

JUSTIN GRIMMER

CONTACT INFORMATION

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Stanford University
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EMPLOYMENT

Stanford University

Assistant Professor, Department of Political Science. 2010-2014.
Associate Professor, Department of Political Science. 2014 - 2017. 2018.
Associate Professor (by courtesy), Department of Computer Science. 2016-2017.
Professor, Department of Political Science. 2018 - Present.
Morris M. Doyle Centennial Professor in Public Policy. 2023 - Present.

Hoover Institution

Senior Fellow. 2018-present

University of Chicago

Associate Professor, Department of Political Science and the College. 2017-2018.

EDUCATION

Harvard University *Department of Government*

Ph.D Political Science, 2010
A.M. Political Science, 2009

Wabash College,

A.B. Mathematics and Political Science 2005
Summa cum laude, Distinction in Mathematics and Political Science Comprehensive Exams

BOOKS

Representational Style in Congress: What Legislators Say and Why It Matters. *Cambridge University Press*, 2013.

The Impression of Influence: Legislator Communication, Representation, and Democratic Accountability. With Sean Westwood and Solomon Messing. *Princeton University Press*. 2014.

Text as Data: A New Framework for Machine Learning and the Social Sciences. With Margaret E Roberts and Brandon Stewart. *Princeton University Press*. 2022.

PUBLICATIONS

“Measuring the Contribution of Voting Blocs to Election Outcomes” with Will Marble and Cole Tanigawa-Lau. *Conditionally Accepted, Journal of Politics*

“Naïve regression requires weaker assumptions than factor models to adjust for multiple cause confounding” (with Dean Knox and Brandon Stewart) *Forthcoming, Journal of Machine Learning Research*

“Causal Inference with Latent Variables” with Christian Fong. *American Journal of Political Science*. 2023.

“How to Make Causal Inferences Using Texts” with Naoki Egami, Christian Fong, Margeret E. Roberts, and Brandon Stewart *Science Advances*. 2022.

“Reply to Kalmoe and Mason: The pitfalls of using surveys to measure low-prevalence attitudes and behavior” with Sean Westwood, Matt Tyler, and Clayton Nall. *Proceedings of the National Academy of Sciences*. 2022.

“Causal Inference in Natural Language Processing: Estimation, Prediction, Interpretation, and Beyond”. with Amir Feder, Katherine A. Keith, Emaad Manzoor, Reid Pryzant, Dhanya Sridhar, Zach Wood Doughty, Jacob Eisenstein, Roi Reichart, Margaret E. Roberts, Brandon M. Stewart, Victor Veitch, Diyi Yang. *Transactions of the Association for Computational Linguistics (TACL)*. 2022.

“Current Research Overstates American Support for Political Violence ” with Sean Westwood, Clayton Nall, and Matt Tyler. *Proceedings of the National Academy of Sciences*. 2022.

“A Women’s Voice in the House: Gender Composition and Its Consequences in Committee Hearings”. with Pamela Ban, Jaclyn Kaslovsky, and Emily West *Quarterly Journal of Political Science*. 2022.

“Partisan Enclaves and Information Bazaars: Mapping Selective Exposure to Online News” with Matt Tyler and Shanto Iyengar. *Journal of Politics*. 2022.

“The Durable Differential Deterrent Effect of Strict Photo Identification Laws” with Jesse Yoder. *Political Science Research and Methods*. 2022.

“No Evidence for Systematic Voter Fraud: A Guide To Statistical Claims About the 2020 Election” (with Andrew C. Eggers and Haritz Garro) *Proceedings of the National Academy of Sciences*. 2021.

“Machine Learning for Social Science: An Agnostic Approach” with Margaret E. Roberts and Brandon Stewart. *Annual Review of Political Science*. 2021

“Political Cultures”. with Lisa Blaydes. *Political Science Research and Methods*. 2020.

“Obstacles to Estimating Voter ID Laws’ Effect on Turnout”. with Eitan Hersh, Marc Meredith, Jonathan Mummolo, and Clayton Nall. *Journal of Politics*. 2018. 80 (3).

