

# Andrew Q. Philips

---

Department of Political Science  
University of Colorado Boulder  
UCB 333, Boulder, CO 80309-0333

✉ [andrew.philips@colorado.edu](mailto:andrew.philips@colorado.edu)  
💻 [www.andyphilips.com](http://www.andyphilips.com)  
🐙 [github.com/andyphilips](https://github.com/andyphilips)  
🐦 [@andyphilips\\_](https://twitter.com/andyphilips_)

## ACADEMIC APPOINTMENTS

Assistant Professor, Department of Political Science, University of Colorado Boulder. 2017-present.

## 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.

## PUBLICATIONS

- [20] Brown, David S., Katherine V. Bryant and Andrew Q. Philips. "Integrating the use of statistical software into undergraduate political methodology courses." Forthcoming at *PS: Political Science & Politics*.
- [19] Funk, Kendall D., Hannah L. Paul and Andrew Q. Philips. "Point break: Using machine learning to uncover a critical mass in women's representation." Forthcoming at *Political Science Research and Methods*.
- [18] Philips, Andrew Q. 2021. "How to avoid incorrect inferences (while gaining correct ones) in dynamic models." *Political Science Research and Methods*: 1-11.
- [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*: 1-19.
- [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)"

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

*The Politics of Budgets: Getting a Piece of the Pie.* With Christine S. Lipsmeyer and Guy D. Whitten. Book under contract with Cambridge University Press.

*Pooled Data Analysis for the Social Sciences.* Book under contract with Cambridge University Press.

"Learning from simulations: How do we know what we know?" With Vincent Hopkins, Ali Kaglwala, Mark Pickup and Guy D. Whitten. Revise and resubmit.

“How to cautiously uncover the ‘black box’ of machine learning models for legislative scholars.” With Soren Jordan and Hannah L. Paul. Under review.

“Strongholds or islands? Spatio-temporal opportunism and intergovernmental transfers.” With Brett Bessen. Under review.

“Improving the interpretation of random effects regression results.” With Soren Jordan.

“Does economic insecurity shape policy preferences? An experimental manipulation of labor market risk.” With Mallory E. Compton.

“A moveable benefit? Spillover effects of quotas on women’s numerical representation.” With Komal Kaur.

“Picture this: Visualizing the statistical and substantive significance of ARCH/GARCH models.” With Allyson L. Benton and Soren Jordan.

“Mind the gap! Policy dissonance and financial markets.” With Allyson L. Benton.

### **INVITED TALKS AND MEDIA APPEARANCES**

“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**

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 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 EXPERIENCE**

University of Colorado Boulder (Undergraduate):

- [Applied Political Science Research](#). Spring 2019 and Summer 2020.

- [Quantitative Research Methods](#). Fall 2018, Spring 2020 and 2021.

- [Designing Social Inquiry](#). Fall 2017.

University of Colorado Boulder (Graduate):

- Modeling Temporal and Spatial Processes in the Social Sciences. With Srinivas Parinandi. Spring 2019 (short course).

- [Time Series and Pooled Time Series](#). Spring 2018.

- [Advanced Political Data Analysis](#). Spring 2018, 2019, 2020, 2021.

- [Maximum Likelihood and Generalized Linear Models](#). Fall 2017, 2018, 2020.

Other:

- [Panel Data and Longitudinal Analysis](#). ICPSR Summer Program in Quantitative Methods of Social Research, University of Michigan. Summer 2020 and 2021.

- [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 2019.

- [Summer Workshop in Political Methodology: Cross-Sectional Time Series](#) (Graduate). University of Colorado Boulder. 2019.

- 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. Spring 2019 and 2020.

- [Introduction to Statistical Programming Software](#) (Graduate). University of Colorado Boulder. 2018, 2019, 2020, 2021.

- [Summer Workshop in Political Methodology: Machine Learning](#) (Graduate). University of Colorado Boulder. 2018 and 2021.

- 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. 2017 and 2018.

- [Globalization and Democracy](#) (Undergraduate). Texas A&M University. Fall 2016.

- [Introduction to Statistical and Programming Software](#) (Graduate). Texas A&M University. 2015 and 2016.

## TECHNICAL SKILLS

Stata, R, T<sub>E</sub>X, 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

Society for Political Methodology Annual Meeting: 2014, 2018

European PolMeth: 2021

Latin American PolMeth: 2020

Texas Methods Annual Meeting: 2017

## SERVICE AND PROFESSIONAL MEMBERSHIP

Reviewer, *American Political Science Review*, *American Journal of Political Science*, *Journal of Politics*, *Political Analysis*, *British Journal of Political Science*, *Comparative Political Studies*, *Public Choice*, *Political Science Research and Methods*, *The Stata Journal*, *Social Science Quarterly*, *Electoral Studies*, *Public Opinion Quarterly*, *European Journal of Political Economy*, *Political Behavior*, *Journal of Public Policy*, *Political Studies Review*, *International Political Science Review*, *Economics & Politics*, *Public Finance Review*, *Journal of Development Studies*, *Party Politics*, *Journal of Women, Politics & Policy*, *Administration & Society*, *International Interactions*, *Politics and Governance*, *Journal of Economic Surveys*, *Brazilian Political Science Review*, *Bulletin of Economic Research*, *World Development*.

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

Discussant/Chair, Midwest Political Science Association (2018, 2019), European Political Science Association (2019).

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

Member, University of Colorado Boulder Diversity and Inclusion Committee, 2020-present.

Member, University of Colorado Boulder Budget Committee, 2019-2020.

Member, University of Colorado Boulder Undergraduate Committee, 2018-2020.

Faculty Liaison, University of Colorado Boulder Undergraduate Political Science Club, 2017-2020.