

DUSTIN TINGLEY

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Education

Princeton University, Ph.D., Politics, 2010

Princeton University, M.A., Politics, 2007

University of Rochester, B.A. Political Science (magna cum laude) w/ Minor in Mathematics, 2001

Appointments/Leadership

Paul Sack Associate Professor of Political Economy, Government Department, Harvard University, July 2013-

Assistant Professor, Government Department, Harvard University, July 2010-June 2013

Faculty Associate, Weatherhead Center for International Affairs, Institute for Quantitative Social Science, Harvard University Center for the Environment

Director (founding), [Program on Experience Based Learning in the Social Sciences](#), IQSS, and [ABLConnect](#), January 2012-present

Director, [Undergraduate Research Scholars Program](#), IQSS, November 2011-

Faculty Affiliate, Education Policy and Program Evaluation ([EPPE](#)), Harvard Ph.D. program in Education

Editor (founding), [The Experimental Political Scientist](#), APSA organized section newsletter, Fall 2010-Spring 2013

Peer Reviewed Articles

1. "TopicCheck: Interactive Alignment for Assessing Topic Model Stability", Association for Computational Linguistics Human Language Technologies, peer reviewed conference paper selected for oral presentation, 2015, with Jason Chuang, Margaret Roberts, Brandon Stewart, Rebecca Weiss, Dustin Tingley, Justin Grimmer and Jeffrey Heer
2. "Identifying Mechanisms behind Policy Interventions via Causal Mediation Analysis", conditionally accepted, *Journal of Policy Analysis and Management*, with Luke Keele and Teppei Yamamoto
3. "Computer-Assisted Reading and Discovery for Student Generated Text in Massive Open Online Courses", forthcoming, *Journal of Learning Analytics*, with Justin Reich, Jetson Leder-Luis, Margaret Roberts and Brandon Stewart
4. "The Political Economy of Inward FDI: Opposition to Chinese Mergers and Acquisitions", forthcoming, *Chinese Journal of International Relations*, with Christopher Xu, Adam Chilton, and Helen Milner
5. "Computer assisted text analysis for comparative politics", forthcoming, *Political Analysis*, with Christopher Lucas, Richard Nielsen, Margaret Roberts, Brandon Stewart, and Alex Storer
6. "Anti-Americanism or Anti-Interventionism in Arabic Twitter Discourses", forthcoming, *Perspectives on Politics*, with Amaney Jamal, Robert Keohane, and David Romney
7. "Computer-Assisted Content Analysis: Topic Models for Exploring Multiple Subjective Interpretations", 2014, *Neural Information Processing Society Workshop on Human-Propelled Machine Learning*, with Jason Chuang and 9 co-authors, (peer reviewed conference paper)
8. "Structural topic models for open ended survey responses", 2014, *American Journal of Political Science*, 58(4):1064-1082, awarded 2014 Gosnell Prize for Excellence in Political Methodology, with Margaret Roberts, Brandon Stewart, Christopher Lucas, Jetson Leder-Luis, Shana Gadarian, Bethany Albertson, and David G. Rand

