

Matthew B. Ross

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Citizenship and Clearance

U.S. Citizen
Special Sworn Status (U.S. Census Bureau)

Current Appointments

2018-Pres	New York University, Wagner School of Public Service, Assistant Research Professor
2018-Pres	New York University, Center for Urban Science and Progress, Research Scientist
2016-Pres	National Bureau of Economic Research (NBER), Research Scientist

Education

Ph.D. Economics, University of Connecticut, 2016
Dissertation: "The Labor Market Dynamics of Skill Biased Technical Change"
Committee: Professor Kenneth A. Couch (chair), Delia Furtado, Subhash Ray
M.A. Economics, University of Connecticut, 2014
M.A. Regional Economic Development, University of Massachusetts Lowell, 2011
B.A. Economics, University of Massachusetts Lowell, 2010

Teaching and Research Fields

Primary fields: Labor, Urban, and Public Economics
Secondary fields: Labor dynamics, discrimination, skill formation, technology spillovers, and innovation.

Job Market Paper

Endogenous Driving Behavior in Tests of Racial Profiling in Police Traffic Stops" with Stephen L. Ross and Jesse J. Kalinowski.

Abstract: African-American motorists may adjust their driving behavior in response to increased scrutiny by law enforcement, biasing tests of discrimination. We document that minority motorists are the only group less likely to have fatal motor vehicle accidents in daylight when race is more easily observed, especially within states with high rates of police shootings of African-Americans. Using data from Massachusetts and Tennessee, we also find that they are the only group of stopped motorists whose speed distribution shifts toward slower speeds in daylight. A calibrated model of motorists driving behavior indicates substantial bias in a key statistical test of racial disparities.

Publications

"The Effect of Intensive Margin Changes to Task Content on Employment Dynamics over the Business Cycle" (*Forthcoming at Industrial Labor Relations Review*)

“Now You See Me, Now You Don’t: The Geography of Police Stops” with Stephen L. Ross and Jesse J. Kalinowski. *American Economic Association P&P*, May 2019.

“Routine-Biased Technical Change: Panel Evidence of Task Orientation and Wage Effects”, *Labour Economics*. 2017.

“Predicting Medical Subject Headings (MeSH) Beyond Medline” with Vetle Torvik, Adam Kehoe, and Neil Smalheiser; *Association for Computing Machinery (ACM) Proceedings of SWM 2017 : Workshop on Scholarly Web Mining*. 2017.

“Contextualization and Integrated Basic Education and Skills Training: A National Program Review” with Couch, Kenneth and Jessica Vavrek; *Journal of Labor Research*. 2017.

Book Chapters

“The food safety research workforce and economic outcomes” with Akina Ikudo and Julia Lane, Ch. 6 of *Measuring the Economic Value of Research : The Case of Food Safety*; Edited by K. G. Husbands Fealing, S. R. Johnson, J. King, and J. I. Lane. Cambridge University Press. 2018

“Assessing the effects of food safety research on early career outcomes” with Stanley R. Johnson and John King, Chapter 8 of *Measuring the Economic Value of Research : The Case of Food Safety*; Edited by K. G. Husbands Fealing, S. R. Johnson, J. King, and J. I. Lane. Cambridge University Press. 2018

Working Papers

“Money for Something: The Link between Research Funding and Innovation” with Julia Lane, Britta Glennon, and Raviv Murciano-Goroff (R&R at *Research Policy*, 1st round)

“The Impact of French Cancer Research: A New Approach” with Gérard Chevalier, Christine Chomienne, Nicolas Guetta Jeanrenaud, and Julia Lane. (R&R at *Quantitative Science Studies*, 1st round)

“Publish or Perish: Selective Attrition as an Unifying Explanation for Lifecycle Patterns in Innovation” with Huifeng Yu, Gerald Marschke, Joseph Staudt, Bruce A. Weinberg. (Preparing for Submission)

“Addressing Seasonality in Veil of Darkness Tests for Discrimination: A Regression Discontinuity Approach” with Stephen L. Ross and Jesse J. Kalinowski. (Preparing for Submission)

Research in Progress

“Conferences, Collaborations, and the Productivity of Academic Scientists” [Working Title] with Raviv Murciano-Goroff.

