

Kosuke Imai

Curriculum Vitae

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Contact Information

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Education

Ph.D. in Political Science, Harvard University (1999–2003)

A.M. in Statistics, Harvard University (2000–2002)

B.A. in Liberal Arts, The University of Tokyo (1994–1998)

Positions

Professor, Department of Politics and Center for Statistics and Machine Learning,
Princeton University (2013 – present)

Founding Director, Program in Statistics and Machine Learning (2013
– 2017)

Executive Committee Member, Center for Statistics and Machine Learning
(2016 – present)

Executive Committee Member, Program for Quantitative and Analytical
Political Science (2009 – present)

Associated Faculty, Princeton Institute for Computational Science and
Engineering (2015 – present)

Affiliated Faculty, Center for the Study of Democratic Politics (2003
– present)

Professor of Visiting Status, Graduate Schools of Law and Politics, The University
of Tokyo (2016 – present)

Associate Professor, Department of Politics, Princeton University (2012 – 2013)

Assistant Professor, Department of Politics, Princeton University (2004 – 2012)

Visiting Researcher, Faculty of Economics, The University of Tokyo (August, 2006)

Instructor, Department of Politics, Princeton University (2003 – 2004)

Honors and Awards

1. *The Nils Petter Gleditsch Article of the Year Award* (2017), awarded by *Journal of Peace Research*.
2. *President*, The Society for Political Methodology (2017–2019). *Vice President and President-elect* (2015–2017).
3. *Elected Fellow*, The Society for Political Methodology (2017).
4. *Statistical Software Award* for developing statistical software that makes a significant research contribution, for “mediation: R Package for Causal Mediation Analysis,” awarded by the Society for Political Methodology (2015).
5. *Outstanding Reviewer Award* for *Journal of Educational and Behavioral Statistics*, given by the American Educational Research Association (2014).
6. *The Stanley Kelley, Jr. Teaching Award*, given by the Department of Politics, Princeton University (2013).
7. *Pi Sigma Alpha Award* for the best paper presented at the 2012 Midwest Political Science Association annual meeting, for “Explaining Support for Combatants during Wartime: A Survey Experiment in Afghanistan,” awarded by the Midwest Political Science Association (2013).
8. Invited to read “Experimental Designs for Identifying Causal Mechanisms” before the Royal Statistical Society Research Section, London (2012).
9. Inaugural recipient of the *Emerging Scholar Award* for a young scholar making exceptional contributions to political methodology who is within ten years of their terminal degree, awarded by the Society for Political Methodology (2011).
10. *Political Analysis Editors’ Choice Award* for an article providing an especially significant contribution to political methodology, for “Estimation of Heterogeneous Treatment Effects from Randomized Experiments, with Application to the Optimal Planning of the Get-out-the-vote Campaign,” awarded by the Society for Political Methodology and Oxford University Press (2011).
11. *Tom Ten Have Memorial Award* for the best poster presented at the 2011 Atlantic Causal Inference Conference, for “Identifying Treatment Effect Heterogeneity through Optimal Classification and Variable Selection,” awarded by the Departments of Biostatistics and Statistics, University of Michigan (2011).
12. Nominated for the *Graduate Mentoring Award*, The McGraw Center for Teaching and Learning, Princeton University (2010, 2011).

13. *New Hot Paper*, for the most-cited paper in the field of Economics & Business in the last two months among papers published in the last year, for “Misunderstandings among Experimentalists and Observationalists about Causal Inference,” named by Thomson Reuters’ ScienceWatch (2009).
14. *Warren Miller Prize* for the best article published in *Political Analysis*, for “Matching as Nonparametric Preprocessing for Reducing Model Dependence in Parametric Causal Inference,” awarded by the Society for Political Methodology and Oxford University Press (2008).
15. *Fast Breaking Paper* for the article with the largest percentage increase in citations among those in the top 1% of total citations across the social sciences in the last two years, for “Matching as Nonparametric Preprocessing for Reducing Model Dependence in Parametric Causal Inference,” named by Thomson Reuters’ ScienceWatch (2008).
16. *Pharmacoepidemiology and Drug Safety Outstanding Reviewer Recognition* (2008).
17. *Miyake Award* for the best political science article published in 2005, for “Do Get-Out-The-Vote Calls Reduce Turnout? The Importance of Statistical Methods for Field Experiments,” awarded by the Japanese Political Science Association (2006).
18. *Toppan Prize* for the best dissertation in political science, for *Essays on Political Methodology*, awarded by Harvard University (2004). Also, nominated for American Political Science Association E.E. Schattschneider Award for the best doctoral dissertation in the field of American government and politics.

Selected Manuscripts

1. Enamorado, Ted and Kosuke Imai. “Validating Self-reported Turnout by Linking Public Opinion Surveys with Administrative Records.”
2. Blair, Graeme, Winston Chou, and Kosuke Imai. “List Experiments with Measurement Error.”
3. Imai, Kosuke and Zhichao Jiang. “Identification and Sensitivity Analysis of Contagion Effects with Randomized Placebo-Controlled Trials.”
4. Lyall, Jason, Yang-Yang Zhou, and Kosuke Imai. “Reducing Insurgent Support among At-Risk Populations: Experimental Evidence from Cash Transfers and Livelihood Training in Afghanistan.”
5. Enamorado, Ted, Benjamin Fifield, and Kosuke Imai. “Using a Probabilistic Model to Assist Merging of Large-scale Administrative Records.”
6. Ning, Yang, Sida Peng, and Kosuke Imai. “High Dimensional Propensity Score Estimation via Covariate Balancing.”
7. Egami, Naoki, and Kosuke Imai. “Causal Interaction in Factorial Experiments: Application to Conjoint Analysis.”

8. Imai, Kosuke, and Zhichao Jiang. “A Sensitivity Analysis for Missing Outcomes Due to Truncation-by-Death under the Matched-Pairs Design.”
9. Imai, Kosuke and In Song Kim. “When Should We Use Linear Fixed Effects Regression Models for Causal Inference with Longitudinal Data?.”
10. Kim, In Song, Steven Liao, and Kosuke Imai. “Measuring Trade Profile with Granular Product-level Trade Data.”
11. Imai, Kosuke, Gary King, and Carlos Velasco Rivera. “Do Nonpartisan Programmatic Policies Have Partisan Electoral Effects? Evidence from Two Large Scale Randomized Experiments.”
12. Chan, K.C.G, K. Imai, S.C.P. Yam, Z. Zhang. “Efficient Nonparametric Estimation of Causal Mediation Effects.”
13. Fan, Jianqing, Kosuke Imai, Han Liu, Yang Ning, and Xiaolin Yang. “Improving Covariate Balancing Propensity Score: A Doubly Robust and Efficient Approach.”
14. Fifield, Benjamin, Michael Higgins, Kosuke Imai, and Alexander Tarr. “A New Automated Redistricting Simulator Using Markov Chain Monte Carlo.”
15. Barber, Michael and Kosuke Imai. “Estimating Neighborhood Effects on Turnout from Geocoded Voter Registration Records.”
16. Zhao, Shandong, David A. van Dyk, and Kosuke Imai. “Propensity-Score Based Methods for Causal Inference in Observational Studies with Fixed Non-Binary Treatments.”
17. Hirano, Shigeo, Kosuke Imai, Yuki Shiraito, and Masaki Taniguchi. “Policy Positions in Mixed Member Electoral Systems: Evidence from Japan.”