9. "Assortative Mating Could Operate Through Olfactory Cues", 2014, *American Journal of Political Science*, 58(4):997-1005, with Rose McDermott and Pete Hatemi
10. "Practical Implications of Theoretical Results for Causal Mediation Analysis", 2014, *Psychological Methods*, 19(4):488-492 with Kosuke Imai, Luke Keele, and Teppei Yamamoto
11. "Physiological Arousal and Political Beliefs", forthcoming, *Political Psychology*, with Jonathan Renshon and Joa Julia Lee
12. "mediation: R package for causal mediation analysis", 2014, *Journal of Statistical Software*, 59(5): 1-38, with Teppei Yamamoto, Luke Keele, Kentaro Hirose, and Kosuke Imai
13. "Survey Research In International Political Economy: Motivations, Designs, Methods", 2014, *International Interactions*, 40(3):443-451
14. "Ethical Situations and their Effects on Judgments of Punishment", 2014, *Ethics and Behavior*, 24(3):253-262 with Ethan Ludwin-Perry
15. "Trade Policy, Economic Interests, and Party Politics in a Developing Country: The Political Economy of CAFTA", 2014, *International Studies Quarterly*, 58:106-117, with Raymond Hicks and Helen Milner
16. "Face-off: Facial Features and Strategic Choice", 2014, *Political Psychology*, 35(1):35-55
17. "Conditional Cooperation and Climate Change", 2014, *Comparative Political Studies*, 47(3): 344-368, with Michael Tomz
18. "The structural topic model and applied social science", 2013, *Neural Information Processing Society* with Margaret Roberts, Brandon Stewart, and Edoardo Airoldi (peer reviewed conference paper, selected for oral presentation)
19. "Public Opinion and Foreign Aid: A Review Essay", 2013, *International Interactions*, 39(3):389-401, with Helen Milner
20. "Dissecting direct and indirect genetic effects on chronic obstructive pulmonary disease (COPD) susceptibility", 2013, *Human Genetics*, 132(4):431-441, with Mateusz Siedlinski, Peter Lipman, Edwin Silverman, Christoph Lange, and 12 other investigators
21. "The Choice for Multilateralism: Foreign Aid and American Foreign Policy", 2013, *Review of International Organizations*, 8(3):313-341, lead article, with Helen Milner
22. "Public Finance and Immigration Preferences: A Lost Connection?", 2013, *Polity*, 45(1): 4-33, lead article
23. "Experimental Designs for Identifying Causal Mechanisms", 2013, *Journal of the Royal Statistical Society, Series A*, 176(1):5-51, selected for reading by the Royal Statistical Society, lead article, with Kosuke Imai and Teppei Yamamoto
24. "A Guide to Refereeing for new graduate students and recent Ph.D's", 2013, *PS: Political Science and Politics*, 46(1), with Beth Miller, Jon Pevehouse, Ron Rogowski, and Rick Wilson
25. "Dead Certain: Confidence and Conservatism Predict Aggression in Simulated International Crisis Decision-Making", 2012, *Human Nature*, 23:98-126, with Dominic Johnson, Rose McDermott and Jon Cowden
26. "A Statistical Method for Empirical Testing of Competing Theories", 2012, *American Journal of Political Science*, 56(1): 218-236, with Kosuke Imai
27. "Causal Mediation Analysis", 2011, *Stata Journal*, 11(4): 609-615, with Raymond Hicks

28. “Can Cheap Talk Deter? An Experimental Analysis”, 2011, *Journal of Conflict Resolution*, 55(6): 994-1018, with Barbara Walter
29. “Unpacking the Black Box of Causality: Learning about Causal Mechanisms from Experimental and Observational Data”, 2011, *American Political Science Review*, 105(4):765-789, with Kosuke Imai, Luke Keele, and Teppei Yamamoto
30. “The Effect of Repeated Play on Reputation Building: An Experimental Approach”, 2011, *International Organization*, 65, Spring: 343-365, with Barbara Walter
31. “The Dark Side of the Future: An Experimental Test of Commitment Problems in Bargaining”, 2011, *International Studies Quarterly*, 55: 521-544
32. “Who Supports Global Economic Engagement? The Sources of Preferences in American Foreign Economic Policy”, 2011, *International Organization*, 65, Winter: 37-68, with Helen Milner
33. “Belief Updating in Sequential Games of Two-Sided Incomplete Information: An Experimental Study of a Crisis Bargaining Model,” 2010, *Quarterly Journal of Political Science*, 5(3): 243-255, with Stephanie Wang
34. “A General Approach to Causal Mediation Analysis”, 2010, *Psychological Methods*, 15(4): 309-334, with Kosuke Imai and Luke Keele, lead article
35. “The Center Holds: Liberal Internationalism Survives”, 2010, *International Security*, 35(1): 75-94, with Stephen Chaudoin and Helen Milner
36. “The Political Economy of U.S. Foreign Aid: American Legislators and the Domestic Politics of Aid”, 2010, *Economics and Politics*, 22(2): 200-232, with Helen Milner
37. “Donors and Domestic Politics: Political Influences on Foreign Aid Commitments”, Spring 2010, *Quarterly Review of Economics and Finance*, 50(1): 40-49.
38. “Monoamine oxidase A gene (MAOA) predicts behavioral aggression following provocation”, *Proceedings of the National Academy of Sciences*, 2009, 106(7): 2118-2123, with Rose McDermott, Jonathan Cowden, Giovanni Frazzetto, and Dominic Johnson
39. “Evolving Political Science: Biological Adaptation, Rational Action, and Symbolism in Political Science” 2007, *Politics and Life Sciences*, 25(1): 23-41
40. “Neurological Imaging as Evidence in Political Science: A Review, Critique, and Guiding Assessment” *Social Science Information*, 2006, 45(1): 5-33

