Sam Fuller

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Research Interests and Expertise

Quantitative: Dimensional scaling & machine learning, general quantitative research methods (design and implementation), survey and experimental designs, causal inference

Substantive: American political behavior, public opinion, and political-psychology, American & Western European affective and ideological polarization

Education

University of California, Davis
Davis, California

PhD in Political Science
2017–

- With focus on Political Methodology, American Politics, and Comparative Politics
- **Committee**: *Christopher Hare, James Adams, Lauren Young, Alexa Bankert*
- **Dissertation**: Opening the Black Box: Applications and Advances in Machine Learning for the Social Sciences.

Berry College
Rome, Georgia

B.S. in Political Science & Economics
2013–2017

- With focus on comparative politics and econometrics

Peer-Reviewed Publications

[5] **Fuller, Sam**, Will Horne[‡], James Adams, & Noam Gidron (2022) **Populism and the Affective Partisan Space in Nine European Publics: Evidence from a Cross-National Survey**. *Frontiers in Political Science.* 1–12. *https://doi.org/10.3389/fpos.2022.984238*.

[4] **Fuller, Sam**, Sara Kazemian[‡], Carlos Algara[‡], Daniel J. Simmons[‡] (2022) **Assessing the Effectiveness of COVID-19 Vaccine Lotteries: A Cross-State Synthetic Control Methods Approach**. *PLoS One.* 1–12. *https://doi.org/10.1371/journal.pone.0274374*.
  ⋆ *Research reprinted in U.S. National Library of Medicine Center for Biotechnology Information PubMed Archive* .

[3] Kazemian, Sara[‡], **Sam Fuller**, & Carlos Algara[‡] (2021) **The Role of Race and Scientific Trust on Support for COVID-19 Social Distancing Measures in the United States**. *PLoS One.* 1–23. *https://doi.org/10.1371/journal.pone.0254127*.
  ⋆ *Research reprinted in U.S. National Library of Medicine Center for Biotechnology Information PubMed Archive* .

[2] Algara, Carlos[‡], **Sam Fuller**, Christopher D. Hare, & Sara Kazemian[‡] (2020) **The Interactive Effects of Scientific Knowledge & Gender on COVID-19 Social Distancing Compliance**. *Social Science Quarterly.* 1–10. *https://doi.org/10.1111/ssqu.12894*.

[1] Algara, Carlos[‡], **Sam Fuller**, & Christopher D. Hare (2020) **The Conditional Effects of Scientific Knowledge & Gender on Support for COVID-19 Government Containment Policies in a Partisan America**. *Politics & Gender.* 1–10. *doi:10.1017/S1743923X20000458*.
  ⋆ *Research accepted for Politics & Gender as part of the Cambridge Coronavirus Collection*
  ⋆ *Research featured in Invited 3Streams Blog Post: 'Does gender explain support for COVID-19 policies?' (August 26, 2020)*
  ⋆ *Research reprinted as part of the Public Health Emergency COVID-19 Initiative, U.S. National Library of Medicine: National Institutes of Health*.

[‡]**Denotes graduate student and junior faculty colleague co-author.**

Research in Preparation

Research Under Review

[1] **Fuller, Sam** & Tzu-Ping Liu[‡] (Manuscript Proposal Presented at 2021 APSA Annual Meeting) "Extending Contrastive Learning to Public Opinion Data: Contrastive Scaling as an Alternative to Bridging". *May 2023–Submitted to Political Science Research and Methods*.

[2] Jack T. Rametta[‡] & **Fuller, Sam** (Manuscript Proposal Presented at 2023 MPSA Annual Meeting) **The balance permutation test: A machine learning replacement for balance tables.** *January 2024–Submitted to PNAS*.

[3] **Fuller, Sam**, Nicolás de la Cerda,[‡] & Jack T. Rametta[‡] (Manuscript Proposal Presented at 2023 WPSA Annual Meeting) **Affect, Not Ideology: The Psychological Mechanisms of Partisan Information Processing.** *December 2023–Submitted to Political Behavior*.

Working Papers

[1] **Sam Fuller** & Jack T. Rametta[‡] & (Manuscript Proposal Presented at 2023 MPSA Annual Meeting) "Old Dog, New Tricks: A Principled Approach to Machine Learning for Experiments". *Working Paper*.

[2] Algara, Carlos[‡] & **Sam Fuller** (Manuscript Proposal Presented at 2022 MPSA Annual Meeting) "Rational Voting in the Age of Ideological Polarization & Responsible Parties: Examining Presidential Elections from 1972–2020". *Working Paper*.

[3] **Fuller, Sam** (Dissertation Chapter) "See It in 3D: The Underlying Dimensions of Affective Polarization". *Working Paper*.

