

**JONATHAN ROTH**

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**Employment:**

2020- Senior Researcher, Microsoft Office of the Chief Economist  
2021- Assistant Professor, Brown University Department of Economics

**Education:**

Ph.D, Economics, Harvard University, 2020  
Dissertation title: “Essays in Robust Inference”  
Dissertation committee: Isaiah Andrews (chair), Elie Tamer, Lawrence Katz

B.A., Economics and Mathematics, University of Pennsylvania, *summa cum laude*, 2013

**Teaching and Research Fields:**

Primary fields: Econometrics  
Secondary fields: Labor Economics, Machine Learning

**Teaching Experience:**

Spring 2018 The Econometrics of Machine Learning (graduate), Harvard University, Professor  
Sendhil Mullainathan

**Other Experience:**

2016-2018 Research Assistant for Professor Isaiah Andrews  
2015 Research Assistant for Professors Lawrence Katz and Claudia Goldin  
2013-2014 Analyst, Cornerstone Research

**Honors, Scholarships, and Fellowships:**

2020 David A. Wells Prize for best dissertation in economics (Harvard)  
2019 Harvard Dissertation Completion Fellowship  
2016-2018 National Science Foundation Graduate Research Fellowship  
2013 Shanbaum Prize for Excellence in Undergraduate Economics (UPenn)  
2012 Simon Kuznets Fellowship Award in Economics (UPenn)

**Publications:**

“Bias In, Bias Out? Evaluating the Folk Wisdom” (with Ashesh Rambachan) 1st Symposium on the Foundations of Responsible Computing (FORC 2020), LIPIcs, 156, Pp. 6:1-6:15.

**Working Papers:**

“Why Do Sectoral Employment Programs Work? Evidence from WorkAdvance?” (with Lawrence F. Katz, Richard Hendra, and Kelsey Schaberg)

“When Is Parallel Trends Sensitive to Functional Form?” (with Pedro H.C. Sant’Anna)

“Design-Based Uncertainty for Quasi-Experiments” (with Ashesh Rambachan)

“An Honest Approach to Parallel Trends” (with Ashesh Rambachan)

“Pre-test with Caution: Event-study Estimates After Testing for Parallel Trends”

“Inference for Linear Conditional Moment Inequalities” (with Isaiah Andrews and Ariel Pakes)  
Revision requested, *Review of Economic Studies*

“Union Reform and Teacher Turnover: Evidence from Wisconsin’s Act 10”

**Conferences and Invited Presentations:**

2020	University of Chicago (Booth), Princeton University, Philadelphia Federal Reserve Bank, Brown University, Dartmouth University, University of Michigan, Microsoft, Yale University, Brandeis University, University College London, University of Rochester, UC-Davis, Southern Economic Association Annual Conference
2019	Econometrics International PhD Conference (Erasmus University of Rotterdam), American Educational Research Association Annual Conference, Quantco

**Professional Service:** Referee for *American Economic Journal: Economic Policy*, *Econometrica*, *Journal of Business & Economics Statistics*, *Journal of Econometrics*, *Journal of the American Statistical Association*, *Journal of Public Economics*, *Review of Economic Studies*, *Review of Economics and Statistics*, *Quarterly Journal of Economics*