

JACOB MICHAEL MONTGOMERY

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EMPLOYMENT

- 2017– WASHINGTON UNIVERSITY IN ST. LOUIS
Associate Professor, Department of Political Science
- 2011–2017 WASHINGTON UNIVERSITY IN ST. LOUIS
Assistant Professor, Department of Political Science

EDUCATION

- 2011 DUKE UNIVERSITY
Ph.D., Political Science
- 2009 DUKE UNIVERSITY
M.S., Statistical Sciences
- 2002 WAKE FOREST UNIVERSITY (*Summa Cum Laude*, *Phi Beta Kappa*)
B.A., Mathematical-Economics and Political Science (Honors)

PUBLICATIONS

Refereed Journal Articles in Political Science

25. Tucker, Patrick D., Jacob M. Montgomery, and Steven S. Smith. Forthcoming. “Party Identification in the Age of Obama: Evidence on the Sources of Stability and Systematic Change in Party Identification from a Long-Term Panel Survey.” *Political Research Quarterly*. <https://doi.org/10.1177/1065912918784215>
24. Hollenbach, Florian, Jacob M. Montgomery, and Adriana Crespo-Tenorio. Forthcoming. “Bayesian Versus Maximum Likelihood Estimation of Treatment Effects in Bivariate Probit Instrumental Variable Models.” *Political Science Research and Methods*. <https://doi.org/10.1017/psrm.2018.15>
23. Montgomery, Jacob M., and Santiago Olivella. 2018. “Tree-Based Models for Political Science Data.” *American Journal of Political Science* 62 (3): 729-744. <https://doi.org/10.1111/ajps.12361>
22. Montgomery, Jacob M., Brendan Nyhan, and Michelle Torres. 2018. “How Conditioning on Post-Treatment variables Can Ruin Your Experiment and What to do About It.” *American Journal of Political Science* 62: (3): 760-775. <https://doi.org/10.1111/ajps.12357>

21. Butler, Ryden, Brendan Nyhan, Jacob M. Montgomery, and Michelle Torres. 2018. "Revisiting White Backlash: How Race Affects Death Penalty Opinion Today." *Research and Politics* 5 (1). <https://doi.org/10.1177%2F2053168017751250>
20. Carlson, David and Jacob M. Montgomery. 2017. "A Pairwise Comparison Framework for Fast, Flexible, and Reliable Human Coding of Political Texts." *American Political Science Review* 111 (4): 835-843. <https://doi.org/10.1017/S0003055417000302>
19. Montgomery, Jacob M., and Brendan Nyhan. 2017. "The Effects of Congressional Staff Networks in the U.S. House of Representatives." *Journal of Politics* 79 (3): 745-761. <https://doi.org/10.1086/690301>
18. Hazelton, Morgan, Jacob M. Montgomery, and Brendan Nyhan. 2016. "Does Public Financing Affect Judicial Behavior? Evidence from the North Carolina Supreme Court." *American Politics Research* 44 (4): 587-617. <https://doi.org/10.1177%2F1532673X15599839>
17. Freeze, Melanie and Jacob M. Montgomery. 2016. "Static Stability and Evolving Constraint: Preference Stability and Ideological Structure in the Mass Public." *American Politics Research* 44 (3): 415-447. <https://doi.org/10.1177%2F1532673X15607299>
– Awarded the Hahn-Sigelman prize for the best article published in *American Politics Research* in 2016
16. Montgomery, Jacob M., Santiago Olivella, Joshua D. Potter, and Brian Crisp. 2015. "An Informed Forensics Approach to Detecting Vote Irregularities." *Political Analysis* 23 (4): 488-505. <https://doi.org/10.1093/pan/mpv023>
15. Nyhan, Brendan and Jacob M. Montgomery. 2015. "Connecting the Candidates: Consultant Networks and the Diffusion of Campaign Strategy in American Congressional Elections." *American Journal of Political Science* 49 (2): 292-308. <https://doi.org/10.1111/ajps.12143>
– Awarded the Political Ties Award by the Political Networks Section of APSA
14. Montgomery, Jacob M., Florian M. Hollenbach, and Michael D. Ward. 2014. "Calibrating Ensemble Forecasting Models with Sparse Data in the Social Sciences." *International Journal of Forecasting* 31 (3): 930-942. <https://doi.org/10.1016/j.ijforecast.2014.08.001>
13. Aldrich, John H., Jacob M. Montgomery, and David Sparks. 2014. "Polarization and Ideology: Partisan Sources of Low Dimensionality in Scaled Roll-Call Analyses." *Political Analysis* 22 (4): 435-456. <https://doi.org/10.1093/pan/mpt048>
12. Montgomery, Jacob M. and Josh Cutler. 2013. "Computerized Adaptive Testing for Public Opinion Surveys." *Political Analysis* 21 (2): 141-171. <https://doi.org/10.1093/pan/mps060>
– Included in *Political Analysis* virtual issue "Greatest Hits"

