

Andrew Q. Philips

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ACADEMIC APPOINTMENTS

University of Colorado Boulder

Professor, Department of Political Science. 2025-
Associate Professor, Department of Political Science. 2022-2025
Assistant Professor, Department of Political Science. 2017-2022

OTHER APPOINTMENTS

University of Colorado Boulder

Henry W. Ehrmann Endowed Professorship in Law and Jurisprudence. 2024-
Fellow, Institute of Behavioral Science. 2021-
Director of Graduate Studies, Department of Political Science. Fall 2024 (interim)
Associate Chair, Department of Political Science. Fall 2024 (interim)

EDUCATION

Ph.D., Political Science, Texas A&M University. 2017.

Concentrations: Comparative Politics and Political Methodology.

Dissertation: "Manipulating the Masses: New Theories of Political Cycles."

BA, Political Science, University of Vermont. 2011.

BOOKS

Lipsmeyer, Christine S, Andrew Q. Philips and Guy D. Whitten. 2023. *The Politics of Budgets: Getting a Piece of the Pie*. Cambridge University Press.

PUBLICATIONS¹

[33] Benton, Allyson L., Soren Jordan and Andrew Q. Philips. 2026. "Taking variance seriously: Visualizing the statistical and substantive significance of ARCH/GARCH models." *The Journal of Politics*: 88(1): 18-35.

[32] Jackson*, Christopher and Andrew Q. Philips. 2025. "Using AI to DIY? Incorporating AI-generated learning tools in the classroom." *Journal of Political Science Education*: 1-19.

[31] Kaur, Komal Preet and Andrew Q. Philips. 2025. "Sustainable representation through electoral quotas: Evidence from India." *Politics, Groups and Identities* 13(4): 904-924.

¹* indicates graduate student at time of publication

- [30] Eastman*, Abbie, Andrea Junqueira, Ali Kagalwala, Andrew Q. Philips and Guy D. Whitten. 2024. "Volatile pies: Modeling compositional volatility." *Social Science Quarterly* 105(4): 965-979.
- [29] Lipsmeyer, Christine S., Andrew Q. Philips, Amanda Rutherford and Guy D. Whitten. 2024. "Bad times keep us together: Policy priorities and economic shocks." *Social Science Quarterly* 105(4): 934-947.
- [28] Jokinsky, Steven, Christine S. Lipsmeyer, Andrew Q. Philips, Laron Williams and Guy D. Whitten. 2024. "Look over there. Where? A compositional approach to the modeling of public opinion on the Most Important Problem." *Social Science Quarterly* 105(4): 913-933.
- [27] Compton, Mallory E. and Andrew Q. Philips. 2024. "Does job insecurity shape policy preferences? An experimental manipulation of labor market risk." *The Journal of Politics* 86(2): 1-6.
- [26] Hopkins, Vincent, Ali Kagalwala, Mark Pickup, Andrew Q. Philips and Guy D. Whitten. 2024. "How do we know what we know? Learning from Monte Carlo simulations." *The Journal of Politics* 86(1): 36-53.
- [25] Jackson*, Christopher and Andrew Q. Philips. 2024. "Synthesize this: Meta-analysis as a dissertation tool." *PS: Political Science & Politics* 57(1): 70-75.
- [24] Kaur*, Komal Preet and Andrew Q. Philips. 2023. "A moveable benefit? Spillover effects of quotas on women's numerical representation." *Political Research Quarterly* 76(2): 680-696.
- 2022 Roburt H. Durr Award: Best paper applying quantitative methods to a substantive problem at the Midwest Political Science Association Annual Meeting
 - 2022 Richard E. Matland Award: Best paper by an emerging scholar in representation, elections or voting at the Midwest Political Science Association Annual Meeting
 - 2022 Sophonisba Breckinridge Award: Best paper on the topic of women and politics at the Midwest Political Science Association Annual Meeting
- [23] Jordan, Soren, Hannah L. Paul and Andrew Q. Philips. 2023. "How to cautiously uncover the 'black box' of machine learning models for legislative scholars." *Legislative Studies Quarterly* 48(1): 165-202.
- [22] Jordan, Soren and Andrew Q. Philips. 2023. "Improving the interpretation of random effects regression results." *Political Studies Review* 21(1): 210-220.
- [21] Paul*, Hannah L. and Andrew Q. Philips. 2022. "What goes up must come down: Theory and model specification of threshold dynamics." *Social Science Quarterly* 103(5): 1273-1289.
- [20] Brown, David S., Katherine V. Bryant and Andrew Q. Philips. 2022. "Integrating the use of statistical software into undergraduate political methodology courses." *PS: Political Science & Politics* 55(1): 210-215.
- [19] Funk, Kendall D., Hannah L. Paul* and Andrew Q. Philips. 2022. "Point break: Using machine learning to uncover a critical mass in women's representation." *Political Science Research and Methods* 10(2): 372-390.
- [18] Philips, Andrew Q. 2022. "How to avoid incorrect inferences (while gaining correct ones) in dynamic models." *Political Science Research and Methods* 10(4): 879-889.
- [17] Kagalwala*, Ali, Andrew Q. Philips and Guy D. Whitten. 2021. "What about the rest of the pie? A dynamic compositional approach to modeling inequality." *Social Science Quarterly* 10(4): 879-889.
- [16] Philips, Andrew Q. 2020. "An easy way to create duration variables in binary cross-sectional time series data." *The Stata Journal* 20(4): 916-930.

