

Christopher Lucas

CGIS K320, Institute for Quantitative Social Science
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Cambridge, Massachusetts 02138

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EDUCATION Harvard University, *Department of Government* Cambridge, MA
A.M., Ph.D., Political Science 2018 (expected)
Dissertation: *More Than Words: Essays on the Analysis of Audio-Visual Data*
Committee: Gary King (chair), Dustin Tingley, Xiang Zhou

Lipscomb University, *Department of History, Politics, & Philosophy* Nashville, TN
B.A., Political Science 2009
Valedictorian, *summa cum laude*

- PUBLICATIONS**
- [4] King, Gary, Christopher Lucas, and Richard Nielsen. “The Balance-Sample Size Frontier in Matching Methods for Causal Inference.” *American Journal of Political Science* 61, no. 2 (2017): 473-489.
 - [3] Lucas, Christopher, Richard A. Nielsen, Margaret E. Roberts, Brandon M. Stewart, Alex Storer, and Dustin Tingley. “Computer-Assisted Text Analysis for Comparative Politics.” *Political Analysis* 23, no. 2 (2015): 254-277.
 - [2] Charnysh, Volha, Christopher Lucas, and Prerna Singh. “The Ties that Bind: National Identity Salience and Pro-Social Behavior Toward the Ethnic Other.” *Comparative Political Studies* 48, no. 3 (2015): 267-300.
 - [1] Roberts, Margaret E., Brandon M. Stewart, Dustin Tingley, Christopher Lucas, Jetson Leder-Luis, Shana Kushner Gadarian, Bethany Albertson, and David G. Rand. “Structural Topic Models for Open-Ended Survey Responses.” *American Journal of Political Science* 58, no. 4 (2014): 1064-1082.

- WORKING PAPERS**
- White, Ariel, Anton Strezhnev, Christopher Lucas, Dominika Kruszewska, and Connor Huff. “Investigator Characteristics and Respondent Behavior in Online Surveys.” *Submitted*.
 - Knox, Dean and Christopher Lucas. “A General Approach to Classifying Mode of Speech: The Speaker-Affect Model for Audio Data.”
 - Knox, Dean, Christopher Lucas, and Justin de Benedictis-Kessner. “Words Don’t Fit The Picture: Using Computer Vision to Measure Speaker Sentiment in Videos.”
 - King, Gary, Christopher Lucas, and Richard Nielsen. “MatchingFrontier: R Package for Automated Matching for Causal Inference.”
 - Goplerud, Max, Dean Knox, and Christopher Lucas. “The Rhetoric of Parliamentary Debate.”

AWARDS 2014 The Gosnell Prize for Excellence in Political Methodology, with Margaret Roberts, Brandon Stewart, Dustin Tingley, Jetson Leder-Luis, Shana Gadarian, Bethany Albertson, and David Rand, for “Structural topic models for open-ended survey responses.”

GRANTS External

- 2015 Weiss Family Program Fund for Research in Development Economics, with Horacio Larreguy and John Marshall (\$24,160)
J-PAL Political Economy and Governance Program, with Horacio Larreguy and John Marshall (\$59,560)

Internal

- 2017 The Institute for Quantitative Social Science (\$800)
2016 The Institute for Quantitative Social Science, with Connor Huff, Mayya Komisarich, Gabriel Malina, Shom Mazumder, David Romney, and Dustin Tingley (\$1,800)
The Institute for Quantitative Social Science, with Max Goplerud and Dean Knox (\$3,000)
The Center for American Political Studies, with Connor Huff and Ariel White (\$1,000)
The Center for American Political Studies, with Connor Huff, Dominika Kruszewska, Anton Strezhnev, and Ariel White (\$1,000)
The Center for American Political Studies (\$1,000)
2015 The Weatherhead Center for International Affairs, with Connor Huff, Shiro Kuriwaki, and Dustin Tingley (\$1,500)
The Institute for Quantitative Social Science, with Connor Huff, Shiro Kuriwaki, and Dustin Tingley (\$1,800)
The Institute for Quantitative Social Science (\$1,000)
2014 The Institute for Quantitative Social Science, with Connor Huff (\$2,000)
The Weatherhead Center for International Affairs, with Connor Huff (\$4,000)
The Center for American Political Studies, with Daniel J. Moskowitz (\$1,000)

