

Isaiah Andrews

1 Contact Information

MIT Department of Economics
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2 Employment

Charles E. and Susan T. Harris Professor of Economics, MIT	2024-
Professor of Economics, MIT	2023-2024
George Fisher Baker Professor of Economics, Harvard	2021-2023
Visiting Scholar, MIT	2021-2022
Professor of Economics, Harvard	2018-2021
Silverman (1968) Family Career Development Associate Professor (untenured), MIT	2017-2018
Visiting Fellow, Yale Economics	Spring 2018
Visiting Fellow, Princeton Economics	Fall 2017
Silverman (1968) Family Career Development Assistant Professor, MIT	2016-2017
Junior Fellow, Harvard Society of Fellows	2014-2017

3 Education

Ph.D. in Economics, MIT	2014
B.A. in Economics and Mathematics (with Honors), Yale University	2009

4 Publications

“True and Pseudo-True Parameters”
with Harvey Barnhard and Jacob Carlson
Econometric Theory, Forthcoming

“The Purpose of an Estimator is What it Does”
with Jiafeng Chen and Otavio Tecchio
Advances in Economics and Econometrics: Thirteenth World Congress, Forthcoming

“Communicating Scientific Uncertainty via Approximate Posteriors”
with Jesse M. Shapiro
Econometrica (2026), 94(3), 843-875

“Structural Estimation Under Misspecification: Theory and Implications for Practice”
with Nano Barahona, Matthew Gentzkow, Ashesh Rambachan, and Jesse M. Shapiro
Quarterly Journal of Economics (2025), 140(3), 1801-1855

“Inference on Winners”
with Toru Kitagawa and Adam McCloskey
Quarterly Journal of Economics (2024), 139(1), 305-358

“Inference for Linear Conditional Moment Inequalities”
with Jonathan Roth and Ariel Pakes
Review of Economic Studies (2023), 90(6), 2763-2791

“Inference for Losers”
 with Dillon Bowen, Toru Kitagawa, and Adam McCloskey
AEA Papers and Proceedings (2022), 112, 635-642

“Optimal Decision Rules for Weak GMM”
 with Anna Mikusheva
Econometrica (2022), 90(2), 715-748

“A Model of Scientific Communication”
 with Jesse M. Shapiro
Econometrica (2021), 89(5), 2117-2142

“Inference After Estimation of Breaks”
 with Toru Kitagawa and Adam McCloskey
Journal of Econometrics (2021), 224(1), 39-59

“Transparency in Structural Research”
 with Matthew Gentzkow and Jesse M. Shapiro (invited discussion paper)
Journal of Business and Economic Statistics (2020), 38(4), 711-722

“On the Informativeness of Descriptive Statistics for Structural Estimates”
 with Matthew Gentzkow and Jesse M. Shapiro (Matthew Gentzkow’s Fisher-Schultz Lecture)
Econometrica (2020), 88(6), 2231-2258

“A Simple Approximation for Evaluating External Validity Bias”
 with Emily Oster
Economics Letters (2019), 178, 58-62

“Weak Instruments in IV Regression: Theory and Practice”
 with James Stock and Liyang Sun
Annual Review of Economics (2019), 11, 727-753

“Identification of and Correction for Publication Bias”
 with Maximilian Kasy
American Economic Review (2019), 109(8), 2766-2794

“On the Structure of IV Estimands”
Journal of Econometrics (2019), 211(1), 294-307

“Valid Two-Step Identification-Robust Confidence Sets for GMM”
Review of Economics and Statistics (2018), 100(2), 337-348

“Measuring the Sensitivity of Parameter Estimates to Estimation Moments”
 with Matthew Gentzkow and Jesse M. Shapiro
Quarterly Journal of Economics (2017), 132(4), 1553-1592

“Unbiased Instrumental Variables Estimation Under Known First-Stage Sign”
 with Timothy B. Armstrong
Quantitative Economics (2017), 8(2), 479-503

“Conditional Linear Combination Tests for Weakly Identified Models”
Econometrica (2016), 84(6), 2155-2182

“The Allocation of Future Business: Dynamic Relational Contracts with Multiple Agents”
 with Daniel Barron
American Economic Review (2016), 106(9), 2742-2759

“Conditional Inference with a Functional Nuisance Parameter”

with Anna Mikusheva

Econometrica (2016), 84(4), 1571-1612

“A Geometric Approach to Nonlinear Econometric Models”

with Anna Mikusheva

Econometrica (2016), 84(3), 1249-1264

“Maximum Likelihood Inference in Weakly Identified DSGE Models”

with Anna Mikusheva

Quantitative Economics (2015), 6(1), 123-152

“Weak Identification in Maximum Likelihood: A Question of Information”

with Anna Mikusheva

American Economic Review: Papers and Proceedings (2014), 104(5), 195-199

5 Working Papers

“An LLM Workflow That Reproduces, Improves, and Extends Published Economics Research”

with Matthew D. Schwartz and Jesse M. Shapiro

“Dutch Books for Language Models”

with Suproteem Sarkar

“Revealed Rationality: Label-Free Evaluation and Regularization from Representation Theorems”