“The Impact of Distance and Time Zones on Patent Collaborations” [Working Title] with Raviv Murciano-Goroff.

“Analysis of Early Exposure to Diversity on Racial Disparities in Policing” [Working Title] with Stephen L. Ross and Steve Billings.

“Experience, Formalized Training, and Police Discrimination” [Working Title] with Stephen L. Ross and Steve Mello.

“Knowledge Spillovers: Pathways between Research and Innovation” with Julia I. Lane, Joseph Staudt, and Bruce Weinberg.

“The Effects of Own and Field Career Age on Research Productivity in Biomedical Science” [Working Title] with Bruce Weinberg, Huifeng Yu, Gerald Marschke, and Joseph Staudt.

“The Veil of Cloudcover: An Alternative Measure of Visibility for Examining Discrimination in Police Stops” [Working Title] with Stephen L. Ross and Jesse J. Kalinowski.

Research Grants and Contracts

2019-2021, PI for NSF Research Award (SciSIP #1932689): “Research funding, organizational context, and transformative research: New insights from new methods and data” with Raviv Murciano-Goroff (BU), Julia Lane (NYU), and Russel Funk (UMN). Total of \$600,000 (\$320,000 NYU).

2019-2010, Fellowship at Collaborative Archive Data Research Environment (CADRE) at Indiana University. Team granted clustered computing access to Web of Science (WoS) and Microsoft Academic Graph (MAG) data.

2016-2019, Principle for Rhode Island Traffic Stop Evaluation and Officer Analysis via Institute for Municipal and Regional Policy and RI DOT/NHSTA. Total of \$222,690 from 2016-19.

2014-2019, Principle for Connecticut Traffic Stop Evaluation and Officer Analysis via Institute for Municipal and Regional Policy and CT DOT/NHSTA. Total of \$571,140 from 2014-19.

2012-2016, Subaward for Racial Disparities in State Contracting Phases 1-3 via CT Economic Resource Center and CT Academy of Science as part of a CT General Assembly award. Total of \$22,400 in 2016.

Policy Reports

State of Connecticut, Analysis of Racial Profiling in Police Traffic Stops- 10 reports.

- Partners: CT General Assembly and Office of Policy & Management (via Institute for Municipal and Regional Policy, Central CT State University)
- Public Department-Level Reports: 2018, 2017, 2015-16, 2014-15, and 2013-14 (available on website)
- Internal Officer-Level Reports: 2018, 2017, 2015-16, 2014-15, and 2013-14
- Media Coverage: NatGeo, US News, WNPR, WNPR, Marshall Project, New York Times, Reuters, New York Times, WNPR, Wall Street Journal, Hartford Courant

State of Rhode Island, Analysis of Racial Profiling in Police Traffic Stops- 4 reports.

- Partners: RI Department of Transportation (via Institute for Municipal and Regional Policy, Central CT State University)
- Public Department-Level Reports: 2018, 2017 and 2016 (available on website)
- Internal Officer-Level Reports: 2016
- Media Coverage: US News, Providence Journal

Racial Disparities in CT’s State Contracting Process (Phases 1, 2, & 3 from 2013-2016).

- Partners: CT General Assembly and CT Academy of Science and Engineering

Connecticut’s Economic Development Strategy (2013)

- Partners: CT Department of Economic and Community Development

[...] Connecticut's Skilled Workforce [...] (2012)

- Partners: CT General Assembly and CT Academy of Science and Engineering

U.S. Skills for Green Jobs (2011)