Publications in English

Book

Imai, Kosuke. (2017). *Quantitative Social Science: An Introduction*. Princeton University Press. Translated into Japanese (2018).

Refereed Journal Articles

1. Chou, Winston, Kosuke Imai, and Bryn Rosenfeld. “Sensitive Survey Questions with Auxiliary Information.” *Sociological Methods & Research*, Forthcoming.
2. Fong, Christian, Chad Hazlett, and Kosuke Imai. (2018). “Covariate Balancing Propensity Score for a Continuous Treatment: Application to the Efficacy of Political Advertisements.” *Annals of Applied Statistics*, Vol. 12, No. 1, pp. 156–177.
3. Hirose, Kentaro, Kosuke Imai, and Jason Lyall. (2017). “Can Civilian Attitudes Predict Insurgent Violence?: Ideology and Insurgent Tactical Choice in Civil War” *Journal of Peace Research*, Vol. 51, No. 1 (January), pp. 47–63.

4. Imai, Kosuke, James Lo, and Jonathan Olmsted. (2016). “Fast Estimation of Ideal Points with Massive Data.” *American Political Science Review*, Vol. 110, No. 4 (December), pp. 631–656.
5. Rosenfeld, Bryn, Kosuke Imai, and Jacob Shapiro. (2016). “An Empirical Validation Study of Popular Survey Methodologies for Sensitive Questions.” *American Journal of Political Science*, Vol. 60, No. 3 (July), pp. 783–802.
6. Imai, Kosuke and Kabir Khanna. (2016). “Improving Ecological Inference by Predicting Individual Ethnicity from Voter Registration Record.” *Political Analysis*, Vol. 24, No. 2 (Spring), pp. 263–272.
7. Blair, Graeme, Kosuke Imai, and Yang-Yang Zhou. (2015). “Design and Analysis of the Randomized Response Technique.” *Journal of the American Statistical Association*, Vol. 110, No. 511 (September), pp. 1304–1319.
8. Imai, Kosuke and Marc Ratkovic. (2015). “Robust Estimation of Inverse Probability Weights for Marginal Structural Models.” *Journal of the American Statistical Association*, Vol. 110, No. 511 (September), pp. 1013–1023. (lead article)
9. Lyall, Jason, Yuki Shiraito, and Kosuke Imai. (2015). “Coethnic Bias and Wartime Informing.” *Journal of Politics*, Vol. 77, No. 3 (July), pp. 833–848.
10. Imai, Kosuke, Bethany Park, and Kenneth Greene. (2015). “Using the Predicted Responses from List Experiments as Explanatory Variables in Regression Models.” *Political Analysis*, Vol. 23, No. 2 (Spring), pp. 180–196. Translated in Portuguese and Reprinted in *Revista Debates* Vol. 9, No 1.
11. Blair, Graeme, Kosuke Imai, and Jason Lyall. (2014). “Comparing and Combining List and Endorsement Experiments: Evidence from Afghanistan.” *American Journal of Political Science*, Vol. 58, No. 4 (October), pp. 1043–1063.
12. Tingley, Dustin, Teppei Yamamoto, Kentaro Hirose, Luke Keele, and Kosuke Imai. (2014). “mediation: R Package for Causal Mediation Analysis.” *Journal of Statistical Software*, Vol. 59, No. 5 (August), pp. 1–38.
13. Imai, Kosuke and Marc Ratkovic. (2014). “Covariate Balancing Propensity Score.” *Journal of the Royal Statistical Society, Series B (Statistical Methodology)*, Vol. 76, No. 1 (January), pp. 243–263.
14. Lyall, Jason, Graeme Blair, and Kosuke Imai. (2013). “Explaining Support for Combatants during Wartime: A Survey Experiment in Afghanistan.” *American Political Science Review*, Vol. 107, No. 4 (November), pp. 679–705. Winner of the Pi Sigma Alpha Award.
15. Imai, Kosuke and Teppei Yamamoto. (2013). “Identification and Sensitivity Analysis for Multiple Causal Mechanisms: Revisiting Evidence from Framing Experiments.” *Political Analysis*, Vol. 21, No. 2 (Spring), pp. 141–171. (lead article).
16. Imai, Kosuke and Marc Ratkovic. (2013). “Estimating Treatment Effect Heterogeneity in Randomized Program Evaluation.” *Annals of Applied Statistics*, Vol. 7, No. 1 (March), pp. 443–470. Winner of the Tom Ten Have Memorial Award. Reprinted in *Advances in Political Methodology*, R. Franzese, Jr. ed., Edward Elger, 2017.

