1737 Cambridge St
Institute for Quantitative Social Science
Harvard University
Cambridge, MA 02138

617-496-2426 ☎
@matt_blackwell 𝕏
mblackwell@gov.harvard.edu ✉
http://mattblackwell.org 🌐

Matthew Blackwell

Employment

Harvard University, *Department of Government*
Associate Professor (untenured), July 2018-Present.
Assistant Professor, July 2014–June 2018.
Affiliate, Institute for Quantitative Social Science.

University of Rochester, *Department of Political Science*
Assistant Professor, July 2012-June, 2014.
Affiliate, University of Rochester Data Science Institute.

Education

Harvard University, *Department of Government*
Ph.D, Political Science, 2012.

University of California, Los Angeles
B.A., Political Science & Economics, 2005.
Magna cum laude & Departmental Highest Honors.

Book

Avidit Acharya, Matthew Blackwell, and Maya Sen, *Deep Roots: How Slavery Still Shapes Southern Politics*, Princeton University Press, 2018.

- Winner of the 2019 William H. Riker Book Award, which "is awarded by the Political Economy Section of the American Political Science Association and given for the best book on political economy published during the past three calendar years."

- Reviewed in *Science, Journal of Politics, Journal of Regional Studies, Political Science Quarterly, Choice, American Journal of Sociology, Los Angeles Sentinel, Journal of American Ethnic History*, symposium in *Perspectives in Politics*.

Publications

16. Matthew Blackwell and Nicole Pashley, "Noncompliance and instrumental variables for 2^K factorial experiments." *Journal of the American Statistical Association*, Vol. 118, No. 542 (2023): 1102–1114.

15. Matthew Blackwell and Michael Olson, "Reducing Model Misspecification and Bias in the Estimation of Interactions." *Political Analysis*, Vol. 30, No. 4 (2022): 495–514.

14. Matthew Blackwell and Anton Strezhnev, "Telescope Matching: Reducing Model Dependence in the Estimation of Controlled Direct Effects." *Journal of the Royal Statistical Society (Series A)*, Vol. 185, No. 1 (2022): 377–399.

13. Matthew Blackwell and Adam Glynn, "How to Make Causal Inferences with Time-Series Cross-Sectional Data under Selection on Observables," *American Political Science Review*, Vol. 112, No. 4 (2018): 1067–1082.

12. Avidit Acharya, Matthew Blackwell, and Maya Sen, "Analyzing Causal Mechanisms in Survey Experiments," *Political Analysis*, Vol. 26, No. 4 (2018): 357–378.

11. Matthew Blackwell, "Game Changers: Detecting Shifts in Overdispersed Count Data," *Political Analysis*, Vol. 26, No. 2 (2018): 230–239.

10. Avidit Acharya, Matthew Blackwell, and Maya Sen, "Explaining Attitudes from Behavior: A Cognitive Dissonance Approach," *Journal of Politics*, Vol. 80, No. 2 (2018): 400–411.

9. Matthew Blackwell, James Honaker, and Gary King, "A Unified Approach to Measurement Error and Missing Data: Overview and Applications," *Sociological Methods & Research*, Vol. 46, No. 3 (2017): 303–341.

8. Matthew Blackwell, James Honaker, and Gary King, "A Unified Approach to Measurement Error and Missing Data: Details and Extensions," *Sociological Methods & Research*, Vol. 46, No. 3 (2017): 342–369.

7. Matthew Blackwell, "Instrumental Variable Methods for Conditional Effects and Causal Interaction in Voter Mobilization Experiments," *Journal of the American Statistical Association*, Vol. 113, No. 518 (2017): 590–599.
   - 2017 Gosnell Prize winner for best political methodology paper presented in the previous year.

6. Avidit Acharya, Matthew Blackwell, and Maya Sen, "Explaining Causal Effects Without Bias: Detecting and Assessing Direct Effects," *American Political Science Review* Vol. 110, No. 3 (2016): 512–529.

5. Avidit Acharya, Matthew Blackwell, and Maya Sen, "The Political Legacy of American Slavery," *Journal of Politics* Vol. 78, No. 3 (2016): 621–641.