“Mirrors for Princes and Sultans: Advice on the Art of Governance in the Medieval Christian and Islamic Worlds” with Lisa Blaydes and Alison McQueen. *Journal of Politics*. 2018. 80 (4).

“Estimating Heterogeneous Treatment Effects and the Effects of Heterogeneous Treatments with Ensemble Methods” with Solomon Messing and Sean J. Westwood. *Political Analysis* 2017. 25(4). 413-434.

“Discovery of Treatments from Text Corpora” with Christian Fong. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL 2016)* Berlin, Germany

“Money in Exile: Campaign Contributions and Committee Access” with Eleanor Neff Powell. *Journal of Politics*. 2016. 78(4). 974-988.

“Measuring Representational Style in the House: The Tea Party, Obama, and Legislators’ Changing Expressed Priorities” in *Data Analytics in Social Science, Government, and Industry* Edited Volume from *Cambridge University Press*. 2016.

“TopicCheck: Interactive Alignment for Assessing Topic Model Stability” *North America Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL HLT)*. Jason Chuang, Molly Roberts, Brandon Stewart, Rebecca Weiss, Dustin Tingley, Justin Grimmer,

and Jeffrey Heer. 2015.

“We’re All Social Scientists Now: How Big Data, Machine Learning, and Causal Inference Work Together” Part of Symposium on “Formal Theory, Causal Inference, and Big Data” *PS: Political Science & Politics*, 2015. 48(1), 80-83

“Computer-Assisted Content Analysis: Topic Models for Exploring Multiple Subjective Interpretations.” *Advances in Neural Information Processing Systems Workshop on Human-Propelled Machine Learning*. Jason Chuang, John D. Wilkerson, Rebecca Weiss, Dustin Tingley, Brandon M. Stewart, Margaret E. Roberts, Forough Poursabzi-Sagdeh, Justin Grimmer, Leah Findlater, Jordan Boyd-Graber, and Jeffrey Heer. 2014.

“Congressmen in Exile: The Politics and Consequences of Involuntary Committee Removal” with Eleanor Neff Powell. *The Journal of Politics*, 2013. 75 (4), 907–920

“Appropriators not Position Takers: The Distorting Effects of Electoral Incentives on Congressional Representation”. *American Journal of Political Science*, 2013. 57 (3), 624–642.

“Text as Data: The Promise and Pitfalls of Automatic Content Analysis Methods for Political Documents” with Brandon Stewart. *Political Analysis*, 2013. 21 (3), 267–297.

“Evaluating Model Performance in Fictitious Prediction Problems”. Discussion of “Multinomial Inverse Regression for Text Analysis” by Matthew Taddy. *Journal of the American Statistical Association* 2013.108 (503) 770-771

“Elevated Threat-Levels and Decreased Expectations: How Democracy Handles Terrorist Threats” with Tabitha Bonilla. *Poetics*, 2013. 41, 650-669.
- Special issue on topic models in the social sciences

“How Words and Money Cultivate a Personal Vote: The Effect of Legislator Credit Claiming on Constituent Credit Allocation” with Solomon Messing and Sean Westwood. *American Political Science Review*, 2012. 106 (4), 703–719.

“General Purpose Computer-Assisted Clustering and Conceptualization” with Gary King. *Proceedings of the National Academy of Sciences*, 2011. 108 (7), 2643-2650.

“An Introduction to Bayesian Inference Via Variational Approximations” *Political Analysis*, 2011. 19(1), 32–47.
- Included in *Political Analysis* virtual issue on Big Data in Political Science

“Approval Regulation and Endogenous Provision of Confidence: Theory and Analogies to Licensing, Safety, and Financial Regulation” with Daniel Carpenter and Eric Lomazoff. *Regulation and Governance*. 2010. 4(4) 383-407.

“A Bayesian Hierarchical Topic Model for Political Texts: Measuring Expressed Agendas in Senate Press Releases” *Political Analysis*, 2010. 18(1), 1–35.
- Included in *Political Analysis* virtual issue on Bayesian methods in Political Science

WORKING PAPERS “What Can We Learn About How Political Campaigns Activate Attitudes?” with Will Marble and Cole Tanigawa-Lau.