17. Imai, Kosuke, Dustin Tingley, and Teppei Yamamoto. (2013). “Experimental Designs for Identifying Causal Mechanisms.”(with discussions) *Journal of the Royal Statistical Society, Series A (Statistics in Society)*, Vol. 176, No. 1 (January), pp. 5–51. (lead article) Read before the Royal Statistical Society, March 2012.
18. Imai, Kosuke, and Dustin Tingley. (2012). “A Statistical Method for Empirical Testing of Competing Theories.” *American Journal of Political Science*, Vol. 56, No. 1 (January), pp. 218–236.
19. Blair, Graeme, and Kosuke Imai. (2012). “Statistical Analysis of List Experiments.” *Political Analysis*, Vol. 20, No. 1 (Winter), pp. 47–77.
20. Imai, Kosuke, Luke Keele, Dustin Tingley, and Teppei Yamamoto. (2011). “Unpacking the Black Box of Causality: Learning about Causal Mechanisms from Experimental and Observational Studies.” *American Political Science Review*, Vol. 105, No. 4 (November), pp. 765–789. Reprinted in *Advances in Political Methodology*, R. Franzese, Jr. ed., Edward Elger, 2017.
21. Bullock, Will, Kosuke Imai, and Jacob N. Shapiro. (2011). “Statistical Analysis of Endorsement Experiments: Measuring Support for Militant Groups in Pakistan.” *Political Analysis*, Vol. 19, No. 4 (Autumn), pp. 363–384. (lead article)
22. Imai, Kosuke. (2011). “Multivariate Regression Analysis for the Item Count Technique.” *Journal of the American Statistical Association*, Vol. 106, No. 494 (June), pp. 407–416. (featured article)
23. Ho, Daniel E., Kosuke Imai, Gary King, and Elizabeth Stuart. (2011). “MatchIt: Non-parametric Preprocessing for Parametric Causal Inference.” *Journal of Statistical Software*, Vol. 42 (Special Volume on Political Methodology), No. 8 (June), pp. 1–28.
24. Imai, Kosuke, Ying Lu, and Aaron Strauss. (2011). “eco: R Package for Ecological Inference in 2×2 Tables.” *Journal of Statistical Software*, Vol. 42 (Special Volume on Political Methodology), No. 5 (June), pp. 1–23.
25. Imai, Kosuke and Aaron Strauss. (2011). “Estimation of Heterogeneous Treatment Effects from Randomized Experiments, with Application to the Optimal Planning of the Get-out-the-vote Campaign.” *Political Analysis*, Vol. 19, No. 1 (Winter), pp. 1–19. (lead article) Winner of the Political Analysis Editors’ Choice Award.
26. Imai, Kosuke, Luke Keele, and Dustin Tingley. (2010). “A General Approach to Causal Mediation Analysis.” *Psychological Methods*, Vol. 15, No. 4 (December), pp. 309–334. (lead article)
27. Imai, Kosuke and Teppei Yamamoto. (2010). “Causal Inference with Differential Measurement Error: Nonparametric Identification and Sensitivity Analysis.” *American Journal of Political Science*, Vol. 54, No. 2 (April), pp. 543–560.
28. Imai, Kosuke, Luke Keele, and Teppei Yamamoto. (2010). “Identification, Inference, and Sensitivity Analysis for Causal Mediation Effects.” *Statistical Science*, Vol. 25, No. 1 (February), pp. 51–71.

29. King, Gary, Emmanuela Gakidou, Kosuke Imai, Jason Lakin, Ryan T. Moore, Clayton Nall, Nirmala Ravishankar, Manett Vargas, Martha María Téllez-Rojo, Juan Eugenio Hernández Ávila, Mauricio Hernández Ávila, and Héctor Hernández Llamas. (2009). “Public Policy for the Poor? A Randomized Ten-Month Evaluation of the Mexican Universal Health Insurance Program.” (with a comment) *The Lancet*, Vol. 373, No. 9673 (April), pp. 1447–1454.
30. Imai, Kosuke, Gary King, and Clayton Nall. (2009). “The Essential Role of Pair Matching in Cluster-Randomized Experiments, with Application to the Mexican Universal Health Insurance Evaluation.” (with discussions) *Statistical Science*, Vol. 24, No. 1 (February), pp. 29–53.
31. Imai, Kosuke. (2009). “Statistical Analysis of Randomized Experiments with Nonignorable Missing Binary Outcomes: An Application to a Voting Experiment.” *Journal of the Royal Statistical Society, Series C (Applied Statistics)*, Vol. 58, No. 1 (February), pp. 83–104.
32. Imai, Kosuke, Gary King, and Olivia Lau. (2008). “Toward A Common Framework of Statistical Analysis and Development.” *Journal of Computational and Graphical Statistics*, Vol. 17, No. 4 (December), pp. 892–913.
33. Imai, Kosuke. (2008). “Variance Identification and Efficiency Analysis in Experiments under the Matched-Pair Design.” *Statistics in Medicine*, Vol. 27, No. 4 (October), pp. 4857–4873.
34. Ho, Daniel E., and Kosuke Imai. (2008). “Estimating Causal Effects of Ballot Order from a Randomized Natural Experiment: California Alphabet Lottery, 1978–2002.” *Public Opinion Quarterly*, Vol. 72, No. 2 (Summer), pp. 216–240.
35. Imai, Kosuke, Gary King, and Elizabeth A. Stuart. (2008). “Misunderstandings among Experimentalists and Observationalists: Balance Test Fallacies in Causal Inference.” *Journal of the Royal Statistical Society, Series A (Statistics in Society)*, Vol. 171, No. 2 (April), pp. 481–502. Reprinted in *Field Experiments and their Critics*, D. Teele ed., New Haven: Yale University Press, 2013.
36. Imai, Kosuke, Ying Lu, and Aaron Strauss. (2008). “Bayesian and Likelihood Ecological Inference for 2×2 Tables: An Incomplete Data Approach.” *Political Analysis*, Vol. 16, No. 1 (Winter), pp. 41–69.
37. Imai, Kosuke. (2008). “Sharp Bounds on the Causal Effects in Randomized Experiments with “Truncation-by-Death”.” *Statistics & Probability Letters*, Vol. 78, No. 2 (February), pp. 144–149.
38. Imai, Kosuke and Samir Soneji. (2007). “On the Estimation of Disability-Free Life Expectancy: Sullivan’s Method and Its Extension.” *Journal of the American Statistical Association*, Vol. 102, No. 480 (December), pp. 1199–1211.
39. Horiuchi, Yusaku, Kosuke Imai, and Naoko Taniguchi. (2007). “Designing and Analyzing Randomized Experiments: Application to a Japanese Election Survey Experiment.” *American Journal of Political Science*, Vol. 51, No. 3 (July), pp. 669–687.

40. Ho, Daniel E., Kosuke Imai, Gary King, and Elizabeth A. Stuart. (2007). “Matching as Nonparametric Preprocessing for Reducing Model Dependence in Parametric Causal Inference.” *Political Analysis*, Vol. 15, No. 3 (Summer), pp. 199–236. (lead article) Winner of the Warren Miller Prize.
41. Ho, Daniel E., and Kosuke Imai. (2006). “Randomization Inference with Natural Experiments: An Analysis of Ballot Effects in the 2003 California Recall Election.” *Journal of the American Statistical Association*, Vol. 101, No. 475 (September), pp. 888–900.
42. Imai, Kosuke, and David A. van Dyk. (2005). “MNP: R Package for Fitting the Multinomial Probit Model.” *Journal of Statistical Software*, Vol. 14, No. 3 (May), pp. 1–32. abstract reprinted in *Journal of Computational and Graphical Statistics* (2005) Vol. 14, No. 3 (September), p. 747.
43. Imai, Kosuke. (2005). “Do Get-Out-The-Vote Calls Reduce Turnout? The Importance of Statistical Methods for Field Experiments.” *American Political Science Review*, Vol. 99, No. 2 (May), pp. 283–300.
44. Imai, Kosuke, and David A. van Dyk. (2005). “A Bayesian Analysis of the Multinomial Probit Model Using Marginal Data Augmentation.” *Journal of Econometrics*, Vol. 124, No. 2 (February), pp. 311–334.
45. Imai, Kosuke, and David A. van Dyk. (2004). “Causal Inference With General Treatment Regimes: Generalizing the Propensity Score.” *Journal of the American Statistical Association*, Vol. 99, No. 467 (September), pp. 854–866.
46. Imai, Kosuke, and Gary King. (2004). “Did Illegal Overseas Absentee Ballots Decide the 2000 U.S. Presidential Election?” *Perspectives on Politics*, Vol. 2, No. 3 (September), pp. 537–549. Our analysis is a part of *The New York Times* article, “How Bush Took Florida: Mining the Overseas Absentee Vote” By David Barstow and Don van Natta Jr. July 15, 2001, Page 1, Column 1.