- [15] Jordan, Soren and Andrew Q. Philips. 2020. "Exploring meaningful visual effects and quantities of interest from dynamic models through *dynamac*." *Journal of Open Source Software* 5(54): 2528.
- [14] Jung*, Yoo Sun, Flávio D.S. Souza*, Andrew Q. Philips, Amanda Rutherford and Guy D. Whitten. 2020. "A program to estimate and interpret models of dynamic compositional dependent variables: New features for *dynsimpie*." *The Stata Journal* 20(3): 584-603.
- [13] Philips, Andrew Q. 2020. "Just in time: Political policy cycles of land reform." *Politics* 40(2): 207-226.
- [12] Benton, Allyson L. and Andrew Q. Philips. 2020. "Does the @realDonaldTrump really matter to financial markets?" *American Journal of Political Science* 64(1): 169-190.
- [11] Philips, Andrew Q., Flávio D.S. Souza* and Guy D. Whitten. 2020. "Globalization and comparative compositional inequality." *Political Science Research and Methods* 8(3): 509-525.
- [10] Funk, Kendall D. and Andrew Q. Philips. 2019. "Gendered budgeting: Women chief executives and budget allocations in local governments." *Political Research Quarterly* 72(1): 19-33.
 -2019 *Political Research Quarterly* Best Article Award
 -2015 Marian Irish Award: Best Women and Politics paper at the Southern Political Science Association Annual Meeting
- [9] Lipsmeyer, Christine S., Andrew Q. Philips, Amanda Rutherford, and Guy D. Whitten. 2019. "Comparing dynamic pies: A strategy for modeling compositional variables in time and space." *Political Science Research and Methods* 7(3): 523-540.
- [8] Jordan, Soren and Andrew Q. Philips. 2018. "Dynamic simulation and testing for single-equation cointegrating and stationary autoregressive distributed lag models." *The R Journal* 10(2): 469-788.
- [7] Jordan, Soren and Andrew Q. Philips. 2018. "Cointegration testing and dynamic simulations of autoregressive distributed lag models." *The Stata Journal* 18(4): 902-923.
- [6] Philips, Andrew Q. 2018. "Have your cake and eat it too? Cointegration and dynamic inference from autoregressive distributed lag models." *American Journal of Political Science* 62(1): 230-244.
- [5] Lipsmeyer, Christine S., Andrew Q. Philips, and Guy D. Whitten. 2017. "The effects of immigration and integration on European budgetary tradeoffs." *Journal of European Public Policy* 24(6): 912-930.
- [4] Philips, Andrew Q. 2016. "Seeing the forest through the trees: A meta-analysis of political budget cycles." *Public Choice* 168(3): 313-341.
- [3] Philips, Andrew Q., Amanda Rutherford*, and Guy D. Whitten. 2016. "*dynsimpie*: A command to examine dynamic compositional dependent variables." *The Stata Journal* 16(3): 662-677.
- [2] Philips, Andrew Q., Amanda Rutherford*, and Guy D. Whitten. 2016. "Dynamic pie: A strategy for modeling trade-offs in compositional variables over time." *American Journal of Political Science* 60(1): 268-283.
- [1] Philips, Andrew Q., Amanda Rutherford*, and Guy D. Whitten. 2015. "The dynamic battle for pieces of pie: Modeling party support in multi-party nations." *Electoral Studies* 39:264-274.

