

## Aaron R. Kaufman

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CONTACT INFORMATION	Aaron R. Kaufman Department of Government Harvard University Cambridge, MA 02143 USA	<i>Voice:</i> (818) 263-5583 <i>E-mail:</i> aaronkaufman@fas.harvard.edu <i>Twitter:</i> @aaronrkaufman <i>www:</i> <a href="http://aaronrkaufman.com">http://aaronrkaufman.com</a>
RESEARCH INTERESTS	American political behavior, state and local politics, judicial politics, redistricting; machine learning, text analysis, causal inference, survey methodology, political networks, measurement	
EDUCATION	<b>Harvard University</b> , Cambridge, Massachusetts USA Ph.D. Candidate, Government, expected May 2018 <ul style="list-style-type: none"><li>• Dissertation Topic: “Essays on The Applications of Machine Learning for Causal Inference on American Political Behavior &amp; Institutions”</li><li>• Advisors: Gary King (chair), Ryan Enos, Luke Miratrix, Maya Sen</li></ul> A.M., Statistics, awarded December 2015  <b>University of California, Berkeley</b> , Berkeley, California USA B.A., Political Science and Public Policy, May, 2013	
HONORS AND AWARDS	Foundations of Human Behavior Research Grant 2017 Institute for Quantitative Social Science Research Grant: 2014, 2015, 2016 Center for American Political Studies Seed Grant 2014 William Yandell Elliott Graduate Fellowship, Harvard University, 2013 Institute for Governmental Studies & Charles H. Percy Undergraduate Grant for Public Affairs Research 2013 Title: Looking Up Your Representative’s Vote: C For Effort? UC Berkeley Center for the Study of Value Personal Integrity Prize 2012 Title: Irrational Actors, False-Positive Psychology, and the Limits of Causal Inference: If you torture the numbers enough, they’ll talk.	
ACADEMIC EXPERIENCE	<b>Harvard University</b> , Cambridge, Massachusetts USA <i>Affiliated Researcher, Berkman Klein Center for the Internet and Society</i> <b>May 2018 - present</b>  <i>Graduate Student Researcher, Institute for Quantitative Social Science</i> <b>May 2013 - present</b>  <i>Research Assistant, Institute for Governmental Studies</i> <b>January, 2012 - May 2013</b> Data analysis in Stata and R and survey design in Qualtrics.  <i>Summer Research Intern, California Common Cause</i> <b>May, 2011 - July 2011</b> Data analysis in Excel and social media analysis focusing on the 2010 redistricting cycle in California.	
PUBLICATIONS	Yuan, L.H., L. Bornn, A. Franks, <b>A.R. Kaufman</b> , A. Liu, P. Bull, L.H. Yuan, A. Reece, S. Wang, A. Yeh, and D. Ilushin. A Mixture-of-Modelers Approach to Forecasting NCAA Tournament Outcomes. <i>Journal of Quantitative Analysis in Sports</i> 11.1 (2015).	

**Kaufman, A.R.** Review of “Multiple Factorial Analysis by Example Using R”. *Journal of the American Statistical Association*, 110.512 (2015).

WORKING PAPERS **Kaufman, A.R.**, P. Kraft, and M. Sen. Improving Supreme Court Forecasting Using Boosted Decision Trees. *Revise and Resubmit at Political Analysis*. Draft available at [http://www.aaronkaufman.com/wp-content/uploads/2017/07/court\\_preds.pdf](http://www.aaronkaufman.com/wp-content/uploads/2017/07/court_preds.pdf).

Enos, R., **A.R. Kaufman**, and M. Sands. Can Violent Protest Change Local Policy Support? Evidence from the Aftermath of the 1992 Los Angeles Riot. *Revise and Resubmit at American Political Science Review*. Draft available at [http://www.aaronkaufman.com/wp-content/uploads/2016/06/riots\\_draft.pdf](http://www.aaronkaufman.com/wp-content/uploads/2016/06/riots_draft.pdf)

**Kaufman, A.R.**, G. King, and M. Komisarchik. How to Measure Legislative District Compactness If You Only Know it When You See it. *Revise and Resubmit at American Journal of Political Science*. Draft available at [j.mp/Compactness](http://j.mp/Compactness).

R. Deliberato, S. Ko, T. Sundaresan, **A.R. Kaufman**, and L.A. Celi. Sequential Modeling using Different Machine Learning Approaches to Improve Mortality Prediction in the Intensive Care Unit. *Under review*.