   • 2016 Joseph L. Bernd Award winner for best paper in the JOP.

4. Matthew Blackwell, "A Selection Bias Approach to Sensitivity Analysis for Causal Effects," *Political Analysis* Vol. 22, No. 2 (2014): 169–182.

3. Matthew Blackwell, "A Framework for Dynamic Causal Inference in Political Science," *American Journal of Political Science* Vol. 57 No. 2 (2013): 504–519.

2. James Honaker, Gary King, and Matthew Blackwell, "Amelia II: A Program for Missing Data," *Journal of Statistical Software* Vol. 45 No. 7 (2011): 1–47.

1. Matthew Blackwell, Stefano Iacus, Gary King, and Guiseppe Porro, "cem: Coarsened Exact Matching in Stata," *Stata Journal* Vol. 9 No. 4 (2009): 524–546.

Book manuscript

1. Matthew Blackwell. *A User's Guide to Statistical Inference and Regression*, Manuscript

Working papers

1. Matthew Blackwell and Soichiro Yamauchi. "Adjusting for Unmeasured Confounding in Marginal Structural Models with Propensity-Score Fixed Effects." *Under Review*

2. Matthew Blackwell, Adam Glynn, Hanno Hilbig, and Connor Halloran Phillips. "Difference-in-differences Designs for Controlled Direct Effects: An Application to Reducing Intergroup Prejudice." *Under Review*

3. Matthew Blackwell, Nicole Pashley, and Dominic Valentino. "Batch Adaptive Designs to Improve Efficiency in Social Science Experiments." *Under Review*

4. Matthew Blackwell, Jacob Brown, Sophie Hill, Kosuke Imai and Teppei Yamamoto. "Priming Bias versus Post-treatment Bias in Experimental Designs."

5. Matthew Blackwell, Ruofan Ma, and Aleksei Opacic. "Assumption Smuggling in Intermediate Outcome Tests of Causal Mechanisms."

6. Matthew Blackwell and Nicole E. Pashley. "Bounds on causal effects in 2^K factorial experiments with non-compliance."

7. Avidit Acharya, Matthew Blackwell, and Maya Sen. "Slavery, Politics, and Causality."

Other writing Matthew Blackwell and Maya Sen, "Large Datasets and You: A Field Guide", *The Political Methodologist*, Vol. 10 No. 1 (2012): Pp. 2–5.

Honors and Awards 2022. Emerging Scholar Award, Society for Political Methodology.

2019. William H. Riker Book Award, Political Economy Section of the American Political Science Association. For *Deep Roots: How Slavery Still Shapes Southern Politics*.

2017. Gosnell Prize, Society for Political Methodology. For "Instrumental Variable Methods for Conditional Effects and Causal Interaction in Voter Mobilization Experiments."

2016. Joseph L. Bernd Best JOP Paper Award, Southern Political Science Association for "The Political Legacy of American Slavery."

2014. Statistical Software Award for Amelia II, Society for Political Methodology (with James Honaker and Gary King).

2012. Richard J. Hernstein Prize, Harvard University Graduate School for Arts and Sciences. Awarded to the "best dissertation that exhibits excellent scholarship, originality, breadth of thought, and a commitment to intellectual independence."

2011. John T. Williams Dissertation Prize, Society for Political Methodology. Best dissertation proposal in the area of political methodology.

2010. Jeanne Humphrey Block Dissertation Award, Institute for Quantitative Social Science.

2010. Institute for Quantitative Social Science Research Grant Award.

2010. Dirksen Center Congressional Research Award.

2009. Harvard University Certificate of Distinction in Teaching.

2008. Fellowship in Political Economy, Department of Government, Harvard University.

2006-2009. Graduate Prize Fellowship, Graduate School of Arts and Sciences, Harvard University.

2005. Sylvia Sorkin Greenfield Memorial Award University of California, Los Angeles. Best senior thesis in Political Science, Adviser: James Honaker.

Software `Amelia` R library for the handling of incomplete multivariate data with an easy-to-use graphical user interface. (with James Honaker and Gary King).

`cem` Stata library for matching to reduce bias in the estimation of causal effects. (with Stefano Iacus, Gary King, Guiseppe Porro.)

