Jason Poulos

CONTACT

Department of Statistical Science
Duke University Box 90251
Durham, NC 27708

jason.poulos@duke.edu
jasonvpoulos.com
github.com/jvpoulos

EDUCATION

University of California, Berkeley
Ph.D., Political Science with a Designated Emphasis in Computational Science and Engineering, 2019

M.A., Political Science, 2014

Massachusetts Institute of Technology
Non-degree graduate coursework in Economics, 2011-2013

Harvard University
Non-degree graduate coursework in Economics, 2010

University of Massachusetts, Amherst
B.A., Economics, Phi Beta Kappa, 2008

PROFESSIONAL APPOINTMENTS

Duke University and **SAMSI**, Durham, NC
Postdoctoral Associate, Department of Statistical Science, August 2019 –
Faculty Mentor: Prof. Fan Li

REFEREED ARTICLES

Jason Poulos (2019). "Land Lotteries, Long-term Wealth, and Political Selection." *Public Choice*, 178(1): 217-230.

Jason Poulos and Rafael Valle (2018). "Missing Data Imputation for Supervised Learning." *Applied Artificial Intelligence* 32(2): 186-196.

PAPERS UNDER REVIEW

"RNN-Based Counterfactual Prediction, with an Application to Homestead Policy and Public Schooling." **Invited to Revise & Resubmit, *Journal of the Royal Statistical Society, Series C***. arXiv:1712.03553.

"Estimating Population Average Treatment Effects from Experiments with Non-compliance" (with Kellie Ottoboni). **Revise & Resubmit (third round), *Journal of Causal Inference***. arXiv:1901.02991.

"State-Building through Public Land Disposal? An Application of Matrix Completion for Counterfactual Prediction." arXiv:1903.08028.

"Character-Based Handwritten Text Transcription with Attention Networks" (with Rafael Valle). arXiv:1712.04046.

"Adversarial Machine Learning: Perspectives from Adversarial Risk Analysis" (with David Rios Insua, Roi Naveiro, and Victor Gallego). arXiv:2003.03546.

Grants and Fellowships

PI, **National Science Foundation** Frontera Startup Allocation: "RNN-Based Counterfactual Prediction on High-Dimensional Longitudinal Health Data" (SES20001), 2020-2021

PI, **National Science Foundation** XSEDE Startup Allocation: "RNN-Based Counterfactual Time-Series Prediction" (SES180010), 2018-2019, 2020-2021 ($1,647)

Berkeley Empirical Legal Studies Graduate Fellowship, **University of California, Berkeley**, School of Law, 2016-2017 ($1,000)

National Science Foundation Graduate Research Fellowship, 2013-2018

Other Professional Experience

Research Support Associate, Department of Political Science, **Massachusetts Institute of Technology**, 2011 - 2013
Research Assistant, Department of Economics, **Harvard University**, 2010 - 2011
Research Assistant, Harvard Kennedy School, **Harvard University**, 2009 - 2010

Invited Talks

"Statistical Methods for Computational Advertising" Workshop, Banff International Research Station, April, 2020

Conference Presentations

American Political Science Association 2014 (poster), 2015 (paper), 2018 (paper; discussant)

Midwest Political Science Association 2018 (paper)

Teaching & Mentoring

Graduate Student Instructor, Department of Political Science, **University of California, Berkeley**, 2017 - 2019

Introduction to American Politics (undergraduate) with Prof. Paul Pierson, spring 2017 and spring 2018

Introduction to Empirical Analysis & Quantitative Methods (undergraduate) with Prof. Andrew Little, fall 2018

Research Mentor, Undergraduate Research Apprentice Program (URAP), **University of California, Berkeley**, fall 2016 and spring 2017

Service

Reviewer: *Economics & Politics*; *European Journal of Operational Research*; *NeurIPS 2019*; Springer (Mathematics program); *Statistics and Public Policy*