SOFTWARE

Jordan, Soren and Andrew Q. Philips. "*dynamac*: Dynamic simulation and testing for single-equation autoregressive distributed lag models models (in R and Stata)"

Jordan, Soren and Andrew Q. Philips. “[qdmean](#): A program to automatically quasi-demean regressors following a FGLS-RE or MLE-RE regression. Available in both R and Stata.”

Philips, Andrew Q. “[mkduration](#): An easy way to create duration variables in binary cross-sectional time series data.”

Philips, Andrew Q., Amanda Rutherford, and Guy D. Whitten. “[dynsimpie](#): Stata module to examine dynamic compositional dependent variables.”

WORKS IN PROGRESS

Pooled Data Analysis for the Social Sciences. Book under contract (in progress) at Cambridge University Press.

“Dynamic heterogeneity in International Relations research.” With Christopher Jackson.

“Democratic backsliding and unpacking the meaning of democracy.” With Donald Caviness and Komal Preet Kaur.

“Mind the gap! National emergencies, policy dissonance and financial markets.” With Allyson L. Benton and Alex Bradley Newhouse.

“Partisan polarization shapes visual framing of COVID-19 in US media.” With Alex Bradley Newhouse and Komal Preet Kaur.

“Correcting Errors: A more comprehensive assessment of recent cointegration tests.” With Soren Jordan.

“Preferences on the design of unemployment insurance in the US.” With Mallory E. Compton, Annabelle Hutchinson and Komal Preet Kaur.

“Endogenous pie: Vector autoregressive modeling of compositional outcomes.” With Abbie L. Eastman, Andrea Junqueira, Ali Kagalwala and Guy D. Whitten.

“Dynamic inferences from models of autoregressive conditional heteroskedasticity.” With Allyson L. Benton and Soren Jordan.

INVITED TALKS AND MEDIA APPEARANCES

“[When economies falter, governors respond similarly, regardless of party](#)” Interview for University of Colorado Boulder’s *Colorado Arts and Sciences Magazine* (and *CU Boulder Today*). 2024.

“The politics of budgets: Getting a piece of the pie” with Christine S. Lipsmeyer and Guy D. Whitten. Presented at the Scowcroft Institute of International Affairs, Texas A&M University. 2023.

Interviewed by student newspaper *The Royal Banner* on the US midterm elections, Fairview High School, Boulder, CO. 2022.

“Integrating the use of statistical software into undergraduate political methodology courses” with David S. Brown and Katherine V. Bryant. Presented at the Roundtable on Teaching Methods, International Methods Colloquium. 2021.

“Do elites really affect financial markets?” Presented at the Data Analytics Colloquium, National Chung Hsing University, Taiwan, and the University of Texas at Dallas. 2020.

“Mind the gap! Policy dissonance and financial markets” with Allyson L. Benton. Presented at the Lock-down Lecture Series, Department of International Politics, City, University of London. 2020.

“How to cautiously uncover the ‘black-box’ of machine learning models” with Soren Jordan and Hannah L. Paul. Presented at the International Methods Colloquium/MPSA Summer 2020 series. 2020.

“Does the @realDonaldTrump really matter to financial markets?” with Allyson L. Benton. Presented at the División de Estudios Políticos, Centro de Investigación y Docencia Económicas, A.C. (CIDE), Mexico City, Mexico. 2018.

“EITM in practice: On the determinants of individual preferences for social insurance” with Mallory E. Compton. Presented at the EITM Summer Institute, University of Houston. 2015.

GRANTS, FUNDING AND AWARDS

Division of Social Sciences Catalyst Funding Grant, University of Colorado Boulder, for “Democratic backsliding and unpacking the meaning of democracy.” With Komal Preet Kaur and Donald Caviness. 2025. \$15,000.