“The Unreliability of Measures of Intercoder Reliability, and What to do About it”. with Gary King, Chiara Superti, and Matt Tyler.

“The Effects of Shifting Priorities and Capacity on Policy Work and Constituency Service: Evidence from a Census of Legislator Requests to U.S. Federal Agencies”. with Devin Judge-Lord and Eleanor Neff Powell. (Under Review).

“Assessing the Reliability of Probabilistic US Presidential Election Forecasts May Take Decades” with Dean Knox and Sean Westwood (Under Review).

“Evaluating a New Generation of Expansive Claims about Vote Manipulation” with Michael Herron and Matthew Tyler. (Revise and Resubmit).

REVIEWS AND OTHER WRITING

Review of *Cyberwar: How Russian Hackers and Trolls Helped Elect a President* Public Opinion Quarterly. 2019. 83, 1.

“Dismantling Trump’s Election Fraud Claims”. Washington Times, February 8, 2021. with Andrew B. Hall

“In the voter fraud debate, be wary of junk science”. The Hill, August 27, 2021. with Andrew B. Hall and Daniel Thompson

Public Engagement and Reports

“Strengthening the Integrity of Presidential Elections” American Enterprise Institute Panel. June, 2021. <https://www.c-span.org/video/?512799-1/strengthening-integrity-presidential-elections>

“Brief of Amicus Curiae in Holmes et. al v Moore, et al” March, 2022.

“Changing the Default: The Impact of Motor-Voter Reform in Colorado” (with Jonathan Rodden).

“Evaluating Look Ahead Americas ‘The Georgia Report’ On Illegal, Out-Of-State Voting In The 2020 Election” (with Andrew Hall and Dan Thompson)

“High Correlations Between Predicted and Actual Ballots Do Not Imply Fraud” (with Matt Tyler)

HONORS AND AWARDS

2018. Wabash College Jeremy R. Wright Young Alumnus Distinguished Service Award

2015. Political Methodology section emerging scholar award. Awarded to a young researcher, within ten years of their degree, who is making notable contributions to the field of political methodology.

2015. School of Humanities and Sciences Dean’s award for achievement in teaching.

2014. The Richard F. Fenno, Jr. Prize. Awarded to the best book in legislative studies published in 2013.

2013. *Political Analysis* Editor’s Choice Award for an article providing an especially significant contribution to political methodology.

2012. School of Humanities and Sciences Dean’s award for achievement in the first years of teaching at Stanford.

2011. Warren Miller Prize. Awarded for the best paper published in *Political Analysis* in 2010.

2010. Senator Charles Sumner Prize. Awarded by the Harvard Government faculty for the best dissertation from the legal, political, historical, economic, social, or ethnic approach, dealing with any means or measures tending toward the prevention of war and the establishment of universal peace.

2010. Robert H. Durr award, for the best paper presented at the 2009 Midwest Political Science Association meeting applying quantitative methods to a substantive problem.

2010. Certificate of Distinction in Teaching, Gov 2010: Qualitative and Quantitative Research Design.

2008. John T. Williams Prize. Awarded by the Society for Political Methodology for best dissertation proposal.

2005. Phi Beta Kappa, Wabash College.

2005. John Maurice Butler Prize. Awarded to the senior who, by vote of the Wabash College faculty, has highest achievements in scholarship and character.

2005. N. Ryan Shaw II Political Science Award. Awarded to the outstanding senior political science major.

2005. George E. Cascallen Prize in Mathematics. Awarded to the outstanding senior Mathematics major.

FELLOWSHIPS AND GRANTS

2013-2016. Stanford University Victoria Schuck Faculty Scholar in the School of Humanities and Sciences.

2013-2014. Stanford University, United Parcel Service Endowment Fund Grant, “Infrastructure Spending in American Cities”.

2013-2014. National Fellow, Hoover Institute.

2012-2013. Faculty Fellow, Institute for Research in the Social Sciences.

2011-2013. Visiting Fellow, Hoover Institute.

2010. Dirksen Center Congressional research award, for “It’s the Flow Not the Stock: Congressional Staff and Their Influence on Policy Outcomes” (with Matt Blackwell).

2009-2010. Center for American Political Studies (CAPS) dissertation completion fellowship.

