

# JUSTIN GRIMMER

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## CONTACT INFORMATION

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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

### **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: How to Make Social Science Inferences Using Language. With Margaret E Roberts and Brandon Stewart. (Under Contract, Princeton University Press)

## PUBLICATIONS

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

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

“The Durable Differential Deterrent Effect of Strict Photo Identification Laws” with Jesse Yoder. *Political Science Research and Methods*. 2020.

“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. *Proceed-*

*ings 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 “Causal Inference with Latent Variables” with Christian Fong (Revise and Resubmit)

“How to Make Causal Inferences Using Texts” with Naoki Egami, Christian Fong, Margeret E. Roberts, and Brandon Stewart (Under Review)

“A Women’s Voice in the House: Gender Composition and Its Consequences in Committee Hearings”. with Pamela Ban, Jaclyn Kaslovsky, and Emily West (Under Review)

“Who Put Trump in the White House? Explaining the Contribution of Voting Blocs to Trump’s Victory” with Will Marble. (Under Review)

“The Effect of Identifying Constituents on Representative-Constituent Communication” with Monica Lee.

“The Limited Effect of Presidential Public Appeals” with Annie Franco and Chloe Lim (Under Review).

“Changing the Subject to Build An Audience: How Elected Officials Affect Constituent Communication” with Annie Franco and Monica Lee (Under Review)

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

REVIEWS AND  
OTHER WRITING

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

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)

Department of Political Science and Economics. ITAM, Mexico City. 2016

Department of Political Science. University of California, San Diego. 2016

Digital and Computational Knowledge Initiative. Wesleyan University. 2016

New Directions in Computational Social Science and Data Science. University of California, Berkeley. 2016

Atlantic Causal Inference Conference. New York University. 2016.

Interdisciplinary Seminar in Quantitative Methods. University of Michigan. 2016.

Department of Political Science. Columbia University. 2016

Department of Political Science. University of California-Berkeley. 2017

Department of Political Science. Duke University. 2017

Department of Sociology. University of California-Berkeley. 2017

Center for Statistics and Social Science. University of Washington. 2017

Big Data and Human Behavior Speaker Series. University of Southern California. 2017

Text as Data Workshop. University of California, Merced. 2017.

International Conference for Computational Social Science. Keynote. Cologne, Germany. 2017

Text as Data Workshop. Washington University, St. Louis. 2017.

Amazon. Seattle. 2017.

Facebook Artificial Intelligence. New York. 2017.

Text as Data Workshop. University of Copenhagen. 2017.

American Politics Workshop. University of Notre Dame. 2017.

Department of Political Science. Northwestern University. 2018.

Methods Workshop. Northwestern University. 2018.

Methods Workshop. Department of Political Science. Yale University. 2018.

Methods Workshop. Department of Political Science. Texas A&M University. 2018.

MIDAS Interdisciplinary Seminar Series. University of Michigan. 2019.

American Politics Workshop. Department of Political Science. UC Berkeley. 2019.

American Politics Workshop. Department of Political Science. New York University. 2019.

Summer Institute in Computational Social Science. Princeton University. 2019.

Empirical Implementations of Theoretical Models. Emory University. 2019.

Southern California Methods Workshop. UC Riverside. 2019.

Data Science Institute. Columbia University. 2019.

Department of Politics and CSDP. Princeton University. 2019.

Text as Data Workshop. US Census Bureau. 2019.

TextXD Keynote Address. UC Berkeley. 2019.

Department of Political Science. University of North Carolina. 2020.

Institute for Advanced Study. Princeton University. 2020

Duke Law School. 2020.

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*

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