

# Jason Poulos

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## CONTACT

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🔗 <https://github.com/jvpoulos>

## EDUCATION

### University of California, Berkeley

Ph.D., Political Science with a Designated Emphasis in Computational and Data Science and Engineering (*Expected May 2019*)

*Coursework:* Applied & Theoretical Statistics; Causal Inference; Deep Learning; Machine Learning; Nonparametric Statistics; Parallel Computing; Statistical Computing

M.A., Political Science, 2014

### University of Massachusetts, Amherst

B.A., Economics, Phi Beta Kappa, 2008

### Massachusetts Institute of Technology

Special Graduate Student, 2011-2013

### Harvard University

Non-degree graduate coursework, 2010

## REFEREED ARTICLES

Jason Poulos and Rafael Valle (2018). “[Missing Data Imputation for Supervised Learning.](#)” *Applied Artificial Intelligence* 32(2): 186-196. [\[Code\]](#)

## PROJECTS

“[Building State Capacity through Public Land Disposal: An Application of RNN-Based Counterfactual Time-Series Prediction](#)”

**Invited for Resubmission to *Journal of the Royal Statistical Society, Series A***

“[Character-Based Handwritten Text Transcription with Attention Networks](#)”  
(with Rafael Valle) [\[Code\]](#)

“[RNN-Based Counterfactual Time-Series Prediction](#)”

“[Estimating Population Average Treatment Effects from Experiments with Noncompliance](#)” (with Kellie Ottoboni)

**Invited for Resubmission to *Journal of Causal Inference***

“Land Lotteries, Long-term Wealth, and Political Selection” [Code]  
**Revise & Resubmit at *Public Choice***

GRANTS AND  
FELLOWSHIPS

Principal Investigator, NSF 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

NSF Graduate Research Fellowship, 2013-2018

PROFESSIONAL  
EXPERIENCE

**MIT Department of Political Science**, Cambridge, MA

*Research Support Associate*

August 2011 – May 2013

- R and Stata programming for RCT on information interventions in East Africa

**National Bureau of Economic Research (NBER)**, Cambridge, MA

*Research Assistant*

November 2010 – April 2011

- Stata programming for project on for-profit higher education sector

**Harvard Decision Science Laboratory**, Cambridge, MA

*Research Assistant*

October 2009 – November 2010

- Subject recruitment and experimentation in behavioral decision making

TECHNICAL  
SKILLS

**Languages:** R (expert); Python (moderate); bash (novice); C/C++/UPC (novice)

**VCS:** git + github

**Frameworks & libraries:** Keras; TensorFlow; scikit-learn; Open MPI

**Operating systems:** Linux (Ubuntu)

REFERENCES

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