

Jeremy Springman, PhD

Director of Research, PDRI-DevLab
University of Pennsylvania

✉: jspr@sas.upenn.edu

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

🌐: <https://github.com/jrspringman>

Research director leading experimental and ML research on business and policy solutions across partners:

- 12 years experience with randomized experiments, causal inference, and machine learning research
- 8 years experience managing large-scale international research projects, leading data science teams, coordinating partners and stakeholders, and delivering results that drive decision-making
- Demonstrated ability to communicate technical results to non-technical partners through presentations, reports, and visualization tools

Work Experience

University of Pennsylvania, [PDRI-DevLab](#)

Director of Research: Research Assistant Professor

July 2024 – Present

Director of Research: Senior Research Associate

July 2022 – June 2024

- Acquired and managed \$3.5 million in funding from federal and private research grants
- Managed team of 12 data scientists and mentored junior team members into management positions
- Introduced [data dashboards](#), [early warning system](#), and [monthly newsletter](#) used by 800 stakeholders to guide crisis response in 65 countries
- Delivered results from [commissioned trial](#) applying original data and time-series forecasting to guide budget and operations planning at U.S. Department of State
- Scaled [data production pipeline](#) to corpus of 200+ million documents (MongoDB) scraping 400 sources and processing text in 40 languages using neural machine translations (NMT), RoBERTa, and LLMs
- Designed, managed, and analyzed [RCT to expand civic engagement in Ethiopia](#) and estimate network spillovers, collaborating with local university, government agencies, and 3 implementing partners
- Produced 7 major [commissioned policy reports](#) and submitted 6 [research manuscripts](#) for peer-review
- Designed and analyzed online experiments to measure success of client projects and generate insights on program design and administration
- 20 invited [public speaking engagements](#) addressing hundreds of policymakers, stakeholders, and researchers across 5 countries
- Developed [undergraduate course](#) covering statistics, causal inference, and computational tools (R, Quarto, GitHub) for international development students

Duke University, DevLab@Duke

Senior Research Associate

July 2021 – June 2022

Post-Doctoral Research Associate

January 2019 – June 2021

- Co-founded [Machine Learning for Peace](#) project, which secured 7 years of renewed funding
- Managed development of data pipeline using webscraping and highly-multilingual text classification (Python and R) to continuously monitor and forecast political events in developing countries
- Designed, managed, and analyzed [RCT to improve financial health](#) of USAID partners in Cambodia involving 120 partner organizations, 3 international NGOs, and 2 universities; analysis lead to major program reforms
- Designed, programmed (Javascript, HTML), and analyzed multi-lingual online survey experiments commissioned by clients to inform grantmaking and administration
- Published [3 empirical research articles](#) in peer-reviewed academic journals and produced 5 major commissioned policy reports

Education

University of Pennsylvania • Ph.D. in Political Science

2019

University of Pittsburgh • B.A. in Politics, Philosophy, & Economics (Honors College)

2012