- Partners: International Labour Organization and CEDEFOP

Conference and Seminar Presentations

2019-20	American Economic Association (2019 & 2020), Georgia Tech-Policy School, NBER Productivity Seminar, University of Michigan (IRIS), University of Connecticut, NYU Crime & Policing Workshop, Society of Labor Economists, APPAM Research Conference, Conference on Empirical Legal Studies (Claremont McKenna)*, Connecticut Racial Profiling Prohibition Advisory Board*, Ohio State University*.
2018	Society of Labor Economists, Urban Economics Association, University at Albany, Ohio State University, APPAM Research Conference, Society of Labor Economists.
2017	NBER Summer Institute- Law & Economics, APPAM Research Conference, North American Regional Science Conference, Society of Labor Economists, Western Economic Association, Syracuse University
2016	Urban Economics Association, Southern Economic Association, Ohio State University, Miami University Ohio, Western Economic Association, Boston Federal Reserve Bank, Atlanta Federal Reserve Bank
2011-15	IZA/CEDEFOP Workshop on Skills and Skill Mismatch, Southern Economic Association, University of Massachusetts Lowell, CT Data Collaborative Conference, CT Racial Profile Advisory Board, CT General Assembly: Methods for an Analysis of Policing Data, Census Bureau: LEHD: Benchmarking Competitiveness in STEM, Boston Foundation, National Neighborhood Indicators Partnership, Urban Institute, NE Sociological Association, CT General Assembly: Econometric Methods for Examining Racial Disparities in CT's State Contracting Process, CT General Assembly: The Connecticut STEM Workforce Pipeline

Research Experience and Other Employment

2018-Pres	New York University, Wagner School of Public Service, Assistant Research Professor
2018-Pres	New York University, Center for Urban Science and Progress, Research Scientist
2016-Pres	National Bureau of Economic Research (NBER), Research Scientist
2016-2018	Ohio State University, Post-Doctoral Research Associate
2013-2016	Quinnipiac University, Economics Department Visiting M.BA Faculty (during PhD)
2012-2016	CT Economic Resource Center, Research Department, Affiliated Economist (during PhD)
2013-2014	University of Connecticut and Connecticut Department of Labor, Research Department, Research Assistant
2011-2013	University of Connecticut, Teaching Assistant

2011	Massachusetts Department of Revenue, Office of Tax Policy Analysis, Research Assistant
2009-2011	University of Massachusetts Lowell, Center for Industrial Competitiveness, Research Associate
2009-2010	United States Congress, Officer of Congresswoman Niki Tsongas, Congressional Aide

Professional Activities

Referee Service: European Economic Review, Labour Economics, Journal of Human Resources, Journal of Public Economics, Journal of Urban Economics, Journal of Empirical Legal Studies, Sloan Foundation (IRIS Research Awards)

Program Committee: APPAM Fall Research Conference, 2017- Science and Technology, NYU Policing and Crime Workshop 2018 (Organized w/ Ingrid Gould Ellen and Morgan Williams), Eastern Economic Association 2016.

Honors, Scholarships, and Fellowships

2017	Connecticut's Commission on Human Rights and Opportunity (Governor's Cabinet), Alvin W. Penn Award for Excellent in Civil Rights Leadership
2016	University of Connecticut, Dissertation Award
2015	IZA Conference, Travel Award
2015	Quinnipiac University, Faculty Research Award
2015	University of Connecticut, Student-Lead Summer Research Award
2014	University of Connecticut, Third Year Paper Award
2014	University of Connecticut, Student-Lead Summer Research Award
2013	University of Connecticut, Student-Lead Summer Research Award
2013	National Association of Business Economists, Policy Scholarship
2011	University of Connecticut, Fellowship
2011	University of Massachusetts, Alan D. Solomon Scholarship
2011	University of Massachusetts, Campus Catalyst Award
2009-11	University of Massachusetts, University Honors

Teaching Experience

Graduate Teaching

Spring 2020	M.A./Ph.D. Urban Economics, New York University, Wagner School of Public Service
Spring 2018	Ph.D. Regional and Urban Economics 2, Ohio State University, Department of Agriculture, Environmental, and Development Economics
Spring 2015	MBA Managerial Economics, Quinnipiac University, Business School

Undergraduate Teaching

2013-2016	Applied Statistical Methods (8 Sections), Honors Microeconomics (1 section), Principles of Macroeconomics (1 section), Game Theory (1 section), Quinnipiac University, Department of Economics
2011-2013	Principles of Macroeconomics (Teaching Assistant for 6 sections), Money and Banking (Teaching Assistant for 2 sections), University of Connecticut, Department of Economics

References

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Professor Bruce Weinberg
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