

Jason Poulos

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PROFESSIONAL APPOINTMENTS	Harvard Medical School , Boston, MA Postdoctoral Fellow in Data Science, Department of Health Care Policy, 2021 – Duke University and SAMSI , Durham, NC Postdoctoral Associate, Department of Statistical Science, 2019 – 2021 Postdoctoral Associate, SAMSI, 2019 – 2021	
EDUCATION	University of California, Berkeley Ph.D., Political Science with a Designated Emphasis in Computational Science and Engineering, 2019 M.A., Political Science, 2014 University of Massachusetts, Amherst B.A., Economics, 2008 (Phi Beta Kappa)	
REFEREED ARTICLES	Jason Poulos and Shuxi Zeng (2021+). “RNN-Based Counterfactual Prediction, with an Application to Homestead Policy and Public Schooling.” Accepted, <i>Journal of the Royal Statistical Society, Series C</i> . Jason Poulos (2021+). “Amnesty Policy and Elite Persistence in the Postbellum South: Evidence from a Regression Discontinuity Design.” Accepted, <i>Journal of Historical Political Economy</i> , 1(3). Jason Poulos and Rafael Valle (2021). “Character-Based Handwritten Text Transcription with Attention Networks.” <i>Neural Computing & Applications</i> . Kellie Ottoboni and Jason Poulos (2020). “Estimating Population Average Treatment Effects from Experiments with Noncompliance.” <i>Journal of Causal Inference</i> , 8(1): 108-130. Jason Poulos (2019). “Land Lotteries, Long-term Wealth, and Political Selection.” <i>Public Choice</i> , 178(1): 217-230. Jason Poulos and Rafael Valle (2018). “Missing Data Imputation for Supervised Learning.” <i>Applied Artificial Intelligence</i> 32(2): 186-196.	

MANUSCRIPTS UNDER REVIEW	<p>“Adversarial Machine Learning: Bayesian Perspectives” (with David Rios Insua, Roi Naveiro, and Victor Gallego). Revisions requested, <i>Journal of the American Statistical Association – Reviews</i>. arXiv:2003.03546.</p> <p>“Are Deep Learning Models Superior for Missing Data Imputation in Large Surveys? Evidence from an Empirical Comparison” (with Zhenhua Wang, Olanrewaju Akande, and Fan Li). arXiv:2103.09316.</p> <p>“Retrospective Causal Inference via Matrix Completion, with an Evaluation of the Effect of European Integration on Labour Market Outcomes” (with Andrea Albanese, Fan Li, and Andrea Mercatanti). arXiv:2106.00788.</p> <p>“State-Building through Public Land Disposal? An Application of Matrix Completion for Counterfactual Prediction.” arXiv:1903.08028.</p>
PROFESSIONAL SERVICE	<p>Conference Reviewer: NeurIPS Workshop on Machine Learning and the Physical Sciences (2019, 2020); Uncertainty in Artificial Intelligence (UAI, 2021)</p> <p>Book Reviewer: Springer Mathematics</p> <p>Journal Reviewer: <i>Applied Artificial Intelligence; Distributed and Parallel Databases; Economics & Politics; European Journal of Operational Research; Frontiers in Big Data – Data Mining and Management; Journal of Applied Econometrics; Statistics and Public Policy</i></p>
GRANTS AND FELLOWSHIPS	<p>PI, National Science Foundation Frontera Startup Allocation: “RNN-Based Counterfactual Prediction on High-Dimensional Longitudinal Health Data” (SES20001), 2020-2021</p> <p>PI, National Science Foundation XSEDE Startup Allocation: “RNN-Based Counterfactual Time-Series Prediction” (SES180010), 2018-2019, 2020-2021 (\$2,172)</p> <p>Berkeley Empirical Legal Studies Graduate Fellowship, University of California, Berkeley, School of Law, 2016-2017 (\$1,000)</p> <p>National Science Foundation Graduate Research Fellowship, 2013-2018</p>
CONFERENCE & WORKSHOP PRESENTATIONS	<p>Advances in Interdisciplinary Statistics and Combinatorics (AISC, 2021)</p> <p>Joint Statistical Meetings (JSM, 2021)</p> <p>“Slavery & Its Legacies Symposium” (USC Bedrosian Center, 2021)</p> <p>Society for Political Methodology (PolMeth, 2020; PolMeth Europe, 2021)</p> <p>“Big Data Meets Survey Science” (BigSurv20, 2020)</p> <p>“Data Science, Statistics & Visualization” (DSSV, 2020)</p> <p>American Political Science Association (APSA, 2014[*], 2015, 2018[†])</p> <p>Midwest Political Science Association (MPSA, 2018)</p> <p>[*]poster presentation; [†]discussant</p>

OTHER Research Support Associate, Department of Political Science, **MIT**, 2011 - 2013
PROFESSIONAL Research Assistant, Department of Economics, **Harvard University**, 2010 - 2011
EXPERIENCE Research Assistant, Harvard Kennedy School, **Harvard University**, 2009 - 2010

TECHNICAL **Languages:** R (expert); Python (moderate); bash (moderate); C/C++/UPC (novice)
SKILLS **VCS:** git + github; SVN
 Frameworks & libraries: TensorFlow; Keras; scikit-learn; Open MPI
 Operating systems: Linux (CentOS; Ubuntu)