Law Review Articles

1. “Why the Study of International Law Needs Experiments”, 2013, *Columbia Journal of Transnational Law*, 52(1): 173-238, with Adam Chilton
2. “The Doctrinal Paradox and International Law”, 2012, *University of Pennsylvania Journal of International Law*, 34(1): 67-148, with Adam Chilton

Books

1. “Domestic Politics and American Foreign Policy: Sailing the Water’s Edge”, with Helen Milner, forthcoming 2015, Princeton University Press
2. “Strategic Foundations of Economics and Politics: An Active Learning Approach”, with Alice Hsiaw (draft nearly complete)

Edited Volumes

1. “The Geopolitics of Foreign Aid”, 2013, Volumes 1 and 2, edited with Helen Milner, Edward Elgar Publishing

Book chapters/Other publications

1. “Navigating the Local Modes of Big Data: The Case of Topic Models”, forthcoming, in “Data Analytics in Social Science, Government, and Industry”, Cambridge University Press, with Margaret Roberts and Brandon Stewart
2. “Negotiating Agreements in International Relations”, 2013, in “Negotiating Agreements in Politics”, eds. Cathie Jo Martin and Jane Mansbridge, APSA task force report, with co-chair John Odell
3. The Geopolitics of Foreign Aid, 2013, in *The Geopolitics of Foreign Aid*, Edward Elgar Publishing, with Helen Milner
4. “Reply to Discussions of ‘Experimental Designs for Identifying Causal Mechanisms’” 2013, Journal of the Royal Statistical Society, Series A, 176(1), 46-49, with Kosuke Imai and Teppei Yamamoto
5. Neurological Imaging and the Evaluation of Competing Theories, 2011, in *Biology and Politics: The Cutting Edge*, Albert Somit and Steven Peterson (eds.), Emerald Group
6. “The Contested State of U.S. Foreign Policy: Liberal Internationalism and American Politics”, H-Diplo, roundtable, 11(4), 2011, with Stephen Chaudoin and Helen Milner
7. “Causal Mediation Analysis in R”, with Kosuke Imai, Luke Keele, and Teppei Yamamoto, 2010 *Advances in Social Science Research Using R*, Springer
8. “Experimental Evidence for Reputation Building and Deterrence”, with Barbara Walter in *Reputation and Civil War: Why Separatist Conflicts Are So Violent*, 2009, Cambridge UP
9. Review of “Reinventing Foreign Aid”, William Easterly (ed.), *Review of International Organizations*, 2009

Working/Submitted Papers

- “The shadow of the future promotes cooperation in a repeated prisoners dilemma for children”, with Peter Blake, David Rand and Felix Warneken
- “Testing Multiple Causal Pathways via Mediation Analysis”, with Anton Strezhnev and Teppei Yamamoto
- “Climate Common Knowledge?”, with Matto Mildemberger
- “The Influence of Emotion on Trust”, with Dan Myers
- “Who are These People? Evaluating the Demographic Characteristics and Political Preferences of MTurk Survey Respondents”, with Connor Huff
- “stm: R package for Structural Topic Models”, with Margaret Roberts and Brandon Stewart
- “Physiological Responses to Shifting Bargaining Power: Micro-Foundations of Commitment Problems in International Politics”, with Joa Julia Lee and Jonathan Renshon
- “Rising Power on the Mind”
- “How does the UN Security Council influence public opinion”, with Mike Tomz
- “The Economic and Political Influences on Different Dimensions of United States Immigration Policy”, with Helen Milner