11. Montgomery, Jacob M., Florian Hollenbach, and Michael D. Ward. 2012. "Improving Predictions Using Ensemble Bayesian Model Averaging." *Political Analysis* 20 (3): 271-291. <https://doi.org/10.1093/pan/mps002>
– Included in *Political Analysis* virtual issue "Big Data in Political Science"
10. Aldrich, John H., Jacob M. Montgomery, and Wendy Wood. 2011. "Turnout as a Habit." *Political Behavior* 33 (4): 535-563. <https://doi.org/10.1007/s11109-010-9148-3>
9. Montgomery, Jacob M. and Brendan Nyhan. 2010. "Bayesian Model Averaging: Theoretical Developments and Practical Applications." *Political Analysis* 18 (2): 245-270. <https://doi.org/10.1093/pan/mpq001>
8. Montgomery, Jacob M., Jerry Reiter, Alexandra Cooper, and Shuo Guan. 2008. "Nonresponse Bias on Dimensions of Political Activity Amongst Political Elites." *International Journal of Public Opinion Research* 20 (4): 494-506. <https://doi.org/10.1093/ijpor/edn041>

Refereed Journal Articles in Other Fields

7. Montgomery, Jacob M., Kristie Long Foley, and Mark Wolfson. 2006. "Enforcing the Minimum Drinking Age: State, Local, and Agency Characteristics Associated With Compliance Checks and Cops in Shops Programs." *Addiction* 101 (2): 223-231. <https://doi.org/10.1111/j.1360-0443.2006.01328.x>

Edited publications

6. Moore, Ryan T. and Jacob M. Montgomery. 2014. "Building and Maintaining R Packages with devtools and roxygen2" *The Political Methodologist* 22 (1): 26-31.
5. Gomez, Brad T. and Jacob M. Montgomery. 2013. "Why John Aldrich?" *PS: Political Science and Politics* 46 (4): 857-864. <https://doi.org/10.1017/S1049096513001157>
4. Montgomery, Jacob M., Florian Hollenbach, and Michael D. Ward. 2013. "Aggregation and Ensembles: Principled Combinations of Data." *PS: Political Science and Politics* 46 (1): 43-44. <https://doi.org/10.1017/S1049096512001552>
3. Montgomery, Jacob M., Florian Hollenbach, and Michael D. Ward. 2012. "Ensemble Predictions of the 2012 US Presidential Election." *PS: Political Science and Politics* 45 (4): 651-654. <https://doi.org/10.1017/S1049096512000959>

Software

2. Rossiter, Erin and Jacob M. Montgomery. *catSurv*. R package available on CRAN at: <http://cran.r-project.org/web/packages/catSurv/>
1. Montgomery, Jacob M., Florian Hollenbach, and Michael D. Ward. *EBMAforecast*. R package available on CRAN at: <http://cran.r-project.org/web/packages/EBMAforecast/>

ADDITIONAL PAPERS

Public reports

“Fake news, Facebook ads, and misperceptions: Assessing information quality in the 2018 U.S. midterm election campaign.” With Andrew Guess, Benjamin Lyons, Brendan Nyhan, and Jason Reifler. Report prepared for the Democracy Fund.

Papers invited to revise and resubmit

“So Many Questions, So Little Time: Adaptive Personality Inventories for Survey Research.” With Erin Rossiter. *Journal of Survey Statistics and Methodology*

Under review

“Competitive Context and Participation Location: Does the Closeness of the U.S. Presidential Election Shape Where College Students Register to Vote?” with Min Hee Seo

Working papers / Manuscripts

“Ends Against the Middle: Introducing the Generalized Graded Unfolding Model for Non-monotonic Item Response Functions.” With JB Duck-Mayr.

“Adaptive Inventories: A Practical Guide for Applied Researchers.” With Erin Rossiter.

“Can I Trust My Topic Model? Validating Topics Efficiently Using Online Workforce.” With Luwei Ying

“Bayesian Model Selection, Model Comparison, and Model Averaging” With Florian Hollenbach.