2009. Eliot Dissertation Completion Grant. A competitive, merit-based Graduate School of Arts and Sciences fellowship for the Social Sciences (declined).

2008-2009. CAPS dissertation research fellowship.

2005-2006. National Science Foundation Graduate Research Fellowship, Honorable Mention.

SOFTWARE AND PATENTS

Patent Number: US 8,438,162 B2 Method and Apparatus for Selecting Clusterings to Classify a Predetermined Data Set (with Gary King)

Patent Number: US 9,519,705 B2 Method and Apparatus for Selecting Clusterings to Classify a Data Set. (with Gary King)

Consilience: Software for Understanding Large Volumes of Unstructure Text (with Merce Crosas, Gary King and Brandon Stewart) (consilience.com).

Implements a general purpose methodology to facilitate discovery in large collections of texts

textEffect (CRAN)

Implements text as intervention method introduced in Fong and Grimmer (2016).

“arima: ARIMA time series models” in Kosuke Imai, Gary King, and Olivia Lau “Zelig: Everyone’s Statistical Software”. 2006.

INVITED
PRESENTATIONS
AND WORKSHOPS
(LAST 3 YEARS)

International Methods Colloquim. 2021.
MIT Election Administration Workshop. 2021. Princeton Elections Workshop. 2021.
Chicago Committee of Quantitative Methods. 2021. Duke Political Science. 2022
Summer Institute for Computational Social Science. 2022
Legislative Politics Conference. University of Oklahoma. 2022
California Association of Clerks and Election Officials. 2022
Political Science Department. University of Texas. 2023
Applied Statistics Workshop. Harvard University. 2023
Ash Center Workshop. Harvard University. 2023
Decision Process Collquia. Wharton Business School, University of Pennsylvania. 2023

PROFESSIONAL AND
DEPARTMENTAL
SERVICE

Reviewer for *American Political Science Review*, *American Journal of Political Science*, *Journal of Politics*, *Journal of the American Statistical Association*, *Proceedings of the National Academy of Sciences*, *British Journal of Political Science*, *Political Analysis*, *State Politics and Policy Quarterly*, *Public Opinion Quarterly*, *Journal of Public Economics*, *Legislative Studies Quarterly*, *Congress and the Presidency*, *Journal of Political Communication*, *Political Science Research and Methods*, *Research and Politics*, *American Politics Research*, *Political Behavior*, *Journal of Information Technology & Politics*, *Journal of Information Science*, *Journal of Artificial Intelligence Research*, *Evaluation and Program Planning*, *National Science Foundation*, *Journal of Social Structure*, *Sociological Methodology*, *Cambridge University Press*, *Oxford University Press*, *Social Forces*, *Chapman & Hall (CRC Press)*, *North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL HLT)*, *Association for Computational Linguistics Annual Conference (ACL)*, *Social Science Computer Review*, *Swiss National Science Foundation*

Interim President, Text as Data Society Member, Department Policy and Planning Committee (2015-2017, 2018-present) Member, Department DEI Committee (2020-2021)
Co-Director, Democracy and Polarization Lab. 2018-Present
Chair, Omnibus Faculty Search Committee. 2018
Organizer Text as Data. 2019. (TADA2019)
Editorial Board Member, *Political Analysis* (2014-2015)
Co-Editor, *Political Analysis Letters* (2014-2018)
Editorial Board Member, *Journal of Politics* (2015-Present)
Graduate Admissions Committee, 2010-2011
Omnibus Faculty Search Committee, 2011-2012
Award Committee, Warren Miller Prize, 2012-2013
Award Committee, Fenno Prize, 2014-2015
Methods Curriculum Committee, 2013-2014
Undergraduate Curriculum Committee, 2013-2014, 2014-2015
Policy and Planning Committee, 2014-2016, 2018-Present
Director of Undergraduate Studies, 2015-2016.
Co-organizer: Stanford Conference on Computational Social Science. June 1st, 2012.
Section Chair for Legislative Campaigns and Elections. MPSA, 2013.
Program Committee: Neural Information Processing Systems (NIPS), Computational Social Science Workshop, 2011, Topic Modeling Workshop 2013