

Jeremy Springman, PhD

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🌐: <https://github.com/jrspringman>

Applied researcher working to design, implement, and evaluate data-driven solutions to complex problems:

- 6 years experience managing interdisciplinary team of 12 data science researchers
- 10 years experience with causal inference and machine learning research tools
- Passionate about communicating research for non-technical audiences to inform decision-making

Work Experience

University of Pennsylvania, PDRI-DevLab

Research Assistant Professor

July 2024 – Present

Senior Research Associate & Director of Research

July 2022 – June 2024

- Awarded \$3.5 million in federal and private research grants as a principal investigator
- Deployed public-facing **R Shiny** data dashboards and early warning system to inform crisis response and policy planning (150 hours of monthly usage; 800 newsletter sign-ups)
- Designed and analyzed randomized experiments to measure program success
- Developed course on causal inference and data science; advised students

Duke University, DevLab@Duke

Senior Research Associate

July 2021 – June 2022

Post-Doctoral Research Associate

January 2019 – June 2021

- Led development of large-scale webscraping and highly-multilingual ML text classification pipeline (**Python** and **R**) to track and forecast political instability in 63 countries
- Published 3 journal articles in peer-reviewed academic journals

Recent Invited Public Speaking

- U.S. Department of State (Washington, D.C.): Presented results from commissioned trial applying original data and time-series forecasting to guide budget and operations planning
- U.S. Army (*Fort Liberty*); Leibniz Center for Informatics (*Germany*); UN Data Strategy Community (*remote*); Vienna University of Economics and Business (*Austria*): Introduced public-facing data products to track political events and forecast instability in emerging markets
- Perry World House (Philadelphia): Discussed research to inform decision-makers' understanding of Russia's foreign influence operations in developing countries

Selected Academic Manuscripts Under Review (contact for full list)

- RCT to expand youth social networks and civic engagement in Ethiopia
- Conjoint survey experiment on organization decision-making in autocracies
- Original data and evidence on strategic logic of Russia's foreign influence operations
- Synthetic control analysis estimating effect of legal changes on foreign aid (*revise & resubmit*)

Selected Policy Reports in 2024 (contact for full list)

High Frequency Tracking of Civic Space Utilizing Domestic News Scraping and LLM Classification

- Prepared for Swift Expertise and Grounded Analytics Task Order by USAID DRG Bureau

Forecasting High-Level Travel Advisories with Machine Learning for Peace Data

- Prepared for Swift Expertise and Grounded Analytics Task Order by USAID DRG Bureau

Charting a Course for Applied Research in Peacebuilding

- Published by United States Institute of Peace