GRANTS

External grants and awards

| | |
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| 2018 | Democracy Fund. (\$8,500) |
| 2016 | National Science Foundation, Methodology, Measurement, and Statistics. <i>Proposal Title:</i> Computerized Adaptive Testing for Public Opinion Research (\$291,644) |
| 2010 | National Science Foundation Dissertation Improvement Grant <i>Proposal Title:</i> The Causes, Consequences, and Measurement of Perceived Political Control. (\$12,000) |

Internal grants

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| 2018 | Faculty Research Grant, Murray Weidenbaum Center on the Economy, Government, and Public Policy at Washington University in St. Louis. (\$5,000) |
| 2017 | Faculty Research Grant, Murray Weidenbaum Center on the Economy, Government, and Public Policy at Washington University in St. Louis. (\$10,000) |
| 2014 | Faculty Research Grant, Murray Weidenbaum Center on the Economy, Government, and Public Policy at Washington University in St. Louis. (\$30,000) |
| 2013 | Faculty Research Grant, Murray Weidenbaum Center on the Economy, Government, and Public Policy at Washington University in St. Louis (\$8,000). |
| 2012 | Faculty Research Grant, Murray Weidenbaum Center on the Economy, Government, and Public Policy at Washington University in St. Louis (\$7,500). |
| 2011 | Faculty Research Grant, Murray Weidenbaum Center on the Economy, Government, and Public Policy at Washington University in St. Louis (\$5,500). |

FELLOWSHIPS AND AWARDS

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|----------------|---|
| 2017 | Hahn-Sigelman prize for the best article published in <i>American Politics Research</i> |
| 2015 | Political Ties Award for best paper, Political Networks Section of APSA |
| 2011–2012 | Fellow, Center in Political Economy, Washington University in St. Louis |
| 2010 | Robert K. Steel Family Graduate Fellowship |
| 2007–2010 | National Science Foundation Graduate Research Fellow |
| 2007, '08, '10 | Society for Political Methodology Conference Grant |
| 2010 | Political Networks Conference Grant |
| 2009 | Robert R. Wilson Graduate Fellow in American Politics |
| 2009 | Public Choice Society Conference Grant |
| 2005 | Jaffrey Endowed Fellowship |
| 2003 | Rotary Ambassadorial Scholar |
| 2002 | Jack D. Fleer Award for Excellence in Honors in Political Science |
| 1998–2002 | Wake Forest University Reynolds Scholar |

PUBLIC TALKS AND CONFERENCE PARTICIPATION

Invited talks, small conferences, and workshops

- February 2019 Invited Talk, “Does the Closeness of the U.S. Presidential Election Shape Where College Students Register to Vote?” Koc University (Istanbul)
- December 2017 Invited talk, “Computerized Adaptive Testing for Public Opinion Research,” Speaker Series, Texas A&M University.
- November 2017 Invited talk, “Computerized Adaptive Testing for Public Opinion Research,” Speaker Series, University of Illinois.
- April 2016 Invited talk, “Computerized Adaptive Testing for Public Opinion Research,” New York Area Methods Meeting, Organized by Jonathan Nagler, New York University.
- March 2016 Invited talk, “Report on Adaptive Personality Inventories Measuring Need for Cognition and Need to Evaluate,” American National Election Study Advisory Board, Stanford University.
- March 2016 Invited talk, “Computerized Adaptive Testing for Public Opinion Research,” Department of Political Science Methods Speaker Series, Organized by Kosuke Imai, Princeton University.
- February 2016 Invited speaker, “Congressional Staff and the Extended Party Network in the U.S. House of Representatives,” Legislative Studies Virtual Workshop, Organized by Nate Monroe and Jason Roberts, APSA Section on Legislative Studies.
- November 2015 Invited talk, “Funneling the Wisdom of Crowds: The **SentimentIt** Platform for Human Computation Tasks,” Text-as-data Speaker Series, Organized by Arthur Spirling, New York University.
- August 2015 Invited talk, “Moving the Unmoved Mover: Individual-Level Sources of Systematic Change in Party Identification,” Department of Political Science, Duke University.
- May 2015 Invited speaker, “Congressional Staff and the Extended Party Network in the U.S. House of Representatives,” Conference Celebrating the Center for Political Institutions and Public Choice, Organized by David Rohde, Duke University.
- May 2015 Invited talk, “Computerized Adaptive Testing for Public Opinion Research,” Math & Social Sciences (MSS) Program Speaker Series, Organized by Michael Herron, Dartmouth College.
- May 2015 Invited discussant, “Conference on Ideal Point Models,” Organized by Chris Warshaw, Devin Caughey, Bret Hanlon, Stephen Jessee, Alex Tahk, and Teppei Yamamoto, Massachusetts Institute of Technology.
- January 2015 Invited talk, “Computerized Adaptive Testing for Public Opinion Research,” Department of Political Science, University of Chicago, January 2015.

- June 2013 Conference participant, “Does Public Financing Affect Judicial Behavior? Evidence from the North Carolina Supreme Court”, Political Economy and Public Law Conference (PEPL), Organized by Andrew Martin and John Patty, Center for New Institutional Social Science and the Center for Empirical Research in the Law at Washington University Law School.
- April 2012 Invited presenter, “Computerized Adaptive Testing for Public Opinion Research,” St. Louis Area Methods Meeting (SLAMM), Organized by Jeff Gill, Washington University in St. Louis.
- October 2011 Invited presenter, “Connecting the Candidates: Consultant Networks and the Diffusion of Campaign Strategy in American Congressional Elections,” American Politics Conference, Organized by Adam Berinsky, Department of Political Science, Massachusetts Institute of Technology.

