

# Jason Poulos

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PROFESSIONAL APPOINTMENTS	<b>Harvard Medical School</b> , Boston, MA Postdoctoral Fellow in Data Science, Department of Health Care Policy, 2021 –  <b>Duke University</b> and <b>SAMSI</b> , Durham, NC Postdoctoral Associate, Department of Statistical Science, 2019 – 2021 Postdoctoral Associate, SAMSI, 2019 – 2021	
EDUCATION	<b>University of California, Berkeley</b> Ph.D., Political Science with a Designated Emphasis in Computational Science and Engineering, 2019  M.A., Political Science, 2014  <b>University of Massachusetts, Amherst</b> 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 &amp; 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>. <a href="#">arXiv:2003.03546</a>.</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). <a href="#">arXiv:2103.09316</a>.</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).</p> <p>“State-Building through Public Land Disposal? An Application of Matrix Completion for Counterfactual Prediction.” <a href="#">arXiv:1903.08028</a>.</p>
PROFESSIONAL SERVICE	<p><b>Conference Reviewer:</b> NeurIPS Workshop on Machine Learning and the Physical Sciences (2019, 2020); Uncertainty in Artificial Intelligence (UAI, 2021)</p> <p><b>Book Reviewer:</b> Springer Mathematics</p> <p><b>Journal Reviewer:</b> <i>Alexandria Engineering Journal</i>; <i>Applied Artificial Intelligence</i>; <i>Applied Sciences</i>; <i>Distributed and Parallel Databases</i>; <i>Economics &amp; Politics</i>; <i>European Journal of Operational Research</i>; <i>Frontiers in Big Data – Data Mining and Management</i>; <i>Statistics and Public Policy</i></p>
GRANTS AND FELLOWSHIPS	<p>PI, <b>National Science Foundation</b> Frontera Startup Allocation: “RNN-Based Counterfactual Prediction on High-Dimensional Longitudinal Health Data” (SES20001), 2020-2021</p> <p>PI, <b>National Science Foundation</b> XSEDE Startup Allocation: “RNN-Based Counterfactual Time-Series Prediction” (SES180010), 2018-2019, 2020-2021 (\$2,172)</p> <p>Berkeley Empirical Legal Studies Graduate Fellowship, <b>University of California, Berkeley</b>, School of Law, 2016-2017 (\$1,000)</p> <p><b>National Science Foundation</b> Graduate Research Fellowship, 2013-2018</p>
CONFERENCE & WORKSHOP PRESENTATIONS	<p>Advances in Interdisciplinary Statistics and Combinatorics (AISC, 2021)</p> <p>“Slavery &amp; 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 &amp; Visualization” (DSSV, 2020)</p> <p>American Political Science Association (APSA, 2014*, 2015, 2018<sup>†</sup>)</p> <p>Midwest Political Science Association (MPSA, 2018)</p> <p>*<i>poster presentation</i>; <sup>†</sup><i>discussant</i></p>
OTHER PROFESSIONAL EXPERIENCE	<p>Research Support Associate, Department of Political Science, <b>MIT</b>, 2011 - 2013</p>

Research Assistant, Department of Economics, **Harvard University**, 2010 - 2011  
Research Assistant, Harvard Kennedy School, **Harvard University**, 2009 - 2010

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