`causalsens` R package to implement the selection bias approach to sensitivity analysis for causal effects.

`DirectEffects` R package to estimate the controlled direct effect with a suite of different approaches.

`factiv` R package to estimate causal effects in factorial experiments with noncompliance on multiple factors, implementing the estimators from Blackwel (2017) and Blackwell and Pashley (2022).

`inters` R package that implements the post-double-selection approach to estimating interactions in Blackwell and Olson (2022).

`qsslearnr` R package containing `learnr` tutorials based on Quantitative Social Science: An Introduction by Kosuke Imai from Princeton University Press.

Invited Talks Departments of Political Science and Statistics, University of Wisconsin, Madison. October, 2024.
Department of Politics, Princeton University. May, 2024.
Department of Political Science, Duke University. February, 2023.
Department of Government, University of Texas, Austin. February, 2023.
Department of Political Science, Washington University at St Louis. November, 2022.
Department of Political Science, Columbia University. April, 2019.
History, Culture and Society Workshop, Department of Sociology, Harvard University. March, 2019.
Department of Political Science, University of Wisconsin, Madison. February, 2019.
Department of Political Science, Yale University. January, 2019.
Modeling Politics & Policy in Time and Space, Texas A& M. April, 2017.
Department of Political Science, Yale University. February, 2017.

Department of Political Science, Rice University. November, 2016.
St. Louis Area Methods Meeting, American University. April, 2016.
Political Methodology Workshop, UCSD. April, 2016.
History, Culture and Society Workshop, Department of Sociology, Harvard University. February, 2016.
9th Annual NYU-CESS Conference on Experimental Political Science, NYU. February, 2016.
Historical Political Economy Conference, London School of Economics. January, 2016.
American Politics Conference, MIT. September, 2015.
Rockefeller Center Public Lecture, Dartmouth College. June, 2015.
Workshop in Quantitative Social Science, Dartmouth College. June, 2015.
Economic History Workshop, Department of Economics, Harvard University. February, 2015.
Research in American & Comparative Politics Workshop, Boston University. October, 2014.
Political Methodology Seminar, Princeton University. February 2014.
Center for the Study of Democratic Politics Seminar, Princeton University. February 2014.
Department of Clinical and Social Sciences in Psychology, University of Rochester. November 2013.
Departmental Workshop, Department of Political Science, Stanford University. October 2013.
Rochester Big Data Forum, University of Rochester. September 2012.
Research Workshop in American Politics, Department of Political Science, University of California, Berkeley. December 2011.
New Faces in Political Methodology, Penn State University. April 2011.
Murno Lecture Series, Department of Political Science, Stanford University. January 2011.
Stata Conference, Boston, MA. July 2010.

Conference Participation **Midwest Political Science Association Annual Conference** Paper: 2010, 2011, 2013–2018, 2023; Discussant: 2013–2017, 2023.
American Political Science Association Annual Meeting Paper: 2010, 2011, 2013, 2014, 2015, 2017. Discussant: 2017.
Society for Political Methodology Summer Meeting Poster: 2008–2012; Paper: 2010, 2013, 2014, 2015, 2017, 2018, 2020–2023; Discussant: 2012, 2015, 2017, 2019, 2020, 2023.
European Political Science Associate Annual Conference Paper: 2015.
Atlantic Causal Inference Conference Paper: 2016.

Teaching **Harvard University**
Government 50: Data Science for the Social Sciences (Fall 2017, 2018, 2022, 2023).
Government 51: Data Analysis and Politics (Fall 2020).
Government 2000: Introduction to Quantitative Methods I (Fall 2014–2016).
Government 2002/2003: Causal Inference (Fall 2015-2017, Fall 2021).

Government 2002: Topics in Political Methodology (with Arthur Spirling, Fall 2014).
Government 2002: Quantitative Social Science Methods II (Spring 2021, Spring 2023, Fall 2023).
Government 2003: Topics in Political Methodology (with Kosuke Imai, Spring 2019).

University of Rochester

Political Science 200: Applied Data Analysis. Syllabus, Lecture Notes
Political Science 504: Causal Inference
Political Science 208W: Undergraduate Research Seminar.
Political Science 502: Political and Economic Networks (with Avi Acharya).

