

Education

- 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

- 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**
- Predocctoral 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

- “Estimating Ideal Points from Votes and Text.” Forthcoming. *Political Analysis*. 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

“Causal Inference through the Method of Direct Estimation.” With Dustin Tingley.
“Scaling Data from Multiple Sources: Analyzing FOMC Deliberations.” With Ted Enamorado and Gabriel Lopez-Moctezuma.
“Balancing within the Margin: Causal Effect Estimation with Support Vector Machines.”
“Strengthening Weak Instruments by Modeling Compliance.” With Yuki Shiraito.
“Bicoordinate Descent for the LASSO.” With In Song Kim and John Londregan.
“A Sparse Decomposition of Democracy and Trade.” With In Song Kim and John Londregan.
“It Depends on How You Use It: A Statistical Method for Differentiating Word Context.” With Ben Johnson.

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

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

Selected Invited Talks

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.

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References

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