“Do Markets Believe in Transformative AI?”

with Maryam Farboodi

“The Incredible Flexibility of Moment Matching”

with Bas Sanders

“A Bayesian Critic for Frequentist Procedures”

with Simon Essig Aberg and Jesse M. Shapiro

“Misspecification-Averse Estimation”

with Ricky Li and Yucheng Shang

“Certified Decisions”

with Jiafeng Chen

“Optimal Conditional Inference in Adaptive Experiments”

with Jiafeng Chen

“GMM is Inadmissible Under Bounded Identification Strength”

with Anna Mikusheva

“The Transfer Performance of Economic Models”

with Drew Fudenberg, Lihua Lei, Annie Liang, and Chaofeng Wu

6 Honors, Awards, and Grants

American Academy of Arts and Sciences	2026
John Bates Clark Medal	2021
MacArthur Fellowship	2020
Fellow of the Econometric Society	2020
NSF Grant SES-1949047 (with Jesse Shapiro and in collaboration with Matthew Gentzkow)	2020-23
Sloan Research Fellowship	2018-20
NSF CAREER Award SES-1654234	2017-22
Robert M. Solow Prize for Excellence in Research and Teaching, MIT	2014
Review of Economic Studies Tour	2014
National Science Foundation Graduate Research Fellowship	2011-14
Ford Foundation Predoctoral Fellowship	2010-11
MIT Economics Departmental Fellowship	2009-11
Summa Cum Laude, Yale	2009
Excellence Award, Afro-American Cultural Center at Yale	2009
Phi Beta Kappa, Yale	2009
Richard U. Light Fellowship, Yale	2006
National Merit Scholarship	2005

7 Professional Activities

Organizer, NBER Summer Institute Session on New Econometric Methods	2025-
Coeditor, American Economic Review	2021-2023
Member, AEA Committee on the Status of Minority Groups in the Economics Profession	2021-
Organizing Committee, Gary Chamberlain Online Seminar in Econometrics	2020-2022
Research Associate, NBER	2018-
Organizer, NBER Working Group on Race and Stratification	2021
Program Committee, 2022 American Economic Association Meetings	2021
Associate Editor, Quarterly Journal of Economics	2020
Associate Editor, Econometrica	2020
Program Committee, Econometric Society 2021 North American Winter Meeting	2020
Associate Editor, American Economic Review	2019-2020
Associate Editor, Journal of Econometrics	2019-2020
Program Committee, Econometric Society 2019 North American Winter Meeting	2018
Consulting Researcher, Microsoft Research	2017
Faculty Research Fellow, NBER	2016-18

8 Teaching Experience

Estimation and Inference for Linear Causal and Structural Models (Graduate), MIT	2025-
Nonlinear Econometrics (Graduate), MIT	2025-
Large Scale Decisionmaking and Inference (Undergraduate and Graduate), MIT	2025-
Research and Communication in Economics (Undergraduate), MIT	Spring 2024
Econometrics (Graduate), MIT	Spring 2024
New Econometric Methods (Graduate), MIT	Spring 2024
Introduction to Data Analysis (Undergraduate), Harvard	2020-2021
Econometric Methods (Graduate), Harvard	2019-2023
Statistical Methods in Economics (Graduate), MIT	2016
Nonlinear Econometrics (Graduate), MIT	2016

9 PhD Advising: Committee Chair

Reca Sarfati, 2026 (UNSW Economics)
Bas Sanders, 2025 (SEO Amsterdam Economics)
Jiafeng Chen, 2024 (Stanford Economics)
Ashesh Rambachan, 2022 (MIT Economics)
Jonathan Roth, 2020 (Brown Economics)

10 PhD Advising: Committee Member

Haruki Kono, 2026 (Hitotsubashi University Economics)
Sylvia Klosin, 2025 (UC Davis Agricultural Economics)
Christopher Walker, 2025 (Duke Economics)
Ross Mattheis, 2024 (ISO New England)
Chika Okafor, 2024 (Northwestern Law)
Liyang Sun, 2021 (CEMFI)
Priya Shanmugam, 2020 (Mathematica Policy Research)
Andres Pablo Sarto, 2019 (Princeton Postdoc)
Tetsuya Kaji, 2018 (Chicago Booth Economics and Statistics)

11 Citizenship

USA