Invited Contributions

1. Benjamin, Daniel J., *et al.* (2017). “Redefine Statistical Significance.” *Nature Human Behaviour*.
2. de la Cuesta, Brandon and Kosuke Imai. (2016). “Misunderstandings about the Regression Discontinuity Design in the Study of Close Elections.” *Annual Review of Political Science*, Vol. 19, pp. 375–396.
3. Imai, Kosuke (2016). “Book Review of *Causal Inference for Statistics, Social, and Biomedical Sciences: An Introduction*. by Guido W. Imbens and Donald B. Rubin.” *Journal of the American Statistical Association*, Vol. 111, No. 515, pp. 1365–1366.
4. Imai, Kosuke, Bethany Park, and Kenneth F. Greene. (2015). “Usando as respostas previsíveis da abordagem list-experiments como variáveis explicativas em modelos de regressão.” *Revista Debates*, Vol. 9, No. 1, pp. 121–151. First printed in *Political Analysis*, Vol. 23, No. 2 (Spring).

5. Imai, Kosuke, Luke Keele, Dustin Tingley, and Teppei Yamamoto. (2014). “Comment on Pearl: Practical Implications of Theoretical Results for Causal Mediation Analysis.” *Psychological Methods*, Vol. 19, No. 4 (December), pp. 482–487.
6. Imai, Kosuke, Gary King, and Elizabeth A. Stuart. (2014). “Misunderstandings among Experimentalists and Observationalists: Balance Test Fallacies in Causal Inference.” in *Field Experiments and their Critics: Essays on the Uses and Abuses of Experimentation in the Social Sciences*, D. L. Teele ed., New Haven: Yale University Press, pp. 196–227. First printed in *Journal of the Royal Statistical Society, Series A (Statistics in Society)*, Vol. 171, No. 2 (April).
7. Imai, Kosuke, Dustin Tingley, and Teppei Yamamoto. (2013). “Reply to Discussions of “Experimental Designs for Identifying Causal Mechanisms”.” *Journal of the Royal Statistical Society, Series A (Statistics in Society)*, Vol. 173, No. 1 (January), pp. 46–49.
8. Imai, Kosuke. (2012). “Comments: Improving Weighting Methods for Causal Mediation Analysis.” *Journal of Research on Educational Effectiveness*, Vol. 5, No. 3, pp. 293–295.
9. Imai, Kosuke. (2011). “Introduction to the Virtual Issue: Past and Future Research Agenda on Causal Inference.” *Political Analysis*, Virtual Issue: Causal Inference and Political Methodology.
10. Imai, Kosuke, Booil Jo, and Elizabeth A. Stuart. (2011). “Commentary: Using Potential Outcomes to Understand Causal Mediation Analysis.” *Multivariate Behavioral Research*, Vol. 46, No. 5, pp. 842–854.
11. Imai, Kosuke, Luke Keele, Dustin Tingley, and Teppei Yamamoto. (2010). “Causal Mediation Analysis Using R,” in *Advances in Social Science Research Using R*, H. D. Vinod (ed.), New York: Springer (Lecture Notes in Statistics), pp. 129–154.
12. Imai, Kosuke, Gary King, and Clayton Nall. (2009). “Rejoinder: Matched Pairs and the Future of Cluster-Randomized Experiments.” *Statistical Science*, Vol. 24, No. 1 (February), pp. 65–72.

Refereed Conference Proceedings

1. Svyatkovskiy, Alexey, Kosuke Imai, Mary Kroeger, and Yuki Shiraito. (2016). “Large-scale text processing pipeline with Apache Spark,” *IEEE International Conference on Big Data*, Washington, DC, pp. 3928-3935.

Other Publications and Manuscripts

1. Goldstein, Daniel, Kosuke Imai, Anja S. Göritz, and Peter M. Gollwitzer. (2008). “Nudging Turnout: Mere Measurement and Implementation Planning of Intentions to Vote.”
2. Ho, Daniel E. and Kosuke Imai. (2004). “The Impact of Partisan Electoral Regulation: Ballot Effects from the California Alphabet Lottery, 1978–2002.” Princeton Law & Public Affairs Paper No. 04-001; Harvard Public Law Working Paper No. 89.

3. Imai, Kosuke. (2003). “Essays on Political Methodology,” *Ph.D. Thesis*. Department of Government, Harvard University.
4. Imai, Kosuke. (2003). “Review of Jeff Gill’s *Bayesian Methods: A Social and Behavioral Sciences Approach*,” *The Political Methodologist*, Vol. 11 No. 1, 9–10.
5. Imai, Kosuke, and Jeremy M. Weinstein. (2000). “Measuring the Economic Impact of Civil War,” Working Paper Series No. 51, Center for International Development, Harvard University.

Publications in Japanese

1. Imai, Kosuke. (2007). “Keiryō Seijigaku niokeru Ingateki Suiron (Causal Inference in Quantitative Political Science).” *Leviathan*, Vol. 40, Spring, pp. 224–233.
2. Horiuchi, Yusaku, Kosuke Imai, and Naoko Taniguchi. (2005). “Seisaku Jyōhō to Tōhyō Sanka: Field Jikken ni yoru Kensyō (Policy Information and Voter Participation: A Field Experiment).” *Nenpō Seijigaku (The Annals of the Japanese Political Science Association)*, 2005–I, pp. 161–180.
3. Taniguchi, Naoko, Yusaku Horiuchi, and Kosuke Imai. (2004). “Seitō Saito no Etsuran ha Tohyō Kōdō ni Eikyō Suruka? (Does Visiting Political Party Websites Influence Voting Behavior?)” *Nikkei Research Report*, Vol. IV, pp. 16–19.

