**JONATHAN ROTH**
https://jonathandroth.github.io
jonathan_roth@brown.edu

**Employment:**

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

**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:**

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

**Other Experience:**

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| 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:**

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| 2021 | Arnold Zellner Thesis Award in Econometrics and Statistics – Honorable Mention |
| 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 and forthcoming papers:**

"Why Do Sectoral Employment Programs Work? Evidence from WorkAdvance?" (with Lawrence F. Katz, Richard Hendra, and Kelsey Schaberg) Forthcoming, *Journal of Labor Economics (Special Issue in Honor of Alan Krueger)*

"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:**

"Efficient Estimation for Staggered Rollout Designs" (with Pedro H.C. Sant'Anna)

"When Is Parallel Trends Sensitive to Functional Form?" (with Pedro H.C. Sant'Anna) Revision requested, *Econometrica*

"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" Conditionally accepted, *American Economic Review: Insights*

"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, Seminars, and Invited Presentations (including upcoming):**

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| 2021 | Gary Chamberlain Online Seminar in Econometrics, Berkeley Causal Inference Reading Group, Society of Labor Economics Annual Conference, University of Ottawa (DiD Reading Group), University of Washington (CHOICE), International Association for Applied Econometrics Annual Conference, Cowles Foundation Econometrics Conference, North American Summer Meetings of the Econometric Society, University of Pennsylvania, University of California – Berkeley (Economics), University of Maryland, Columbia University, University of Strathclyde, Southern Economic Association Annual Conference, University of Manheim, CREST/PSE |
| 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, Educational Policy, Journal of Applied Econometrics, Journal of Business & Economics Statistics, Journal of Econometrics, Journal of the American Statistical Association, Journal of the European Economic Association, Journal of Public Economics, Proceedings of the National Academy of Sciences, Review of Economic Studies, Review of Economics and Statistics, Quantitative Economics, Quarterly Journal of Economics*

Program committee for SOLE Annual Conference (2021); NeurIPS 2021 Workshop on Machine Learning Meets Econometrics (MLECON)

**Statistical Software:** (Co-)Developer of HonestDiD (R language), pretrends (R language), and staggered (R and Stata language) packages