

Bethany Leap

Ph.D Student, American University School of Public Affairs

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Research Interests

Political Violence:

- Radicalization; Deradicalization; Extremist Behavior; Right-Wing Extremism; Terrorism.

Methodology:

- Bayesian Modeling; Text as Data; Causal Inference; Measurement; Multiple Imputation.

Data Science:

- Big Data; Social Media Mining; Applied Machine Learning.

Education

American University, Ph.D. Justice, Law, and Criminology 2024

Fields: Justice; Political Methodology

Gardner-Webb University, B.A. Global Studies 2019

The University of Texas at Austin 2014 – 2016

Additional Training

SPA Analytics and Management Institute, American University

Text Analysis Using R, Summer 2020 (with Dr. Andy Ballard)

Principles of GIS Mapping, Fall 2020 (with Dr. Meagan Snow)

Research Experience

Polarization and Extremism Research Innovation Lab (PERIL)

Graduate Research Fellow 2020 - Present

American University School of Public Affairs

Graduate Research Assistant 2019 - Present

University of North Carolina at Charlotte

Research Assistant 2018 - 2019

Teaching Experience

Teaching Assistant

JLC 681: Introduction to Justice Methods II, American University, Spring 2020/2021 (with Dr. Joe Young)

SPA 300: Experimenting with Violence (Honors Colloquium), American University, Fall 2020 (with Dr. Joe Young)

Guest Lecturer

"Methods for Researching the Far Right." *GLST 490: The Rise of Authoritarian Populism*, Department of Social Sciences, Gardner-Webb University, Spring 2021.

Publications

Book Chapters

Leap, B., & Young, J. Radicalization and deradicalization. In Asal, V., *Oxford Research Encyclopedia of International Studies*. Forthcoming.

Manuscripts in Progress

"Terrorizing Democracy? A Bayesian Analysis of Terrorism's Effects on Democratic Institutions," with Erica Chenoweth and Joe Young.

"A Machine Learning Approach to Predicting Behavioral Radicalization among the Far Right."

"Using Computational Text Analysis to Analyze Trends in the Radicalization Literature."

"Mapping the Far Right," with Joe Young and Cynthia Miller-Idriss.

Conferences and Talks

"Death & Math; or Why We Like Terrorism... Research," with Joe Young. Admitted Doctoral Student Day, School of Public Affairs, American University, Washington, DC, March 2021.

"Terrorizing Democracy? A Bayesian Analysis of Terrorism's Effects on Democratic Institutions." *Tri-School Doctoral Research Conference*, Washington, DC, March 2021.

"Ticking Time Bombs: The Effects of Indiscriminate Violence on Civil War Outcomes." *Midwest Political Science Association Annual Meeting*, Chicago, IL, April 2019.

"Ticking Time Bombs: The Effects of Indiscriminate Violence on Civil War Outcomes." *Life-of-the-Scholar Multidisciplinary Conference*, Boiling Springs, NC, March 2019.

Selected Awards

Summer Research Award. American University (\$5,000). 2021.

Summer Research Award. American University (\$5,000). 2020.

Graduate Assistantship. American University. 2019 - 2024.

Region III Graduate Scholarship. Alpha Chi National College Honor Society (\$1,000). 2019.

Summer Scholars Undergraduate Research Award. Gardner-Webb University (\$2,000). 2018.

Skills

Analysis: Bayesian inference, regression (parametric/non-parametric), Markov chain Monte Carlo (MCMC), multiple imputation, experimental design, probability, prediction, sampling, clustering, matching, panel and longitudinal data, factor analysis, supervised/unsupervised machine learning, content analysis, natural language processing.

Programming: R (scripts, projects, package development), Python, JAGS, Stan, Markdown, C/C++

Other software: Stata, \LaTeX , SPSS, SQL, Git, Hadoop, Qualtrics

Operative Systems: MacOS (advanced), Windows

Languages: English (native), Russian (intermediate proficiency), German (basic), Spanish (basic)

Memberships

- International Studies Association (ISA)
 - Women’s Caucus; LGBTQA Caucus; Peace Studies Section; International Security Studies Section.
- Society for Political Methodology
- Royal Statistical Society

References

Available upon request.