *Journal of Educational and Behavioral Statistics*, *Sociological Methods and Research*, *Sociological Methodology*, *Perspectives*, *Public Opinion Quarterly*, *Political Psychology*, *Political Behavior*, *Electoral Studies*, *American Politics Research*, *PS: Political Science & Politics*, *Journal of Causal Inference*, *Statistics, Politics and Policy*, Cambridge University Press, John Wiley and Sons.

Dissertation committee memberships

- Gisela Sin, Political Science, University of Michigan, Ph.D 2007.
  Currently Assoc Prof with Tenure at University of Illinois.
- Sheena Arackal, Political Science, University of Illinois, Ph.D 2013.
- Gennady Rudkevich, Political Science, University of Illinois, Ph.D. 2013.
  Currently Asst Prof, Georgia College.
- Konstantinos Travlos, Political Science, University of Illinois, Ph.D. 2013.
  Currently Asst Prof at Ozyegin University.
- Neelanjan Sicar, Political Science, Columbia University, Ph.D 2014.
  Currently Asst Prof at Ashoka University.
- Ashly Townsen, Political Science, University of Illinois, PhD 2015.
  Currently Asst Prof of Security Studies. Air War College.
- Maria Soppelsa, Economics, University of Illinois, PhD 2016.
  Currently at The World Bank.
- Mark Fredrickson, Statistics, University of Illinois, co-Chair of Ph.D. 2018.
  Currently Asst Teaching Prof, University of Michigan, Dept of Statistics.
- Rodrigo Araujo Schneider, Economics, University of Illinois, Ph.D. 2018.
  Currently Asst Prof of Economics at Skidmore College.
- Christopher Grady, University of Illinois, Political Science, co-Chair of Ph.D. 2020.
  Currently Bureau for Democracy, Conflict and Humanitarian Assistance; Center of Excellence on Democracy, Human Rights and Governance; Learning Division; USAID.
- Nuole Chen, University of Illinois, Political Science, Chair of Ph.D. 2020.
  Currently Post-doc at MIT Gov/Lab.
- Gustavo Diaz, University of Illinois, Political Science, Chair of Ph.D. 2021.
  Currently Post-doc in the Department of Political Science, McMaster University.
- Thomas Leavitt, Columbia University, Political Science, Ph.D. 2021.
  Assistant Professor, Baruch College, Marxe School of Public and International Affairs
- Adrian Wong, University of Illinois, Institute of Communications Research, ABD.
- Yongchang Su, University of Illinois, Department of Statistics, ABD.
- Florencia Betancor, Universidad Católica del Uruguay, Masters in Public Policy, 2023.

Recent Departmental Service (University of Illinois)

- Climate Committee, Chair, 2022–2023
- Hiring Committee, Diversity Advocate, 2022
- Methods Area Chair, 2013–2014,2019–2022
- Graduate Affairs/Admissions Committee, 2013–2014,2021–2022
- Elected to Advisory Committee, 2012–2013, 2013–2014, 2016–2017
- Illinois in Washington Hiring Committee, Chair, 2016
- Website Renovation Committee, Chair, 2016
- Departmental Vision Committee, 2016