Mozer, R., L. Miratrix, **A.R. Kaufman**, and L.J. Anastasopoulos. Matching with Text Data: An Experimental Evaluation of Methods for Matching Documents and of Measuring Match Quality. Draft available at <https://arxiv.org/abs/1801.00644>.

PAPERS IN  
PREPARATION

**Kaufman, A.R.** Estimating the Partisan Bias of Survey Questions.

**Kaufman, A.R.** and J. Rogowski. The Unilateral Presidency, 1953-2016.

**Kaufman, A.R.** and M. Sen. “Jiggery-Pokery”: Testing Theories of Judicial Behavior Using Text Networks.

Barberá, P. and **A.R. Kaufman**. And Yet They Move: Candidates’ Ideological Repositioning During Primary and General Election Campaigns.

**Kaufman, A.R.** and M. Kim. SeqBlock: Open-Source Software for Sequential Optimal Blocking in Online Survey Experiments

Bonvini, M., L. Celi, D. Ramazzotti, R. Stretch, and **A.R. Kaufman**. Comparison of Imputation Methods to Predict Baseline Serum Creatinine.

**Kaufman, A.R.**, D.E. Broockman, and G. Lenz. Conservationism is not Conservativism: Do Interest Group Endorsements Inform Voters?

CONFERENCE  
PRESENTATIONS

**Kaufman, A.R.** and J. Rogowski. Measuring the Significance of Executive Actions using Text. 2017 Meeting of the American Political Science Association, San Francisco, CA, September 2017.

**Kaufman, A.R.**, G. King, and M. Komisarchik. How to Measure Legislative District Compactness If You Only Know it When You See it. 2017 Summer Meeting of the Society for Political Methodology, Madison, Wisconsin, July 2017.

Bonvini, M., L. Celi, D. Ramazzotti, R. Stretch, and **A.R. Kaufman**. Comparison of Imputation Methods to Predict Baseline Serum Creatinine. Society for Critical Care in Medicine, January 2017.

**Kaufman, A.R.**, R. Enos, and M. Sands. The Saliency of Intergroup Tensions and Discrimination in Public Goods Distribution: Evidence from the Aftermath of the 1992 Los Angeles Riot. 2016 Meeting of the American Political Science Association, Philadelphia, PA, August 2016.

**Kaufman, A.R.** and P. Barberá . And Yet They Move: Candidates' Ideological Repositioning During Primary and General Election Campaigns. 2016 Meeting of the European Political Science Association, Brussels, BEL, June 2016.

**Kaufman, A.R.** and M. Sen. Predicting Supreme Court Justice Votes Using Text Networks. *Poster*. Summer Meeting of the Society for Political Methodology, Rochester, New York, July 2015.

**Kaufman, A.R.** Estimating the Partisan Bias in Survey Questions. *Poster*. Summer Meeting of the Society for Political Methodology, Athens, Georgia, July 2014.

#### INVITED TALKS

**Kaufman, A.R.**. Machine Learning and Data Security. Technical University of Madrid, Madrid Critical Care Datathon, December 2017.

**Kaufman, A.R.**, G. King, and M. Komisarchik. How to Measure Legislative District Compactness If You Only Know it When You See it. Harvard University, Applied Statistics Workshop, September 2017.

Barberá, P. and **A.R. Kaufman**. And Yet They Move: Candidates' Ideological Repositioning During Primary and General Election Campaigns. University of Massachusetts, Amherst Computational Social Science Institute Seminar, April 2017.

Enos, R., **A.R. Kaufman**, and M. Sands. Can Violent Protest Change Local Policy Support? Evidence from the Aftermath of the 1992 Los Angeles Riot. University of Southern California NetDem Seminar, March 2017.

**Kaufman, A.R.**, M. Bonvini, and A. Gelman. A Machine Learning Approach to Multiple Imputation with Chained Equations. MIT Department of Health Sciences and Technology, March 2016.

#### TEACHING

Applied Statistics Workshop, Fall 2015 and Spring 2016.

Research Practice in Quantitative Methods, Spring 2016.

Statistical Computing and Simulation-Based Analysis, Spring 2016 and Spring 2017.

American Politics, A New Perspective, Fall 2015, Fall 2016, Summer 2017, Fall 2017, Spring 2018.

The Road to the White House, Fall 2016.

Statistical Inference, Spring 2018.

#### COMPUTER SKILLS

- Statistical Packages: R, R Shiny, Stata
- Languages: Python, Scala, XML, JSON, Julia, SQL, PHP
- Applications: ArcGIS, L<sup>A</sup>T<sub>E</sub>X, MapReduce
- Operating Systems: Unix/Linux, Windows