Software

- [mediation](#) – R package for conducting causal mediation analysis and sensitivity analysis, version 4.4 with Tepppei Yamamoto, Kentaro Hirose, Luke Keele, and Kosuke Imai
- [mediation](#) – Stata package for conducting causal mediation analysis and sensitivity analysis, with Raymond Hicks
- [stm](#) – R package for Structural Topic Model, with Margaret Roberts and Brandon Stewart
- [stmCorrViz](#) – R package for hierarchial visualization of topic correlations, with Antonio Coppola, Margaret Roberts and Brandon Stewart
- [stmBrowser](#) – R package for browser based visualization of topic models, with Michael Freeman, Margaret Roberts and Brandon Stewart
- [txtorg](#) – Python/pyLucene based package for document corpus management, indexing, and preparation for text analysis, with Christopher Lucas, and Alex Storer
- [translateR](#) – R package for automated access to Google and Microsoft Bing APIs for machine translation, with Christopher Lucas.
- [ABLConnect](#) – Web based platform for the collection, curation, and dissemination of active learning techniques
- [HELP](#) – **H**arvard **E**nvironmental **L**earning **P**latform, Web based platform for environment based teaching materials, with Harvard University Center for the Environment.

Teaching

Harvard University

- International Conflict and Cooperation (Undergraduate Lecture: GOV40)
- Experimental Political Science (Graduate: GOV2008)
- Domestic Politics and International Relations (Graduate: GOV2891; Undergraduate Lecture: GOV1782)
- Research Seminar in Domestic Politics and International Relations (GOV98dt)
- Research Workshop in International Relations (Graduate: GOV3005)
- Research Workshop in Political Economy (Graduate: GOV3007)

Empirical Implications of Theoretical Models

- Master Fellow in Residence, [summer 2011](#) (University of Chicago), [summer 2012](#) (Princeton University), summer 2013 (University of California at Berkeley), summer 2014 MFR/Instructor (Duke), summer 2015 Instructor (Michigan)

Winter Experimental Social Science Institute, NYU Abu Dhabi

- Lecturer on statistical methods for experimentalists, 2015

Princeton University

- Lead Instructor, Princeton University graduate student teacher training camp, 2007-2009
- Lead Instructor, Politics Department Math Camp, designed and taught 2 week course in linear algebra and calculus, 2008, 2009; course continues to be taught.
- Teaching Assistant, Politics Department, Theories of International Relations (Joanne Gowa), Introduction to International Relations (Edward Rhodes), 2006, 2007

- Tutor, Woodrow Wilson School Summer Program (micro-economics and statistics), 2007/2008

University of Rochester

- Teaching Assistant, American Politics (2000/2001) and International Relations (2001)
- Lead Instructor and course designer, “Understanding International Politics”, Rochester Scholars (summer camp for advanced high school students), 2002, 2003, 2004
- Drafted certificate program [Mathematical Modeling for Political Science and Economics](#)

Darrow School

- High School teacher, private boarding school, New Lebanon, NY; taught Statistics, Algebra, and Political Economy; dorm parent/sport coach, 2002–2004

Short Courses

- “[Unpacking the Black Box of Causality: Learning about Causal Mechanisms from Experimental and Observational Studies](#)”, 2012 APSA, with Luke Keele and Teppei Yamamoto (canceled due to hurricane), 2013 with Kosuke Imai
- Political Psychology and Experimental Political Science, 2013, IDC-Herzilya

Awards and Grants

Weatherhead Center Medium Research Grant, 2014, \$25,000

Harvard Initiative on Learning and Teaching, Harvard University, 2013, for support of <http://ablconnect.harvard.edu> \$30,000