Statistical Software

1. Enamorado, Ted, Benjamin Fifield, and Kosuke Imai. “fastLink: Fast Probabilistic Record Linkage.” available through The Comprehensive R Archive Network and GitHub. 2017.
2. Khanna, Kabir, and Kosuke Imai. “wru: Who Are You? Bayesian Predictions of Racial Category Using Surname and Geolocation.” available through The Comprehensive R Archive Network and GitHub. 2015.
3. Fifield, Benjamin, Alexander Tarr, Michael Higgins, and Kosuke Imai. “redist: Markov Chain Monte Carlo Methods for Redistricting Simulation.” available through The Comprehensive R Archive Network and GitHub. 2015.
4. Imai, Kosuke, James Lo, and Jonathan Olmsted. “emIRT: EM Algorithms for Estimating Item Response Theory Models.” available through The Comprehensive R Archive Network. 2015.
5. Blair, Graeme, Yang-Yang Zhou, and Kosuke Imai. “rr: Statistical Methods for the Randomized Response Technique.” available through The Comprehensive R Archive Network and GitHub. 2015.
6. Fong, Christian, Marc Ratkovic, and Kosuke Imai. “CBPS: R Package for Covariate Balancing Propensity Score.” available through The Comprehensive R Archive Network and GitHub. 2012.

7. Egami, Naoki, Marc Ratkovic, and Kosuke Imai. “FindIt: R Package for Finding Heterogeneous Treatment Effects.” available through The Comprehensive R Archive Network and GitHub. 2012.
8. Kim, In Song, and Kosuke Imai. “wfe: Weighted Linear Fixed Effects Regression Models for Causal Inference.” available through The Comprehensive R Archive Network. 2011.
9. Shiraito, Yuki, and Kosuke Imai. “endorse: R Package for Analyzing Endorsement Experiments.” available through The Comprehensive R Archive Network and GitHub. 2012.
10. Blair, Graeme, and Kosuke Imai. “list: Statistical Methods for the Item Count Technique and List Experiments.” available through The Comprehensive R Archive Network and GitHub. 2011.
11. Tingley, Dustin, Teppei Yamamoto, Kentaro Hirose, Luke Keele, and Kosuke Imai. “mediation: R Package for Causal Mediation Analysis.” available through The Comprehensive R Archive Network and GitHub. 2009. Winner of the Statistical Software Award. Reviewed in *Journal of Educational and Behavioral Statistics*.
12. Imai, Kosuke. “experiment: R Package for Designing and Analyzing Randomized Experiments.” available through The Comprehensive R Archive Network. 2007.
13. Ho, Daniel E., Kosuke Imai, Gary King, and Elizabeth Stuart. “MatchIt: Nonparametric Preprocessing for Parametric Causal Inference.” available through The Comprehensive R Archive Network and GitHub. 2005.
14. Imai, Kosuke, Ying Lu, and Aaron Strauss. “eco: Ecological Inference in 2×2 Tables.” available through The Comprehensive R Archive Network and GitHub. 2004.
15. Imai, Kosuke, and David A. van Dyk. “MNP: R Package for Fitting the Multinomial Probit Model.” available through The Comprehensive R Archive Network and GitHub. 2004.
16. Imai, Kosuke, Gary King, and Olivia Lau. “Zelig: Everyone’s Statistical Software.” available through The Comprehensive R Archive Network. 2004.

External Research Grants

Principal Investigator

1. National Science Foundation (2016–2019). “Collaborative Conference Proposal: Support for Conferences and Mentoring of Women and Underrepresented Groups in Political Methodology.” (Methodology, Measurement and Statistics and Political Science Programs; SES–1628102) Principal Investigator (with Jeffrey Lewis) \$312,322.
2. The United States Agency for International Development (2015–2017). “Unemployment and Insurgent Violence in Afghanistan: Evidence from the Community Development Program.” (AID–OAA–A–12–00096) Principal Investigator (with Jason Lyall) \$188,037

3. The United States Institute of Peace (2015–2016). “Assessing the Links between Economic Interventions and Stability: An impact evaluation of vocational and skills training in Kandahar, Afghanistan,” Principal Investigator (with David Haines, Jon Kurtz, and Jason Lyall) \$144,494.
4. Amazon Web Services in Education Research Grant (2014). Principal Investigator (with Graeme Blair and Carlos Velasco Rivera) \$3,000.
5. Development Bank of Latin America (CAF) (2013). “The Origins of Citizen Support for Narcos: An Empirical Investigation,” Principal Investigator (with Graeme Blair, Fabiana Machado, and Carlos Velasco). \$15,000.
6. The International Growth Centre (2011–2013). “Poverty, Militancy, and Citizen Demands in Natural Resource-Rich Regions: Randomized Evaluation of the Oil Profits Dividend Plan for the Niger Delta” (RA-2010-12-013). Principal Investigator (with Graeme Blair). \$117,116.
7. National Science Foundation, (2009–2012). “Statistical Analysis of Causal Mechanisms: Identification, Inference, and Sensitivity Analysis,” (Methodology, Measurement, and Statistics Program and Political Science Program; SES–0918968). Principal Investigator. \$97,574.
8. National Science Foundation, (2009–2011). “Collaborative Research: The Measurement and Identification of Media Priming Effects in Political Science,” (Methodology, Measurement, and Statistics Program and Political Science Program; SES–0849715). Principal Investigator (with Nicholas Valentino). \$317,126.
9. National Science Foundation, (2008–2009). “New Statistical Methods for Randomized Experiments in Political Science and Public Policy,” (Political Science Program; SES–0752050). Principal Investigator. \$52,565.
10. National Science Foundation, (2006–2009). “Collaborative Research: Generalized Propensity Score Methods,” (Methodology, Measurement and Statistics Program; SES–0550873). Principal Investigator (with Donald B. Rubin and David A. van Dyk). \$460,000.
11. The Telecommunications Advancement Foundation, (2004). “Analyzing the Effects of Party Webpages on Political Opinions and Voting Behavior,” Principal Investigator (with Naoko Taniguchi and Yusaku Horiuchi). \$12,000.

Adviser and Statistical Consultant

1. National Science Foundation (2016–2017). “Doctoral Dissertation Research: Crossing Africa’s Arbitrary Borders: How Refugees Shape National Boundaries by Challenging Them.” (Political Science Program, SES–1560636). Principal Investigator and Adviser for Co-PI Yang-Yang Zhou’s Dissertation Research. \$18,900.
2. Institute of Education Sciences (2012–2014). “Academic and Behavioral Consequences of Visible Security Measures in Schools” (R305A120181). Statistical Consultant (Emily Tanner-Smith, Principal Investigator). \$351,228.

3. National Science Foundation (2013–2014). “Doctoral Dissertation Research: Open Trade for Sale: Lobbying by Productive Exporting Firm” (Political Science Program, SES–1264090). Principal Investigator and Adviser for Co-PI In Song Kim’s Dissertation Research. \$22,540.
4. National Science Foundation (2012–2013). “Doctoral Dissertation Research: The Politics of Location in Resource Rent Distribution and the Projection of Power in Africa” (Political Science Program, SES–1260754). Principal Investigator and Adviser for Co-PI Graeme Blair’s Dissertation Research. \$17,640.

