

# Jeremy Springman, PhD

Research Assistant Professor  
University of Pennsylvania

✉: [jspr@sas.upenn.edu](mailto:jspr@sas.upenn.edu)

📄: [jrspringman.github.io](https://github.com/jrspringman)

🌐: <https://github.com/jrspringman>

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

- 6 years experience recruiting and managing interdisciplinary team of 12 data science researchers
- 10 years experience with causal inference and machine learning research design and execution
- 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 policymakers signed-up for newsletter)
- Designed and analyzed randomized experiments to measure success and efficiency of client projects
- Developed course and mentored students on causal inference + data science tools (**R**, Quarto, GitHub)

### 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 empirical research 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)

---

- Synthetic control analysis estimating effect of legal changes on dyadic aid flows (*revise & resubmit*)
- RCT to expand youth social networks and civic engagement in Ethiopia + estimate network spillovers
- Conjoint survey experiment + bayesian regularization on organization decision-making in autocracies
- Original high-frequency data and evidence on strategic logic of Russia's foreign influence operations
- Spatial difference-in-differences with ML weighting on geotagged aid projects and election outcomes

## Selected Policy Reports in 2024 (contact for full list)

---

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

*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