Clark award for research, from Dean of FAS, Harvard University, 2013

Harvard University Center for the Environment, \$45,000

Junior Faculty Development grant, Harvard Academy, \$7,500

PIIRS Program on Communicating Scientific Uncertainty, with Mike Tomz, \$30,000

Mancur Olson Award for Best Political Economy Dissertation, honorable mention, 2011

Weatherhead Center Medium Research Grant, 2011, \$24,000

Elizabeth Procter Fellowship (“Honorific”, campus wide fellowship competition), 2009-2010

Bobst Center research grant, Princeton University, 2009, \$6,000

Niehaus Center for Globalization and Governance Fellowship, 2005-2007

Bobst Center research grant, Princeton University, 2007, \$5,000

Research Program on Political Economy research grant, Princeton University, 2006, \$1200

Institute for Humane Studies research grant, 2008, \$2000

EITM Summer Fellowship, Washington University at St. Louis, 2007

ICPSR Summer Fellowship, University of Michigan, 2002

Joseph P. O’Hern Award, University of Rochester (competitive award from Phi Beta Kappa for travel and study in Europe), 2001-2002

Jay F. Birdsall Award (Departmental award for practical politics both on campus and in the community), University of Rochester, 2001

Professional Presentations

Invited

2014

UCSD IR/PS Workshop on Behavioral International Relations, MIT Methods Workshop, Harris School Political Economy Workshop, HarvardX Workshop, Princeton IR/Field Experiments Conference, Princeton Methods Workshop, Tsinghua University (China), Beijing Foreign Studies University (China), Texas A&M IR Workshop, Princeton Niehaus Center IR Workshop

2013

EGAP, Columbia Comparative Workshop, Stanford Methods Workshop, NYU(x2), UT Austin IR Workshop, Princeton, IDC Herzliya, NCGG/GSPIA Goa India Conference, Northwestern MEDS, University of Kansas

2012

Princeton, USC, Caltech, Columbia IR Workshop, BYU, Yale Leitner Center Political Economy, Yale IR Workshop, Cornell IR Workshop

2011

Harvard Law School, Harvard JFK School, Vanderbilt, Princeton, Rutgers

2010

University of Virginia, Washington University at St. Louis, Oxford, Princeton

2009

Texas A&M, Harvard, William and Mary, University of Rochester

2007-2008

NYU, CSDP (Princeton)

Association Conferences (Panelist at all, C: chair, O: panel organizer, D: discussant)

APSA, 2002, 2005 (O), 2006, 2007 (C,O), 2008 (O,D), 2009 (O), 2010, 2011 (C,O,D), 2012, 2013, 2014

ISA, 2006 (O), 2007, 2008, 2009, 2010, 2012 (C,O,D)

MPSA, 2007, 2008 (C,O), 2009 (C), 2010 (O,D), 2013 (C,D)

International Political Economy Society (IPES), 2007, 2008, 2009, 2012

Political Methodology, 2009 (poster and paper)

Association of Politics and Life Sciences, 2004, 2005

Peter D. Watson Center, University of Rochester, 2002

Conferences Organized

Active Learning: From Evaluation to Practice, November 2014, with Robert Lue

[Negotiating Political Agreement](#), May 2013, with John Odell and Jane Mansbridge, Weatherhead Center and APSA funded Conference

[Frontiers in the Analysis of Causal Mechanisms](#), Spring 2012, with Teppei Yamamoto and Tyler

VanderWeele, IQSS funded Mindich Conference

[The Politics of Global Climate Change](#), February 2011, co-organizer, Princeton University's Niehaus

Center for Globalization and Governance

Graduate Student Conference on Experiments in Interactive Decision Making, November 2008, co-organizer

Service

Disciplinary

Editor (founding), [The Experimental Political Scientist](#), official newsletter APSA Experimental Section, Fall 2010-Spring 2013.