Invited Short Courses and Outreach Lectures

1. Short Course on Causal Inference and Statistics – Department of Political Science, Rice University, 2009; Institute of Political Science, Academia Sinica, 2014.
2. Short Course on Causal Inference and Identification, The Empirical Implications of Theoretical Models (EITM) Summer Institute – Harris School of Public Policy, The University of Chicago, 2011; Department of Politics, Princeton University, 2012.
3. Short Course on Causal Mediation Analysis – Summer Graduate Seminar, Institute of Statistical Mathematics, Tokyo Japan, 2010; Society for Research on Educational Effectiveness Conference, Washington DC, Fall 2011, Spring 2012, Spring 2015; Inter-American Development Bank, 2012; Center for Education Research, University of Wisconsin, Madison, 2012; Bobst Center for Peace and Justice, Princeton University, 2014; Graduate School of Education, University of Pennsylvania, 2014; EITM Summer Institute, Duke University, 2014; Center for Lifespan Psychology, Max Plunck Institute for Human Development, 2015; School of Communication Research, University of Amsterdam, 2015; Uppsala University, 2016
4. Short Course on Covariate Balancing Propensity Score – Society for Research on Educational Effectiveness Conference, Washington DC, Spring 2013; Uppsala University, 2016
5. Short Course on Matching Methods for Causal Inference – Institute of Behavioral Science, University of Colorado, Boulder, 2009; Department of Political Science, Duke University, 2013.
6. Lecture on Statistics and Social Sciences – New Jersey Japanese School, 2011, 2016; Kaisei Academy, 2012, 2014; Princeton University Wilson College, 2012; University of Tokyo, 2014

Selected Presentations

1. Keynote speaker, Latin American Political Methodology Meeting, Pontifical Catholic University of Chile (Department of Political Science), 2017.
2. Keynote speaker, Workshop on Uncovering Causal Mechanisms, University of Munich (Department of Economics), 2016.

3. Keynote speaker, The National Quality Registry Research Conference, Stockholm, 2016.
4. Keynote speaker, The UK-Causal Inference Meeting, University of Bristol (School of Mathematics), 2015.
5. Keynote speaker, The UP-STAT Conference, the Upstate Chapters of the American Statistical Association, 2015.
6. Keynote speaker, The Winter Conference in Statistics, Swedish Statistical Society and Umeå University (Department of Mathematics and Mathematical Statistics), 2015.
7. Inaugural invited speaker, The International Methods Colloquium, Rice University, 2015.
8. Invited speaker, The International Meeting on Experimental and Behavioral Social Sciences, University of Oxford (Nuffield College), 2014.
9. Keynote speaker, The Annual Conference of Australian Society for Quantitative Political Science, University of Sydney, 2013.
10. Keynote speaker, The Graduate Student Conference on Experiments in Interactive Decision Making, Princeton University. 2008.

Invited Seminars (Recent Years Only)

- 2018 Columbia University (Statistics, scheduled); Georgetown University (Biostatistics, scheduled); Keio University (Faculty of Law, scheduled); New York University (Politics, scheduled); Northwestern University (Institute for Policy Research, scheduled); University of Pennsylvania (Biostatistics, scheduled); Seoul National University (Political Science, scheduled); University of Tokyo (Faculty of Law, scheduled)
- 2017 Columbia University (Evidence in Governance and Politics; Political Science); Cornell University (Statistical Science); Harvard University (Institute for Quantitative Social Science); Gakusyuin University (Faculty of Law); Kwansei Gakuin University (Center for Political Behavior Research); Hong Kong University of Science and Technology (Division of Social Science); Inter-American Development Bank (Research Department); Joint Statistical Meetings (Invited Panel); New York University (Center for Data Science, cancelled); Pontifical Catholic University of Chile (Political Science); Rutgers University (School of Public Affairs and Administration); Stanford University (Political Science); University of Macau (Government and Public Administration); University of Mannheim (Center for European Economic Research); University of Minnesota (Institute for Mathematics and its Applications); University of North Carolina (Biostatistics); University of Sydney (Asian Political Methodology Conference); University of Tokyo (Faculty of Law); University of Washington (Biostatistics; Center for Statistics and Social Sciences); University of Wisconsin (Political Methodology Summer Meeting); Yokohama City University (Economics)
- 2016 Duke University (Statistics); Harvard University/Massachusetts Institute of Technology (Causal Inference and Machine Learning Workshop); Institute of Statistical Mathematics (Causal Inference Workshop); Keio University (Political Science); Osaka University (Economics); Rice University (Political Science); Stanford University (Graduate School

of Business; Political Science); Tsinghua University (Department of International Relations); University of California, Davis (Political Science); University of California, San Diego (Political Science); University of Chicago (Booth Business School); University of Munich (Economics); University of Tokyo (Faculty of Law); Uppsala University (Health Economic Forum; National Quality Registry Research Conference); Washington University, St. Louis (Political Science); Yokohama City University (Economics)

2015 Academia Sinica, Taiwan (Asian Political Methodology Conference); Carnegie Mellon University (Statistics); College of Williams and Mary (AidData); Doshisha University (Faculty of Law); Georgetown University (McCourt School of Public Policy); Johns Hopkins University (Biostatistics); Joint Statistical Meetings (Invited panel); Keio University (Faculty of Law); Max Plunck Institute for Human Development (Center for Lifespan Psychology); Nuffield Foundation (Q-Step Programme); Princeton University (Operations Research and Financial Engineering; McGraw Center for Teaching and Learning); Rice University (International Methods Colloquium); Society for Research on Educational Effectiveness (Washington D.C.); Stanford Medical School (Prevention Science Methodology Group); The Upstate Chapters of the American Statistical Association (Rochester); Umeå University (Statistics); University of Amsterdam (School of Communication Research); University of Bristol (School of Mathematics); University of California, Los Angeles (Experiments in Governance and Politics Conference); University of Michigan (Interdisciplinary Seminar in Quantitative Methods); University of Strathclyde (School of Government and Public Policy); Waseda University (School of Political Science and Economics)

Conferences Organized

1. The Asian Political Methodology Meetings (January 2014, 2015, 2016, 2017, 2018; co-organizer)
2. The Experimental Research Workshop (September 2012; co-organizer)
3. The 12th World Meeting of the International Society for Bayesian Analysis (June 2012; a member of the organizing committee)
4. Conference on Causal Inference and the Study of Conflict and State Building (May 2012; organizer)
5. The 28th Annual Society for Political Methodology Summer Meeting (July 2011; host)
6. Conference on New Methodologies and their Applications in Comparative Politics and International Relations (February 2011; co-organizer)

