SAMUEL WORKMAN, PH.D.

I am a political scientist working at the intersection of American politics, public policy, statistics, and data science. I research the bureaucracy, regulatory politics and policy, and how institutions and organizations search for, generate, and use information. My work typically emphasizes text-as-data, machine learning, and statistical modeling, especially classification, stochastic processes, and likelihood methods. Current academic projects examine congressional bureaucracies, the politics of numbers and measurement, the regulatory politics of education policy, and agenda-setting in food policy.

My teaching spans American politics, public policy, public administration, and research methods. My approach emphasizes an interactive classroom that brings research and data to bear in illustrating key concepts, theories, and characteristics of governing and policy systems. The goal is to help students the politics of these systems and reason through the tradeoffs and tensions inherent in governing systems, public policy, and within organizations.

I also provide statistical consulting in the private sector, specializing in the grocery floral category. My work focuses on data-driven decision-making and management, custom reporting, and data-informed programming. I am a contributor at *Towards Data Science*, where I write on practical applications of data science and statistics. I am also one of the founding Editors of *3Streams*. In addition to editorial duty, I write on rural politics and policy, including Appalachia's politics. My popular writing on data science and rural politics has received over 10k views.

Skills & Experience

- Policy research, data management, statistical analysis & modeling, presentation, reporting & data visualization, machine learning
- Project Management, grant writing, team leadership & coordination, public speaking
- Market, sales, and inventory analysis, reporting, and visualization, data-driven decision-making and management
- Languages: R, $\LaTeX$, SAS, SPSS, VBA, SQL, Markdown, CSS, HTML
- Applications: Rstudio, WinEdt, Beamer, binb, xaringan, MS Word, Excel, PowerPoint, Access, SQLite

ACADEMIC POSITION

2021 | 2016

Associate Professor of Political Science

The University *of* Oklahoma ⚲ Norman, OK USA

- Faculty Member, *Center for Risk & Crisis Management*
- Faculty Member, *Big Data & Statistics Working Group*
- Faculty Affiliate, *The Comparative Agendas Project*, *University of Texas*
- Faculty Affiliate, *Advanced Quantitative Methods Group,* Department of Sociology

EDUCATION

2009 | 2005

Ph.D., Political Science

University *of* Washington ⚲ Seattle, WV

- Fields: American Politics, Public Policy, & Research Methodology
- Dissertation: *Economizing Attention: Agendas and the Influence of Bureaucracy in American Politics*
- *Graduate Fellow of the Center for American Politics & Public Policy*
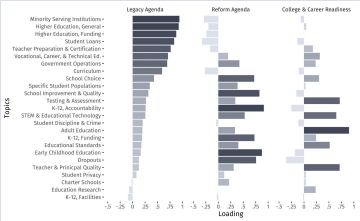
CURRENT GRANT

2021 | 2018

Organizational Problem Solving and the Use of Research in Education Policy

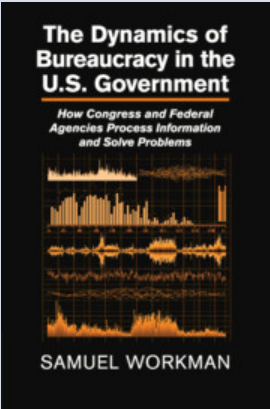*National Science Foundation, Science of Organizations*, Award No. 1827494, $455,640

- Samuel Workman (PI) and Deven Carlson (Co-PI)

IN PROGRESS

2021 — **Measuring Interest Group Agendas in Regulatory Proposals: A Method and the Case of U.S. Education Policy**

Interest Groups and Advocacy - Revise & Resubmit.

· **Samuel Workman**, Deven Carlson, Tracey Bark, and Elizabeth Bell

2021 — **Organizational Structure and Policy Change in U.S. Federal Bureaucracies**

Regulation and Governance - Under Review.

· **Samuel Workman**, Scott E. Robinson, and Tracey Bark

FORTHCOMING SCHOLARSHIP

2021 — *Methods of the Policy Process*

Routlege   📍 Abingdon, UK

· Christopher M. Weible & **Samuel Workman**, Editors
· Forthcoming, May 2021

2021 — **The Code and Craft of Punctuated Equilibrium**

Methods of the Policy Process

· **Samuel Workman**, Frank R. Baumgartner, & Bryan D. Jones
· Forthcoming, May 2021

2021 — **Building a Smarter Government: Practical Lessons for Policymakers from Punctuated Equilibrium Theory**

Practical Lessons from Policy Theories

· Chris Koski & **Samuel Workman**
· Forthcoming, April 2021

POPULAR WRITING

2021 — The Left Doesn't "Speak" WV Senator Joe Manchin

3Streams, January 13

· Samuel Workman

2020 — Want an Elegy? Ask an Appalachian

3Streams, November 12

· Samuel Workman

2020 — Four Principles of Data Collection

Towards Data Science, May 12

· Samuel Workman

2020 — *Scraping, Downloading, and Storing PDFs in R: Nested Scrapes to Avoid Button-Clicking*

Towards Data Science, April 9

· Samuel Workman