Co-chair (with John Odell), International Relations Working Group of the American Political Science Association 2013 Task force on Negotiating Agreements in Politics

[Teaching, Research, and International Policy \(TRIP\) Project](#) survey advisory board member

Organized APSA panel on improving journal reviews by advanced graduate students and new Ph.D's, 2011, panel included leading journal editors and article for *PS: Political Science and Politics*

Reviewing: American Political Science Review, American Journal of Political Science, British Journal of Political Science, Cambridge UP, Climate Change, Economics and Politics, European Journal of Political Economy, International Interactions, International Organization, Journal of Experimental Political Science, Journal of Peace Research, Journal of Public Economics, Journal of Conflict Resolution, National Science Foundation, Multivariate Behavioral Research, Nature Climate Change, Political Analysis, Political Research Quarterly, Political Psychology, Political Science Research Methods, Proceedings of the National Academy of Sciences, Quarterly Journal of Political Science, Review of International Organizations, Review of International Political Economy, Science, Social Neuroscience, Sociological Methods and Research, World Politics

University

Director (founding), [Program on Experience Based Learning in the Social Sciences](#), IQSS, and [ABLConnect](#), January 2012-present

Director, [Undergraduate Research Scholars Program](#), IQSS, November 2011-

Faculty Affiliate, Education Policy and Program Evaluation (EPPE), Harvard Ph.D. program in Education

Harvard Standing Committee on Higher Degrees in Political Economy and Government, 2012-current

Member, Standing Committee on Higher Degrees in Education, Harvard University, 2014-current

Truman Fellowship interview committee, Harvard University, 2012, 2013, 2014

FAS Standing Committee on Public Service (fall 2014-)

Harvard University Center for the Environment Fellows selection committee, 2015

Faculty chair, Harvard Experiments Working Group (graduate students) (fall 2014-)

Mentor, Harvard Initiative on Learning and Teaching fellow, 2014

Mentor, Harvard BLISS (Behavioral Laboratory in the Social Sciences), summer 2012, 2013, 2014

Guest lecturer, FAS Research Administration Services, Data management and security, 2013, 2014

Guest lecturer, Center for American Political Studies (CAPS), Undergraduate Thesis Workshop, 2014, 2015

Orientation Speaker, Weatherhead Center, 2011, 2012, 2013, 2014

HILT Conference speaker, Collaborative Learning, 2014

Mentor and Judge, Harvard College Undergraduate Research Association, National Collegiate Research Conference, 2015

Founded the [Research Reservoir](#), central location for data, coding, and each part of the research process

Manager, Princeton Laboratory for Experimental Social Science, 2008-2009

Departmental

Harvard [Government Department Graduate Student Poster Session](#), fall 2011, 2012, 2014 Inaugural organizer

Organized APSA @ Harvard, in lieu of 2012 APSA cancelation

Harvard Government Department Search Committee, 2011-2012, 2012-2013

Graduate Review Committee, Government Department, 2012-2103, 2013-2014

Coordinator, Princeton Political Methodology weekly speaker series, 2008-2009

Coordinator, Cooperative Congressional Election Study (Princeton team), 2008, 2009

Co-Captain, Leviathan, Politics Department summer softball team, 2007/2008, A-League Champions 2008

Politics Department Graduate Council (2005, 2006)

Additional past affiliations

Science and Technology Policy Research Unit, University of Sussex, Brighton, England,
Training and Guided Study (TAGS) program, January-May 2002

Peter D. Watson Center for Conflict and Cooperation, University of Rochester, Fellow, fall 2001

Dissertation Committees

Andrew Coe, 2012 Ph.D., University of Southern California, Iain Osgood, 2013 Ph.D., University of Michigan, Adam Chilton, 2013 Ph.D., University of Chicago Law School, Margaret Roberts, 2014 Ph.D., University of California at San Diego, Yuri Zhukov, 2014 Ph.D., University of Michigan, Shahrzad Sabet, 2014 Ph.D., Princeton Niehaus Center Post-doc Brandon Stewart, 2015 Ph.D., Princeton

References

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Rose McDermott
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