Major Conference Presentations

- Asian Methods Meeting (2015, 2017)
- Annual Meeting of the American Political Science Association (2010–2012, 2014–2018)
- Annual Meeting of the Midwest Political Science Association (2007–2016)
- Paper, Annual Summer Meeting of Society for Political Methodology (2012–2013, 2016)
- Poster, Annual Summer Meeting of Society for Political Methodology (2007–2009, 2015, 2018)
- Annual Meeting of the American Association for Public Opinion Research (2013)
- Political Networks Conference (2010, 2016)
- Annual Meeting of the Public Choice Society (2009)
- Annual Meeting of the Southern Political Science Association (2006)

Conference Discussant

- New Directions in Text as Data (2016–2018)
- Annual Summer Meeting of Society for Political Methodology (2015, 2017, 2018)
- Annual Meeting of the American Political Science Association (2014, 2015–2018)
- Annual Meeting of the Midwest Political Science Association (2012–2016)

PROFESSIONAL ACTIVITIES

External Service

Chair, Society for Political Methodology Mentoring Award Committee (2018)

Chair, Hahn-Sigelman prize committee (2018)

Section Head, Political Networks, American Political Science Association Annual Meeting (2017)

Co-organizer, 9th Annual Political Networks Workshops & Conference (2015–2016)

Member, Political Ties Award for Best Published Article Committee, APSA Political Networks Section (2015–2016)

Co-editor, Website of the Society for Political Methodology (2014–2016)

Section Head, Political Methodology, American Political Science Association Annual Meeting (2015)

Washington University Service

Director, Departmental Speaker Series (2016–Present)

Member, Division of Computational Data Sciences Steering Committee (2018)

Co-organizer, Building Data Science Conference (Spring 2018)

Chair, Search Committee (Fall 2017)

Member, *Ad Hoc* Committee on creation of Division of Computing and Data Science (2017)

Member, *Ad Hoc* Committee on the Political Science Graduate Program Curriculum (Spring 2016)

Organizer, Conference on Political Data Science, Washington University in St. Louis (2016)

Member, Board of Directors, Campus YMCA (Spring 2014–present)

Member, University Committee on Course Evaluations (Fall 2013– Fall 2016)

Organizer, Python Summer Short Course (Summer 2014–present)

Member, Methods Field Committee (Fall 2012–present)

Member, Search Committee (Fall 2012, Fall 2018)

Departmental Library Liaison (Fall 2011–2016)

Dissertation Committees (chair)

David Carlson, Erin Rossiter, Ryden Butler, Bryant Moy

Dissertation Committees (member)

Tsung-Han Tsai, Viktoryia Schnose, Adrián Lucardi, Taeyong Park, Emily Moore, Michelle Torres, Constanza F. Schibber, Jae Hee Jung, Min Hee Seo, Patrick Rickert, Patrick Silva, Luwei Ying

Third Year Committees

Erin Rossiter (Chair), Ryden Butler (Chair), Michelle Torres (Member), David Carlson (Member)

Senior Theses

Jaime Zucker, Eli Scher-Zagier (Antoinette Dames Senior Thesis Award)

Referee

American Political Science Review, American Journal of Political Science, Journal of Politics, Political Analysis, Proceedings of Association for the Advancement of Artificial Intelligence (AAAI), Public Opinion Quarterly, Journal of the Royal Statistical Society, Transactions on Computer-Human Interaction, Political Behavior, American Political Research, Electoral Studies, Journal of Conflict Resolution, Political Research Quarterly, Political Science Research and Methods, State Politics & Policy Quarterly, International Journal of Forecasting, Party Politics, Public Choice, Politics and Policy Review, The American Statistician, Journal of Elections Public Opinion and Parties, German Politics

TEACHING EXPERIENCE

Washington University in St. Louis

- 2017-2018 Math For Political Science (“Math Camp”)
- 2017-2018 Quantitative Political Methods II (PS 582)
- 2011-2013, 2016, 2017 Quantitative Political Methodology (PS 363)
- 2013, 2016 Measurement and Latent Trait Models (PS 539)
- 2014, 2016–2018 Applied Statistical Programming (PS 4625)
- 2011, 2013 American Political Parties (PS 5225, PS 4505)
- 2012 Experimental Politics (PS 4025)

Duke University

Summer 2010 Math for Political Science (“Math Camp”) – Designer/Graduate Instructor

Summer 2006 Statistics and Quantitative Literacy – Graduate Teaching Assistant