Other

Empirical Political Economy Network (EPEN) Summer School, May 2014, Mexico City.

Service **National Service:** Society for Political Methodology Nominations Committee, Chair, 2019–present. Society for Political Methodology Gosnell Prize Committee, 2018–2019. Editorial Board, Journal of Politics, 2017–2018. Society for Political Methodology John T. William Prize for Best Dissertation Proposal Committee, 2016–2017; Society for Political Methodology Statistical Software Award Committee, 2015–2016.

University/Department Service: Faculty Chair of the Government Department Data Science Track, 2020–present; Quantitative Reasoning with Data Committee, 2021–present; American Politics and Quantitative Methods Search Committee, 2021; Committee on Higher Degrees in Political Economy and Government, 2016–present; Political Methodology Field Coordinator, 2016–2021, 2023–2024; Group Politics Search Committee, 2019; Strategic Vision Committee, 2016–2017; Selection Committee for Harvard College-UK Fellowships for Graduate Study, 2017; Graduate Student Poster Session Co-coordinator, 2015, 2022, 2024; Quantitative Methods Search Committee, 2015; Hoopes Prize Social Science Committee, 2015, 2021, 2022; Cutler Seminar for Political Methodology, 2013-2014, co-coordinator with Curt Signorino; Graduate Admissions Committee, 2013-2014; Institute for Data Science Search Committee, 2013-2014; Undergraduate Faculty Advisor, 2012-2013.

Dissertation Committees:

Hye-Sung Kim (University of Rochester, Assistant Professor at Appalachian State University).
Rabia Malik (University of Rochester, Lecturer [Assistant Professor] at the University of Essex).
Benjamin Laughlin (University of Rochester, Assistant Professor at NYU-Abu Dhabi).
Mayya Komisarchik (Harvard University, Assistant Professor at University of Rochester).
Michael Olson (Harvard University, Assistant Professor at Washington University in St. Louis).

Gabriel Koehler-Derrick (Harvard University, Assistant Professor NYU-Abu Dhabi).
Aytuğ Şaşmaz (Harvard University, Assistant Professor at Bryn Mawr College).
Shom Mazumder (Harvard University).
Soichiro Yamauchi (Harvard University, Data Scientist at Google).
Seth Soderborg (Harvard University, Principal Consultant, SNS Analytics).
Jacob Brown (Harvard University, Postdoctoral Fellow at Princeton University, to be Assistant Professor at Boston University).
Sophie Hill (Harvard University, In Progress).
Sooahn Shin (Harvard University, In Progress).
Jeremiah Cha (Harvard University, In Progress).
Meg Schwenzfeier (Harvard University, In progress).
Matthew Dardet (Harvard University, In Progress).

Reviewer for: *American Economic Review: Insights, American Journal of Political Science, American Political Science Review, American Sociological Review, Annals of Applied Statistics, Biostatistics, British Journal of Political Science, Du Bois Review, Comparative Political Studies, Economics and Politics, Electoral Studies, Empirical Economics, Historical Methods, Journal of the American Statistical Association, Journal of Applied Statistics, Journal of Causal Inference, Journal of Development Economics, Journal of Elections, Political Opinion and Parties, Journal of the European Economic Association, Journal of Law, Economics and Organization, Journal of Peace Research, Journal of Political Economy, Journal of Politics, Journal of Statistical Software, Journal of Statistical Theory and Practice, Journal of the Royal Statistical Society (Series A & B), Journal of Theoretical Politics, Journalism & Mass Communication Quarterly, Legislative Studies Quarterly, Multivariate Behavioral Research, National Science Foundation (MMS), Observational Studies, Party Politics, PLOS ONE, Political Analysis, Political Behavior, Political Communication, Political Science Research & Methods, Public Opinion Quarterly, Quality & Quantity, Quarterly Journal of Economics, Quarterly Journal of Political Science, Research & Politics, Review of Economics and Statistics, Security Studie, Social Problems, Social Science Research, Sociological Methods & Research, Statistical Analysis and Data Mining, Statistics in Medicine, World Development, World Politics*