[4] Liu, Tzu-Ping[‡] **Sam Fuller**, & Gento Kato[‡] (Manuscript Proposal Presented at 2020 PolMeth Annual Meeting) "A Linear Algebraic Approach of Bridging Ideological Spaces". *Working Paper*.

Grants & Awards

2023	**Conference Travel Grant ($400),** Elections, Public Opinion, and Voting Behavior (EPOVB) Conference
2023	**Conference Travel Grant ($500),** UC Davis Graduate Student Association
2022	**Department Research Award ($1,500),** UC Davis Department of Political Science
2021	**Conference Travel Grant ($1,000),** UC Davis Graduate Student Association
2021	**Faculty-Student Summer Collaborative Research Fellowship ($5,000),** UC Davis Department of Political Science (Collaboration with James Adams)
2021	**Department Travel Grant to the Annual Meeting of the American Political Science Association ($500),** UC Davis Department of Political Science
2019	**Department Travel Grant to the Annual Meeting of the Midwest Political Science Association ($500),** UC Davis Department of Political Science
2018	**Department Travel Grant to UCLA's COMPASS Graduate Student Conference ($500),** UC Davis Department of Political Science
2017	**Fall Graduate Student Fellowship ($6,000),** UC Davis Department of Political Science

Research Assistantships

Cooperative Congressional Election Study: University of Georgia Module

Co-Investigator   *2022–2023*

• Survey research collaboration with Dr. Alexa Bankert (Assistant Professor of Political Science, University of Georgia)

Study of Affective Polarization in 10 European Democracies

Co-Investigator   *2022*

• Analysis of survey research with Dr. James Adams (Professor of Political Science, UC Davis)

Policy Institute & Three Revolutions Future Mobility Transportation Research Program

Graduate Student Researcher   *2018–2023*

• Writing, data analysis, and survey & interview research collaboration with Austin L. Brown, Mollie C. D'Agostino, & Caroline Rodier (Institute of Transportation Studies, UC Davis)

Study of Immigration Incarceration on (Mental) Health Outcomes

Graduate Student Researcher   *2023–Present*

• Writing and data analysis collaboration with Caitlin Patler (Department of Sociology, UC Davis, Goldman School of Public Policy UC Berkeley)

Conference Presentations

American Political Science Association

- Annual Meeting, (Section Panel) *2021*

Society for Political Methodology (PolMeth)

- Annual Meeting, (Section Panel) *2020*

Midwest Political Science Association

- Annual Meeting, (Section Panel) *2019, 2022, 2023*

Western Political Science Association

- Annual Meeting, (Section Panel) *2023*

Elections, Public Opinion, and Voting Behavior (EPOVB)

- Annual Meeting, (Section Panel) *2023*

UCLA COMPASS Graduate Student Conference

- Annual Meeting, (Section Panel) *2018*

Applied Computing & Research Skills

Software	**R** (advanced, including data visualization, data management, causal inference, scaling, & machine learning), Qualtrics
Methodology	Latent variable measurement & scaling, machine learning, causal inference, & experimental design
Presentation	LaTeX(advanced, including **Beamer** Presentation, Bibtex, & Poster Presentation), **RMarkdown** (advanced, including type-setting, code replication/collaboration, & HTML web development)

Department & Professional Service

2019–2021	**Student Co-founder & Organizer**, Political Science Methods Series with JD Mussel & Christopher Hare. Funded through a $300 yearly grant from the Graduate Student Association.
2021–22	**Mentor**, UC Davis Undergraduate Research Training & Mentorship Program (Funded)
2018–2021	**Graduate Student Peer Mentor**, Department of Political Science, UC Davis
2018–2020	**Graduate Student Leadership Committee**, Department of Political Science, UC Davis

Teaching Experience

University of Michigan: ICPSR Summer Program

- TA, 4-Week Workshops, *Machine Learning: Applications in Social Science Research* (2019–2023)
- TA, 1-Week Workshops, *Machine Learning: Applications in Social Science Research* (Summer 2020)

University of California, Davis

- TA, Winter Quarter, *Elections and Voting Behavior* (2018)
- TA, Spring Quarter, *The Legislative Process* (2018)
- TA, Spring Quarter, *The Scientific Study of Politics* (2020)

References

Dr. Christopher D. Hare

ASSOCIATE PROFESSOR, DEPARTMENT OF POLITICAL SCIENCE, UNIVERSITY OF CALIFORNIA, DAVIS

- ✉ cdhare@ucdavis.edu

Dr. James F. Adams

PROFESSOR, DEPARTMENT OF POLITICAL SCIENCE, UNIVERSITY OF CALIFORNIA, DAVIS

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Dr. Carlos Algara

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