

Education

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| Ph.D., Political Science. University of Wisconsin-Madison. | 2011 |
| Dissertation Title: “Data-Driven Discovery for Political Science.” | |
| Advisor: David L. Weimer | |
| M.S., Statistics. University of Wisconsin-Madison. | 2010 |
| M.A., Political Science. University of Wisconsin-Madison. | 2010 |
| B.A., College Scholar. Cornell University. | 2000 |
| Honors Thesis: “A Formal Model For Estimating PAC Preferences Over Legislators.” | |
| Advisor: Walter R. Mebane, Jr. | |

Positions

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| Assistant Professor, Department of Politics, Princeton University | 2013- |
| Lecturer, Department of Politics and Woodrow Wilson School of Public and International Affairs, Princeton University. | 2012-2013 |
| Postdoctoral Fellow in the Program for Quantitative and Analytical Political Science, Princeton University. | 2011-2012 |
| Predocotrual Fellow in the Program for Quantitative and Analytical Political Science, Princeton University. | 2010-2011 |

Awards

- Gosnell Prize for Excellence in Political Methodology, for “Sparse Estimation with Uncertainty: Subgroup Analysis in Large Dimensional Designs.” With Dustin Tingley. July 22, 2016.
- Thomas R. Ten Have Memorial Award for Best Poster, for “Identification of Treatment Effect Heterogeneity as a Variable Selection Problem.” With Kosuke Imai. Atlantic Causal Inference Conference, Ann Arbor. May 20, 2011.
- Nomination for Best Paper, for “Identification of Treatment Effect Heterogeneity as a Variable Selection Problem.” With Kosuke Imai. Annual Midwest Political Science Association Meeting, Chicago. April 1, 2011.
- Department of Political Science Teaching Award. University of Wisconsin-Madison. Fall, 2007.

Research

Publications in Refereed Journals

- “The Effects of Political Institutions on the Extensive and Intensive Margins of Trade.” Forthcoming, *International Organization*. With In Song Kim and John Londregan.
- “Estimating Spatial Preferences from Votes and Text .” 2018. *Political Analysis*. 26(2): 210-229. With In Song Kim and John Londregan.
- “Sparse Estimation with Uncertainty: Subgroup Analysis in Large Dimensional Designs.” 2017. *Political Analysis*. 25(1): 1-40. Lead Article. With Dustin Tingley.
- “Robust Estimation of Inverse Propensity Weights for Marginal Structural Models.” 2015, *Journal of the American Statistical Association*. 110(511): 1013-1023. Lead Article. With Kosuke Imai.

“Covariate Balancing Propensity Score.” 2014. *Journal of the Royal Statistical Society: Series B*. 76(1): 243-263. With Kosuke Imai.

“Estimating Treatment Effect Heterogeneity in Randomized Program Evaluation.” 2013. *Annals of Applied Statistics*. 7(1): 443-470. With Kosuke Imai.

“Finding Jumps in Otherwise Smooth Curves: Identifying Critical Events in Political Processes.” 2010. *Political Analysis* 18(1): 57-77. With Kevin H. Eng.

Working Papers

“Scaling Data from Multiple Sources: Analyzing FOMC Deliberations.” With Ted Enamorado and Gabriel Lopez-Moctezuma. Resubmitted, *Political Analysis*.

“Rehabilitating the Regression: Honest and Valid Causal Inference through Machine Learning.” Under review.

“Subgroup Analysis: Promises, Pitfalls, and Honest Inference.” Solicited chapter for *Advances in Experimental Political Science*, Cambridge University Press.

“Causal Inference through the Method of Direct Estimation.” With Dustin Tingley.

“Bicoordinate Descent for the LASSO.” With In Song Kim and John Londregan.

“Sparse Multilevel Regression and Poststratification.” With Max Goplerud, Shiro Kuriwaki, and Dustin Tingley.

Published Software

“sparsereg: R package for Sparse Bayesian Models for Regression, Subgroup Analysis, and Panel Data.” With Dustin Tingley. Available through the Comprehensive R Archive Network.

“CBPS: R Package for Covariate Balancing Propensity Score.” With Kosuke Imai and Christian Fong. Available through the Comprehensive R Archive Network.

“FindIt: R Package for Estimating Heterogeneous Treatment Effects.” With Kosuke Imai. Available through the Comprehensive R Archive Network.

Teaching Experience

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| Assistant Professor and Lecturer, Princeton University | 2012- |
| Undergraduate and Graduate: Quantitative Analysis and Politics; Applied Quantitative Analysis; Policy Research Seminar | 2006-2010 |
| Teaching Assistant, University of Wisconsin-Madison | |
| Ph.D. Level: Regression for Political Science. | |
| Masters Level: Statistics for Public Policy I and II. | |
| Undergraduate Level: Intro to American Government. | 2010 |
| Instructor, University of Wisconsin-Madison | 2002-2005 |
| R Short Course, Social Science Computing Center. | |
| Math Teacher, New York City | |
| Intermediate School 392. Brooklyn, NY. | |

Selected Invited Talks

May 20, 2018. “The Effects of Political Institutions on the Extensive and Intensive Margins of Trade.” V-Dem Institute, Gothenburg, Sweden.

February 26, 2018. “Causal Inference through the Method of Direct Estimation.” Ulric B. and Evelyn L. Bray Social Science Seminar Series, California Institute of Technology.

March 8, 2017. “Causal Inference through the Method of Direct Estimation.” Yale Methods Seminar.

April 27, 2017. “Causal Inference through the Method of Direct Estimation.” IQSS, Harvard.

What If? Machine Learning for Causal Inference. February 2016. Harvard and MIT.

Annual Summer Meeting, Society for Political Methodology. July 26, 2014.

Summer School in Quantitative Methods, Empirical Political Economy Network. May 19-20, 2014. CIDE, Mexico City.

Annual Meeting of the Society for Political Methodology. July 19, 2012. University of North Carolina-Chapel Hill.

Machine Learning Seminar. March 14, 2012. Department of Computer Science, Princeton University.

Thomas R. Ten Have Memorial Presentation. May 25, 2012. Atlantic Causal Inference Conference, Johns Hopkins University.

Experiments Seminar. September 8, 2011. Institution for Social and Policy Studies, Yale University.

Annual Meeting of the Society for Political Methodology. July 29, 2011. University of North Carolina-Chapel Hill.

Annual Meeting of the Midwest Political Science Association. April 1, 2011. Chicago, IL.

New Faces in Political Methodology Conference. May 1, 2010. Quantitative Social Science Initiative, Pennsylvania State University.

Affiliations/Memberships

American Political Science Association, Midwest Political Science Association,
American Statistical Association.