Political Science Faculty Research Grant, Department of Political Science, University of Colorado Boulder for “Labor market risk and preferences for social insurance: A conjoint survey experiment.” With Komal Preet Kaur and Mallory E. Compton. 2023. \$6,800.

Center to Advance Research and Teaching in the Social Sciences, University of Colorado Boulder for “How do gender quotas shape voter attitudes towards women politicians?” With Komal Preet Kaur. 2020. \$4,000.

Faculty Mentor of the Year, Department of Political Science, University of Colorado Boulder. 2020.

Summertime for Advancement in Research Award, Texas A&M Office of Graduate and Professional Development and the Department of Political Science. 2016. \$6,000.

EITM UK Continuous Monitoring Survey Experiment Contest Winner for, “Risky business: A survey experiment in risk-based discounting.” With Mallory E. Compton. 2014.

National Science Foundation Graduate Student Funding to attend the 31st Annual Meeting of the Society for Political Methodology, University of Georgia, July 24-26, 2014. \$500.

EITM Participant Scholarship, Hobby Center for Public Policy, University of Houston. 2014. \$2,000

Professional Development Award, Texas A&M College of Liberal Arts. 2014. \$4,650.

Professional Development Award, Texas A&M College of Liberal Arts. 2013. \$4,050.

Summer Enhancement Funding, Texas A&M Department of Political Science. 2013. \$1,350.

TEACHING

University of Colorado Boulder (Undergraduate):

- Applied Political Science Research
- Quantitative Research Methods
- Designing Social Inquiry

University of Colorado Boulder (Graduate):

-Modeling Temporal and Spatial Processes in the Social Sciences. With Srinivas Parinandi (short course)

-Time Series and Pooled Time Series

-Advanced Political Data Analysis

-Maximum Likelihood and Generalized Linear Models

Other:

-Time Series, Panel and Longitudinal Data Analysis. ICPSR Summer Program in Quantitative Methods of Social Research, University of Michigan

-Panel Data and Longitudinal Analysis. ICPSR Summer Program in Quantitative Methods of Social Research, University of Michigan

-Longitudinal Data Analysis. ESS@SFU Summer School in Social Science Research Methods, Simon Fraser University, Vancouver, Canada

-Advanced Topics in Dynamic Panel Models. ICPSR Summer Program in Quantitative Methods of Social Research, Simon Fraser University, Vancouver, Canada. Co-taught with Mark Pickup

-Summer Workshop in Political Methodology: Cross-Sectional Time Series (Graduate). University of Colorado Boulder

-Advanced Time Series Cross-Section Analyses, IPSA-USP Summer School in Concepts and Methods (Graduate). University of São Paulo, Brazil. Co-taught with Lorena Barberia

-Introduction to Statistical Programming Software (Graduate). University of Colorado Boulder

-Summer Workshop in Political Methodology: Machine Learning (Graduate). University of Colorado Boulder

-Modeling Dynamics and Advanced Modeling Dynamics, IPSA-USP Summer School in Concepts and Methods (Graduate). University of São Paulo, Brazil. Co-taught with Lorena Barberia

-Globalization and Democracy (Undergraduate). Texas A&M University

-Introduction to Statistical and Programming Software (Graduate). Texas A&M University

TECHNICAL SKILLS

Stata, R, Python, T_EX, GitHub, HTML, Knitr.

CONFERENCE PRESENTATIONS

American Political Science Association Annual Meeting: 2013, 2014, 2016, 2018

European Political Science Association Annual Meeting: 2016, 2019, 2021

Midwest Political Science Association Annual Meeting: 2014, 2015, 2016, 2017, 2018, 2019, 2021, 2022, 2023, 2024, 2025

Society for Political Methodology Annual Meeting: 2014, 2018, 2023

European PolMeth: 2021

Latin American PolMeth: 2020, 2023, 2025

Texas Methods Annual Meeting: 2017

SERVICE AND PROFESSIONAL MEMBERSHIP

Dissertation committee chair/co-chair: Komal Kaur (2024), Alex Newhouse (current), Poushali Mohanta (current), Donald Caviness (current), Rômulo Hannig Goncalves da Silva (current).