CONFERENCES ORGANIZED

- 2017 Harvard Experimental Political Science Graduate Student Conference II, with Connor Huff, Mayya Komisarich, Gabriel Malina, Shom Mazumder, David Romney, and Dustin Tingley
2016 Harvard Experimental Political Science Graduate Student Conference I, with Connor Huff, Dominika Kruszewska, Shiro Kuriwaki, and Dustin Tingley

PRESENTATIONS Invited Talks

- 2017 Translational Data Science Workshop, University of Chicago/OSU
International Methods Colloquium
2015 Department of Biostatistics, Harvard University
Hewlett-Packard Big Data Conference
New Faces in Political Methodology, Pennsylvania State University

Conference Presentations

- 2017 APSA Annual Meeting
MPSA Annual Conference
University of Pennsylvania Political Science Graduate Student Conference
2016 APSA Annual Meeting
PolMeth XXXIII
MPSA Annual Conference
Harvard Experimental Political Science Graduate Student Conference
NYU-CESS Experimental Political Science Conference Poster Session
2014 APSA Annual Meeting
2013 APSA Annual Meeting
PolMeth XXX
MPSA Annual Conference
NYU-CESS Experimental Political Science Conference
2012 PolMeth XXIX Poster Session

SOFTWARE SAM: Feature Extraction and Analysis for Emotion Detection in Audio-Visual Data.
Knox, Dean and Christopher Lucas

transcribeR: Automated Transcription of Audio Files Through the HP IDOL API.
Lucas, Christopher, Dean Knox, Dustin Tingley, Thomas Scanlan, Shiv Sunil, Michael May, and Angela Su

MatchingFrontier: R Package for Calculating the Balance-Sample Size Frontier.
King, Gary, Christopher Lucas, and Richard Nielsen

translateR: R bindings to the Google and Microsoft Translation APIs.
Lucas, Christopher and Dustin Tingley

txtorg: Python-based program (GUI included) for processing large amounts of text data.
Lucas, Christopher, Alex Storer, and Dustin Tingley

TEACHING **Course Instructor**

Johns Hopkins University

Text as Data

Topics: Topic Models, Naive Bayes, SVM, Word Embeddings, Neural Networks, Web Scraping, R, Python
Summer 2017, *Adjunct Professor*

Short Courses

Peking University

Advanced Quantitative Methodology

Topics: Machine Learning for Causal Inference
Summer 2017, Instructor (with Gary King)

University of Milan

Computational Modeling of Text for the Social Sciences

Topics: Text as Data, Topic Models, R
Spring 2017, Instructor

Teaching Assistant

Harvard University

Statistics 107: Introduction to Business and Financial Statistics (Michael Parzen)

Topics: Bootstrap, Monte Carlo, OLS, Time Series, Neural Networks, R
Fall 2016, *Head Teaching Fellow*

Empirical & Mathematical Reasoning 13: Analyzing Politics (Kenneth Shepsle)

Topics: Social Choice Theory, Spatial Models, Collective Action, Legislative Models
Spring 2017, *Teaching Fellow*
Spring 2016, *Teaching Fellow*

Government 40: International Conflict and Cooperation (Amy Catalinac and Michael Hiscox)

Topics: Bargaining Model of War, Conflict, IOs, IPE
Spring 2015, *Head Teaching Fellow*

Government 1780: International Political Economy (Jeffrey Frieden)

Topics: Trade, Finance, Development, Immigration, Interest Groups
Fall 2014, *Head Teaching Fellow*

Government 1793: Media, Public Opinion and Foreign Policy (Matthew Baum)
Topics: Opinion Formation, Institutions and the Media, News and War
Spring 2014, *Teaching Fellow*

Government 20: Foundations of Comparative Politics (Stephen Levitsky)
Topics: Democratization, Development, Conflict, Revolutions, Institutions, Civil Society
Fall 2013, *Teaching Fellow*

SERVICE Discipline

Reviewer for:

American Journal of Political Science, American Political Science Review, Conflict Management and Peace Science, Computational Statistics and Data Analysis, Journal of Peace Research, Political Analysis, Political Research Quarterly

University

Government Department Representative, Graduate Student Council, 2014 - 2015

Departmental

Co-Coordinator, Harvard Experiments Working Group, 2014 - 2016

Co-Founder, Harvard Experiments Working Group, 2014

Senior Thesis Adviser, 2014 - 2015

Graduate Student Coordinator, Research Workshop in Comparative Politics, 2014 - 2015

Research Mentor, Center for American Political Studies, 2013 - 2014

Student Representative, Graduate Program Committee, 2012 - 2015