# Isaiah Andrews

**Contact Information**

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**Employment**

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|---|---|
| Professor of Economics, MIT | 2023- |
| 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 |

**Education**

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

**Publications**

"Inference on Winners"
with Toru Kitagawa and Adam McCloskey
*Quarterly Journal of Economics*, Conditionally Accepted

"Inference for Linear Conditional Moment Inequalities"
with Jonathan Roth and Ariel Pakes
*Review of Economic Studies*, Forthcoming

"Inference for Losers"
with Dillon Bowen, Toru Kitagawa, and Adam McCloskey
*AEA Papers and Proceedings* (2022), 112, 635-42

"Optimal Decision Rules for Weak GMM"
with Anna Mikusheva
*Econometrica* (2022), 90(2), 2117-2142

"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, 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 Weakly Identified 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 Reviews: Papers and Proceedings* (2014), 104(5), 195-199

**Working Papers**

"GMM is Inadmissible Under Weak Identification"
with Anna Mikusheva

"Included and Excluded Instruments in Structural Estimation"
with Nano Barahona, Matthew Gentzkow, Ashesh Rambachan, and Jesse Shapiro

"The Transfer Performance of Economic Models"
with Drew Fudenberg, Annie Liang, and Chaofeng Wu

**Honors, Awards, and Grants**

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|---|---|
| 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 Reasearch 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 |

**Professional Activities**

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|---|---|
| Coeditor, American Economic Review | 2021- |
| Member, AEA Committee on the Status of Minority Groups in the Economics Profession | 2021- |
| Organizing Committee, Gary Chamberlain Online Seminar in Econometrics | 2020- |
| 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 |

**Teaching Experience**

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|---|---|
| Introduction to Data Analysis (Undergraduate), Harvard | 2020- |
| Econometric Methods (Graduate), Harvard | 2019- |
| Statistical Methods in Economics (Graduate), MIT | 2016 |
| Nonlinear Econometrics (Graduate), MIT | 2016 |

**Seminar Presentations**

**2022** Bristol-Warwick Online Seminar, CEMFI, Duke, FGV Sao Paulo, Georgetown, Microsoft Research New England, MIT Stochastics and Statistics Seminar, Notre Dame, Panmure House Edinburgh, Tulane University, University of Chicago Workshop on Quantitative Methods, Universitat Pompeu Fabra, Wisconsin

**2021** Aarhus, Berkeley, Chicago, Stanford, Toronto, Toulouse School of Economics, UCL, Wharton

**2020** CUHK, Melbourne Online Econometrics Seminar, UCSB, USC

**2019** Boston College, Columbia University, Georgia State University, Miami University of Ohio, NYU, Rice University, Texas A&M University, UC Davis, UCLA, UT Austin

**2018** Berkeley, Brandeis, Harvard/MIT, Harvard Statistics, Johns Hopkins, UC Irvine, UCLA, UConn, UCSD, Wisconsin, Yale

**2017** Brown, Carlos III, CEMFI, CREST, Harvard Applied Statistics, Montreal Econometrics Seminar, Penn State, Princeton, Simon Fraser University, Toulouse School of Economics, UPenn

**2016** Chicago, Columbia, Erasmus, ITAM, MIT, Ohio State, Stanford (Econ and GSB), Tilberg, Tinbergen Institute

**2015** Boston University, Chicago Booth- Marketing, Maryland- Baltimore County, Maryland- College Park, Michigan- Ann Arbor, LSE, Oxford, UCL, Wesleyan, Yale

**2014** Brown, Cambridge, Chicago Booth- Econometrics and Statistics, Colegio Carlo Alberto, Columbia, Cornell, FGV, INSEAD, Penn State, Princeton, Northwestern, NYU, UPenn, Wisconsin-Madison, Yale

**Conference Presentations**

Cornell-Penn State Joint IO and Econometrics Conference 2022, California Econometrics Conference 2022, International Conference on Multiple Comparison Procedures 2022, National Association of Business Economists TECH Conference 2022, European Winter Meetings of the Econometric Society 2021, Online Causal Inference Seminar 2021, Code@MIT 2021, Chamberlain Seminar 2021, Chamberlain Seminar 2020, NBER Summer Institute (Labor Studies) 2020, Econometric Society World Congress 2020, $EC^2$ Conference 2019, UCL Advances in Econometrics Conference 2018, Restud Conference 2018, Vanderbilt Conference on Identification 2018, CEF 2017, Duke DITE conference 2017, Tinbergen Institute Conference on Inference Issues in Econometrics 2017, Duke CEME Conference 2016, Oxford Conference on New Approaches to the Identification of Macroeconomic Models 2016, Econometric Society World Congress 2015, Chicago Interactions Conference 2014, WISE Conference in Honor of Jerry Hausman 2014, Cowles Summer Conference 2014, NBER Summer Institute 2013, Econometric Society North American Winter Meeting 2012, 2013, 2015, Canadian Econometrics Study Group 2011