Dissertation committee member: Andrew F. Hart (2017), Hannah L. Paul (2022), Brett Bessen (2022), Kimberlee Chang (2022), Ganesh Gorti (2024), Sara Hoose (2024), Hyodong Sohn (2025), Christopher Jackson (current), Isha Banerjee (current), Jon Cohen (current).

External dissertation committee member: Sebastian Bahr (Institute of Sociology, Faculty of Business, Economics and Social Sciences, University of Bern, Switzerland, 2024), Tafadzwa Tivaringe (Department of Education, University of Colorado Boulder, 2021), Natalia Moreira (Department of Political Science, University of São Paulo, Brazil, 2021).

Second-year qualifying paper/Master's thesis committee chair/co-chair: Alex Newhouse (2025), Poushali Mohanta (2025).

Second-year qualifying paper/Master's thesis committee member: Ansgarius Manek (2025), Zeynep Oguz (2025), Tania Massicotte (2025), Jon Cohen (2024), Isha Banerjee (2024), Katie Sevin (2024), Gustavo Perez (2023), Christopher Jackson (2023), Sara Hoose (2022), Mateusz Leszczynski (2022), Komal Kaur (2021), Ganesh Gorti (2021), Luiz Cantarelli (University of São Paulo, 2021), Maria Leticia C. F. Oliveira (University of São Paulo, 2021), Max Chernoff (2020), Samuel Foredyce (2019).

Undergraduate Honors Thesis chair: Deven Kukreja (current), Adelina Aponte-Figueroa (current), Brendan Church (2025).

Reviewer, *American Political Science Review*, *American Journal of Political Science*, *Journal of Politics*, *Political Analysis*, *British Journal of Political Science*, *American Journal of Epidemiology*, *Comparative Political Studies*, *International Studies Quarterly*, *Public Choice*, *Political Science Research and Methods*, *The Stata Journal*, *The R Journal*, *Social Science Quarterly*, *Electoral Studies*, *Public Opinion Quarterly*, *European Journal of Political Economy*, *Perspectives on Politics*, *Political Behavior*, *Journal of Public Policy*, *Political Studies Review*, *International Political Science Review*, *Economics & Politics*, *Public Finance Review*, *Research & Politics*, *Journal of Development Studies*, *Party Politics*, *Journal of Women, Politics & Policy*, *Administration & Society*, *Public Budgeting & Finance*, *International Interactions*, *Politics & Gender*, *Politics and Governance*, *International Journal of Data Science and Analytics*, *Swiss Political Science Review*, *International Journal of Social Economics*, *Frontiers in Political Science*, *Journal of Economic Surveys*, *Brazilian Political Science Review*, *International Review of Administrative Sciences*, *Bulletin of Economic Research*, *World Development*, *De Gruyter*, *Palgrave Macmillan*.

Editorial Board Member, *The Journal of Politics* (2024-), *Political Science Research and Methods* (2023-).

Review Editor (elections and representation section), *Frontiers in Political Science*, 2021-2023.

Awards Committee Chair, Midwest Political Science Association 2022, Best Paper by an Emerging Scholar.

Discussant/Chair, Midwest Political Science Association (2018, 2019, 2022, 2024, 2025), European Political Science Association (2019), Latin American PolMeth (2023, 2025).

Current or Former Member, American Political Science Association, Midwest Political Science Association, European Political Science Association, Society for Political Methodology.

University of Colorado Boulder:

- Arts and Sciences Faculty Senate, 2024-.
- Arts and Sciences Faculty Senate Budget Subcommittee, 2024-.
- Division of Social Sciences Catalyst Funding Grant Reviewer. 2025.
- Arts and Sciences Faculty Senate Ad Hoc Strategic Vision Subcommittee, 2024.
- Graduate Committee, 2024.
- Policy Committee, 2024.
- Graduate Placement Director, 2024-2025.
- Budget Committee, 2019-2020, 2021-2023, 2025-.
- Justice, Diversity, Equity and Inclusion Committee, 2020-2021.
- Undergraduate Committee, 2018-2020.
- Faculty Liaison, Undergraduate Political Science Club, 2017-2020.
- Visiting Assistant Professor or Instructor Search Committee, 2019 (2), 2023.
- Instructor Search Committee Chair, 2023.