Matthew Alan Masten

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Last updated: January 1, 2021

Positions

Kathleen Kaylor and G. Richard Wagoner, Jr. Assistant Professor of Economics, Duke University, July 2019–present
Assistant Professor, Duke University, Department of Economics, July 2013–June 2019

Visiting

Visiting Assistant Professor, UC–Berkeley, Department of Economics, March–May 2017
Visiting Assistant Professor, UCL, Department of Economics, Sept–Nov 2016
Visiting Assistant Professor, MIT, Department of Economics, Oct–Dec 2015

Shorter visits

Visiting Assistant Professor, Northwestern University, Dept. of Economics, Sept 25–29, 2017
Professeur Invité, Toulouse School of Economics, Nov 14–25, 2016

Education

PhD in Economics, Northwestern University, 2013
Dissertation: "Equilibrium Models in Econometrics"
Dissertation Committee: Charles Manski (chair), Elie Tamer, Ivan Canay

MA in Economics, Northwestern University, 2009

BA in Economics and Statistics, University of Florida, 2008
Valedictorian, *Summa Cum Laude*

BS in Mathematics, University of Florida, 2008

Areas of specialization

Econometrics, Sensitivity Analysis, Instrumental Variable Methods

Research

Published papers

[7] "Salvaging Falsified Instrumental Variable Models" (Dec 2019), with Alexandre Poirier, *Econometrica (forthcoming)*

[6] "Inference on Breakdown Frontiers" (2020), with Alexandre Poirier, *Quantitative Economics*

[5] "A Practical Guide to Compact Infinite Dimensional Parameter Spaces" (2019), with Joachim Freyberger, *Econometric Reviews*

[4] "Identification of Treatment Effects under Conditional Partial Independence" (2018), with Alexandre Poirier, *Econometrica*

[3] "Random Coefficients on Endogenous Variables in Simultaneous Equations Models" (2018), *The Review of Economic Studies*

[2] "Identification of Instrumental Variable Correlated Random Coefficients Models" (2016), with Alexander Torgovitsky, *The Review of Economics and Statistics*

[1] "A Specification Test for Discrete Choice Models" (2013), with Mark Chicu, *Economics Letters*

Working papers

"Assessing Sensitivity to Unconfoundedness: Estimation and Inference," with Alexandre Poirier and Linqi Zhang (Dec 2020)

"`ivcrc`: An Instrumental Variables Estimator for the Correlated Random Coefficients Model" (June 2020), with David Benson and Alexander Torgovitsky, *Revision Requested*

"Interpreting Quantile Independence," with Alexandre Poirier (April 2018)

"Partial Independence in Nonseparable Models" with Alexandre Poirier (June 2016); *Portions of this paper appear in [4]*

"Instrumental Variables Estimation of a Generalized Correlated Random Coefficients Model," with Alexander Torgovitsky (January 2014); *Portions of this paper appear in [2]*

Other published work

"How Should the Graduate Economics Core be Changed?" (2011), with Jose Miguel Abito, Katarina Borovickova, Hays Golden, Jacob Goldin, Miguel Morin, Alexandre Poirier, Vincent Pons, Israel Romem, Tyler Williams, and Chamna Yoon, *The Journal of Economic Education*

Honors, grants, & fellowships

Post-PhD

NSF CAREER Grant
Title: "Sensitivity Analysis in Econometrics"
Dates: July 1, 2020 to June 30, 2025
Award #1943138

Pre-PhD

Graduate Research Grant, The Graduate School, Northwestern University, 2012
Distinguished Teaching Assistant, Dept. of Economics, Northwestern University, 2010
Graduate Fellowship, Dept. of Economics, Northwestern University, 2008-2009
Outstanding Four Year Scholar, University of Florida, 2008
University Scholars Program Grant, University of Florida, 2007

Professional activities

Conference and seminar presentations

2020: Econometric Society World Congress, University of Southern California

2019: University of Mannheim, Stata Conference in Chicago, The Georgetown Center for Economic Research Mini-Conference on Non-Standard Methods in Econometrics, the 2019 CEMMAP UCL/Vanderbilt Conference on Advances in Econometrics, Southern Economic Association Meetings

2018: Winter Econometric Society Meetings, Vanderbilt/CeMMAP Conference on Identification in Econometrics, Northwestern Econometrics Alumni Conference, Western Economic Association International Conference, CEME, Cornell, Yale MacMillan-CSAP Methods Seminar

2017: University of Pennsylvania, UC Berkeley, Yale, University of Chicago Interactions Workshop, University of Wisconsin, Northwestern University, Auburn University, Triangle Econometrics Conference

2016: University of Chicago, University of Virginia, UC Davis, Summer Econometric Society Meetings (North American, China, and Asian), University of Texas-Austin, University College London, Cambridge University, University of Bristol, University of Leicester, London School of Economics, Toulouse School of Economics

2015: University of Tokyo, Princeton University, Columbia University, Cowles Summer Econometrics Conference, MIT/Harvard, Boston University, Triangle Econometrics Conference

2014: Cowles Summer Econometrics Conference

2013: UCLA, University of Pittsburgh, Duke University, University of Chicago Booth School of Business, Federal Reserve Board of Governors, Midwest Economics Association Annual Meeting, CEME Stanford/UCLA Conference, Boston College, University of Iowa, MIT/Harvard, The Ohio State University, Triangle Econometrics Conference, University College London, 7th International Conference on Computational and Financial Econometrics

Associate Editor

Annals of Economics and Statistics, July 2019–

Refereeing

AEJ: Applied Economics, Bernoulli, Econometrica, Econometric Theory, Econometrics Journal, Journal of the American Statistical Association, Journal of Business and Economic Statistics, Journal of Applied Econometrics, Journal of Econometrics, Journal of Economic Education, Journal of Political Economy, National Science Foundation, Quantitative Economics, Review of Economics and Statistics, Review of Economic Studies

Department Service

PhD Admissions Committee, Spring 2014, 2015, 2017, 2018, 2019, 2020
Junior Recruiting Committee, Fall 2015

PhD advising

Current students (committee member), with expected graduation year

Jackson Bunting (2021)
Andrea Kiss (2021)
Paul Diegert (2022)
Sarah Raviola (2023)

Former students (committee member), with first placement

2018: Margaux Luflade, University of Pennsylvania
2017: Luis Candelaria Barrera, University of Warwick
2017: Fu Ouyang, Nankai University
2016: Takuya Ura, University of California–Davis
2016: Yichong Zhang, Singapore Management University

Teaching

Duke University

Causal Inference Bootcamp (interdisciplinary workshop and online module series), Summer 2013, 2014–2015

Advanced Econometrics (undergraduate), Spring 2019, 2020

First year PhD Econometrics 1, Fall 2020

First year PhD Econometrics 2 (first half), Spring 2015, 2016, 2017, 2018, 2019, 2020

Second year PhD courses:

- Econometrics 3 (first half), Fall 2020
- Nonparametric Sieve Estimation, Spring 2014, 2017
- The Econometrics of Equilibrium and Simultaneity, Spring 2016, 2018
- Robustness and Sensitivity, Spring 2019

Toulouse School of Economics

Simultaneous Equations: Past and Present (mini-course), Fall 2016

MIT

First year PhD Econometrics 1 (second half), Fall 2015

Northwestern University

When Exogeneity Fails: Systematic Methods for Robustness Checks (mini-course), Fall 2017

First year PhD econometrics sequence, teaching assistant for Charles Manski (Fall 2010, 2011), Joel Horowitz (Winter 2010), and Elie Tamer (Spring 2010)

Probability and Statistics, teaching assistant for Ivan Canay, Fall 2009