

Jason Poulos

CONTACT

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Durham, NC 27708

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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 to *Journal of the Royal Statistical Society, Series C***. [arXiv:1712.03553](https://arxiv.org/abs/1712.03553).

“Estimating Population Average Treatment Effects from Experiments with Non-compliance” (with Kellie Ottoboni). **Revised & Resubmitted, *Journal of Causal Inference***. [arXiv:1901.02991](https://arxiv.org/abs/1901.02991).

“State-Building through Public Land Disposal? An Application of Matrix Completion for Counterfactual Prediction.” **Revised & Resubmitted, *Journal of the Royal Statistical Society, Series A***. [arXiv:1903.08028](https://arxiv.org/abs/1903.08028).

“Character-Based Handwritten Text Transcription with Attention Networks”
(with Rafael Valle). [arXiv:1712.04046](https://arxiv.org/abs/1712.04046).

GRANTS AND
FELLOWSHIPS

PI, **National Science Foundation** XSEDE Startup Allocation: “RNN-Based Counterfactual Time-Series Prediction” (SES180010), 2018-2019
Berkeley Empirical Legal Studies Graduate Fellowship, **University of California, Berkeley**, School of Law, 2016-2017
National Science Foundation Graduate Research Fellowship, 2013-2018

TEACHING
INTERESTS

Applied Machine Learning; Causal Inference; Empirical Political Economy

TEACHING &
MENTORING
EXPERIENCE

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

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

CONFERENCE
PRESENTATIONS

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

SERVICE

Reviewer: *Economics & Politics*; “Machine Learning and the Physical Sciences” workshop at *NeurIPS 2019*; *Statistics and Public Policy*