Teaching

Graduate Courses

1. POL 502 Mathematics for Political Science: real analysis, linear algebra, calculus.

2. POL 571 Quantitative Analysis I: probability theory, statistical theory, linear models.
3. POL 572 Quantitative Analysis II: intermediate applied statistics.
4. POL 573 Quantitative Analysis III: advanced applied statistics.
5. POL 574 Quantitative Analysis IV: advanced applied statistics with various topics including Bayesian statistics and causal inference.
6. Reading Courses: basic mathematical probability and statistics, applied bayesian statistics, spatial statistics

Undergraduate Courses

1. POL 245 Visualizing Data: exploratory data analysis, graphical statistics, data visualization.
2. POL 345 Quantitative Analysis and Politics: a first course in quantitative social science.
3. POL 451 Statistical Methods in Political Science: basic probability and statistical theory, their applications in the social sciences.

Advising

Current Students

1. Winston Chou
2. Brandon de la Cuesta
3. Naoki Egami (Primary adviser)
4. Ted Enamorado (Primary adviser)
5. Benjamin Fifield (Primary adviser)
6. June Hwang (Primary adviser)
7. Asya Magazinnik
8. Tyler Pratt. To be Assistant Professor, Department of Political Science, Yale University.
9. Alex Tarr (Primary adviser)
10. Soichiro Yamauchi (Primary adviser)
11. Yang-Yang Zhou
12. Erik Wang

Current Predocs and Postdocs

1. Zhichao Jiang (Postdoctoral Fellow)
2. Adeline Lo (Postdoctoral Fellow)
3. Yunkyoo Sohn (Postdoctoral Fellow)

Former Students

1. Romain Ferrali (Ph.D. in 2018, Department of Politics, Princeton University). To be Postdoctoral Fellow, New York University, Abu Dhabi.
2. Julia Morse (Ph.D. in 2017, Woodrow Wilson School, Princeton University). Postdoctoral Fellow, University of Pennsylvania, followed by Assistant Professor, Department of Political Science, University of California, Santa Barbara.
3. Yuki Shiraito (Ph.D. in 2017, Department of Politics, Princeton University; Dissertation Committee Chair). Postdoctoral Fellow, Quantitative Social Science Program, Dartmouth College, followed by Assistant Professor, Department of Political Science, the University of Michigan.
4. Carlos Velasco Rivera (Ph.D. in 2016, Department of Politics, Princeton University). Research Fellow, The Institute for Advanced Study in Toulouse
5. Gabriel Lopez Moctezuma (Ph.D. in 2016, Department of Politics, Princeton University). Postdoctoral Fellow at Yale University, followed by Assistant Professor, Division of the Humanities and Social Sciences, California Institute of Technology
6. Graeme Blair (Ph.D. in 2016, Department of Politics, Princeton University). Assistant Professor, University of California, Los Angeles
7. Jaquilyn R. Waddell Boie (Ph.D. in 2015, Department of Politics, Princeton University).
8. Scott Abramson (Ph.D. in 2014, Department of Politics, Princeton University). Assistant Professor, Department of Political Science, University of Rochester.
9. Michael Barber (Ph.D. in 2014, Department of Politics, Princeton University). Assistant Professor, Department of Political Science, Brigham Young University.
10. In Song Kim (Ph.D. in 2014, Department of Politics, Princeton University). Assistant Professor, Department of Political Science, Massachusetts Institute of Technology.
11. Alex Ruder (Ph.D. in 2014, Department of Politics, Princeton University). Assistant Professor, Department of Political Science, University of South Carolina.
12. Meredith Wilf (Ph.D. in 2014, Department of Politics, Princeton University). Assistant Professor, Graduate School of Public and International Affairs, University of Pittsburgh.
13. Sean Gerrish (Ph.D. in 2013, Department of Computer Science, Princeton University). Data Scientist, Google.

14. Will Bullock. (Ph.D. candidate, Department of Politics, Princeton University). Data Scientist, Facebook.
15. Teppei Yamamoto (Ph.D. in 2011, Department of Politics, Princeton University; Dissertation Committee Chair). Associate Professor, Department of Political Science, Massachusetts Institute of Technology.
16. Dustin Tingley (Ph.D. in 2010, Department of Politics, Princeton University). Professor, Department of Government, Harvard University.
17. Aaron Strauss (Ph.D. in 2009, Department of Politics, Princeton University). Executive Director, Analyst Institute.
18. Samir Soneji (Ph.D. in 2008, Office of Population Research, Princeton University; Dissertation Committee Chair). Assistant Professor, Dartmouth Medical School.
19. Ying Lu (Ph.D. in 2005, Woodrow Wilson School, Princeton University; Dissertation Committee Chair). Associate Professor, Steinhardt School of Culture, Education, and Human Development, New York University.

Former Predocs and Postdocs

1. Xiaolin Yang (Postdoctoral Fellow, 2015–2017). Data Scientist, Amazon.
2. Santiago Olivella (Postdoctoral Fellow, 2015–2016). Assistant Professor, Department of Political Science, University of North Carolina.
3. Drew Dimmery (Predoctoral Fellow, 2015–2016). Data Scientist, Facebook
4. James Lo (Postdoctoral Fellow, 2014–2016). Assistant Professor, Department of Political Science, University of Southern California.
5. Steven Liao (Predoctoral Fellow, 2014–2015). Assistant Professor, Department of Political Science, University of California, Riverside.
6. Michael Higgins (Postdoctoral Fellow, 2013–2015). Assistant Professor, Department of Statistics, Kansas State University.
7. Kentaro Hirose (Postdoctoral Fellow, 2012–2015). Assistant Professor, Waseda Institute for Advanced Studies.
8. Chad Hazlett (Predoctoral Fellow, 2013–2014). Assistant Professor, Departments of Political Science and Statistics, University of California, Los Angeles.
9. Florian Hollenbach (Predoctoral Fellow, 2013–2014). Assistant Professor, Department of Political Science, Texas A&M University.
10. Marc Ratkovic (Predoctoral and Postdoctoral Fellow, 2010–2012). Assistant Professor, Department of Politics, Princeton University.

Editorial and Referee Service

Series editor for *SAGE Innovations in Research Methods* (2016 – present)

Co-editor for *Journal of Causal Inference* (2014 – present)

Associate editor for *American Journal of Political Science* (2014 – present), *Journal of Business & Economic Statistics* (2015 – 2018), *Journal of Causal Inference* (2011 – 2014), *Journal of Experimental Political Science* (2013 – 2017), *Observational Studies* (2014 – present), *Political Analysis* (2014 – 2017).

Editorial board member for *Asian Journal of Comparative Politics* (2014 – present), *Journal of Educational and Behavioral Statistics* (2011 – present), *Journal of Politics* (2007 – 2008), *Journal of Research on Educational Effectiveness* (2014 – present), *Political Analysis* (2010 – 2013).

Guest editor for *Political Analysis* virtual issue on causal inference (2011).

Referee for *American Economic Journal: Applied Economics*, *American Journal of Epidemiology*, *American Journal of Evaluation*, *American Journal of Political Science*, *American Political Science Review*, *American Politics Research*, *Annals of Applied Statistics*, *Annals of Statistics*, *Annals of the Institute of Statistical Mathematics*, *Biometrics*, *Biometrika*, *Biostatistics*, *BMC Medical Research Methodology*, *British Journal of Mathematical and Statistical Psychology*, *British Journal of Political Science*, *Chapman & Hall/CRC Press*, *Child Development*, *Communications for Statistical Applications and Methods*, *Computational Statistics and Data Analysis*, *Electoral Studies*, *Econometrica*, *Econometrics*, *Empirical Economics*, *Environmental Management*, *Epidemiology*, *European Union Politics*, *IEEE Transactions on Information Theory*, *International Journal of Biostatistics*, *International Journal of Epidemiology*, *International Journal of Public Opinion Research*, *International Migration Review*, *John Wiley & Sons*, *Journal of Applied Econometrics*, *Journal of Applied Statistics*, *Journal of Biopharmaceutical Statistics*, *Journal of Business and Economic Statistics*, *Journal of Causal Inference*, *Journal of Computational and Graphical Statistics*, *Journal of Conflict Resolution*, *Journal of Consulting and Clinical Psychology*, *Journal of Econometrics*, *Journal of Educational and Behavioral Statistics*, *Journal of Empirical Legal Studies*, *Journal of Multivariate Analysis*, *Journal of Official Statistics*, *Journal of Peace Research*, *Journal of Politics*, *Journal of Research on Educational Effectiveness*, *Journal of Statistical Planning and Inference*, *Journal of Statistical Software*, *Journal of the American Statistical Association (Case Studies and Applications; Theory and Methods)*, *Journal of the Japanese and International Economies*, *Journal of the Japan Statistical Society*, *Journal of the Royal Statistical Society (Series A; Series B; Series C)*, *Law & Social Inquiry*, *Legislative Studies Quarterly*, *Management Science*, *Multivariate Behavioral Research*, *National Science Foundation (Economics; Methodology, Measurement, and Statistics; Political Science)*, *Natural Sciences and Engineering Research Council of Canada*, *NeuroImage*, *Osteoporosis International*, *Oxford Bulletin of Economics and Statistics*, *Pharmaceutical Statistics*, *Pharmacoepidemiology and Drug Safety*, *PLOS One*, *Policy and Internet*, *Political Analysis*, *Political Behavior*, *Political Communication*, *Political Research Quarterly*, *Political Science Research and Methods*, *Population Health Metrics*, *Population Studies*, *Prevention Science*, *Proceedings of the National Academy of Sciences*, *Princeton University Press*, *Psychological Methods*, *Psychometrika*, *Public Opinion Quarterly*, *Quarterly Journal of*

Economics, Quarterly Journal of Political Science, Review of Economics and Statistics, Routledge, Sage Publications, Scandinavian Journal of Statistics, Science, Springer, Sociological Methodology, Sociological Methods & Research, Statistical Methodology, Statistical Methods and Applications, Statistical Methods in Medical Research, Statistical Science, Statistica Sinica, Statistics & Probability Letters, Statistics in Medicine, Systems Biology, U.S.-Israel Binational Science Foundation, Value in Health, World Politics.

University and Departmental Committees

University

- Executive Committee Member, Program in Statistics and Machine Learning (2013–present)
- Executive Committee Member, Committee for Statistical Studies (2011–present)
- Member, Organizing Committee, Retreat on Data and Information Science at Princeton (2016)
- Member, Council of the Princeton University Community (2015)
- Member, Search Committee for the Dean of College (2015)
- Member, Committee on the Library and Computing (2013–2016)
- Member, Committee on the Fund for Experimental Social Science (2013–present)
- Member, Personally Identifiable Research Data Group (2012–present)
- Member, Research Computing Advisory Group (2013–present)
- Member, Task Force on Statistics and Machine Learning (2014–2015)

Department of Politics

- Chair, Department Committee on Research and Computing (2012–present)
- Chair, Formal and Quantitative Methods Junior Search Committee (2012–2013, 2014–2015, 2016–2017)
- Chair, Reappointment Committee (2015–2016)
- Member, Diversity Initiative Committee (2014–2015)
- Member, American Politics Junior Search Committee (2012–2014)
- Member, Department Chair’s Advisory Committee (2010–2013, 2015–2016)
- Member, Department Priority Committee (2012–2013, 2014–2015, 2016–2017)
- Member, Formal and Quantitative Methods Curriculum Committee (2005–2006)
- Member, Formal and Quantitative Methods Junior Search Committee (2009–2010, 2015–2016)
- Member, Formal and Quantitative Methods Postdoc Search Committee (2009–current)
- Member, Graduate Admissions Committee (2012–2013)
- Member, Reappointment committee (2014–2016)
- Member, Space committee (2014–2016)
- Member, Undergraduate Curriculum Committee (2014–2015)

Member, Undergraduate Exam Committee (2007–2008)

Member, Undergraduate Thesis Prize Committee (2005–2006, 2008–2011)

Center for Statistics and Machine Learning

Executive Committee Member (2016–present)

Member, Search Committee (2015–2017)

Services to the Profession

National Academies of Sciences, Engineering, and Medicine

Committee on National Statistics, Division of Behavioral and Social Sciences and Education, Panel on the Review and Evaluation of the 2014 Survey of Income and Program Participation Content and Design (2014–2017)

The Society for Political Methodology

President (2017–2019)

Vice President and President Elect (2015–2017)

Annual Meeting Committee, Chair (2011)

Career Award Committee (2015–2017)

Program Committee for Annual Meeting (2012), Chair (2011)

Graduate Student Selection Committee for the Annual Meeting (2005), Chair (2011)

Miller Prize Selection Committee (2010–2011)

Statistical Software Award Committee (2009–2010)

Emerging Scholar Award Committee (2013)

American Statistical Association

Journal of Educational and Behavioral Statistics Management Committee (2016 – 2018)

Others

External Expert, Department of Methodology, London School of Economics and Political Science (2017 – present)

Memberships

American Political Science Association; American Statistical Association; Midwest Political Science Association; The Society for Political Methodology.