Stefani Langehennig

CONTACT
INFORMATION

Daniels College of Business
Department of Business Information & Analytics
University of Denver
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ACADEMIC
APPOINTMENTS

University of Denver, Department of Business Information & Analytics, Denver, Colorado USA
Assistant Professor of the Practice **August 2021 - present**

Birkbeck College, University of London, Department of Politics, London, UK
Postdoctoral Researcher **October 2019 - April 2021**

University of Colorado Boulder, Department of Political Science, Boulder, Colorado USA
Graduate Teaching Instructor & Assistant **August 2014 - May 2019**

EDUCATION

University of Colorado Boulder, Boulder, Colorado USA

Ph.D., Political Science, Summer 2019

- Fields: American Politics & Quantitative Methods
- Dissertation Topic: "In it to Win it: Creating the Federal Budget in an Era of Regular Disorder"
- Committee: E. Scott Adler (Chair), Kenneth Bickers, John Griffin

M.A., Political Science, Spring 2016

University of Nebraska Omaha, Omaha, Nebraska USA

M.S., Political Science, Spring 2014

The University of Texas at Austin, Austin, Texas USA

B.A., Government, Fall 2009; *Cum Laude, Phi Beta Kappa*

PEER-REVIEWED
PUBLICATIONS

Worthy, Ben and **Stefani Langehennig**. 2022. "Accountability, Analysis and Avoidance: How PMO Data Impacts on Westminster." *The Journal of Legislative Studies.*

Worthy, Ben, Cat Morgan, and **Stefani Langehennig**. 2022. "Is Data-Driven Politics Good for Democracy?" *Political Insight.*

Parinandi, Chinnu, **Stefani Langehennig**, and Mark Trautmann. 2020. "Which Legislators Pay Attention to Other States' Policies? Comparing Cosponsorship to Floor Voting in the Diffusion of Renewable Portfolio Policy." *Policy Studies Journal.*

Langehennig, Stefani, Joseph Zamadics, and Jennifer Wolak. 2019. "Policy Accountability and State Legislative Approval." *Political Research Quarterly.*

Worthy, Ben and **Stefani Langehennig**. 2023. "Continuous Virtual Surveillance? Monitory Democracy at Westminster." Chapter in *Parliament Buildings: The Architecture of Politics in Europe*, edited by Sophia Psarra, Claudia Sternberg, and Uta Staiger.

Adler, E. Scott, **Stefani Langehennig**, and Ryan W. Bell. 2019. "Congressional Capacity and Reauthorizations." Chapter in *Congress Overwhelmed: The Decline in Congressional Capacity and Prospects for Reform*, edited by Tim LaPira, Lee Drutman, and Kevin Kosar.

UNDER REVIEW

Stapleton, Carey E. and **Stefani Langehennig**. "Partisanship and Voting Behavior Reconsidered in the Age of Polarization." *Revise & resubmit.*

Worthy, Ben, **Stefani Langehennig**, and Cat Morgan. "Watching the Wheels: Who is Monitoring Lobbying at Westminster?" *Revise & resubmit.*

Langehennig, Stefani, Ryan W. Bell, and E. Scott Adler. "A Measure of Congressional Committee Influence." *Revise & resubmit.*

OTHERS PUBLICATIONS

"Registers of financial interests: the dangers of semi-transparency?" UK in a Changing Europe Blog post with Dr. Ben Worthy and Dr. Cat Morgan, 2023

"Does more data make for better behaved MPs?" London School of Economics (LSE) blog with Dr. Ben Worthy, 2023

"More money, more problems: does more data impact on politics?" UK in a Changing Europe Blog post with Dr. Ben Worthy and Dr. Cat Morgan, 2023

"The central problem with lobbying is the lack of data, which only worsens the public's perceptions of the issue." London School of Economics (LSE) blog with Dr. Ben Worthy, 2021

"An MP's voting record matters, but not in the way you think." London School of Economics (LSE) blog with Dr. Ben Worthy, 2021

"How data-driven democracy both helps and hinders politics." London School of Economics (LSE) blog with Dr. Ben Worthy, 2020

"How well do we know Boris Johnson MP?" Political Studies Association (PSA) blog with Dr. Ben Worthy, 2019

Data Transparency and Accountability during Covid-19: Evidence presented to the UK House of Commons's Public Administration and Constitutional Affairs Committee (PACAC), 2019

"Starter Kit: Legislative Branch" Civics 101 podcast by New Hampshire Public Radio (NHPR), 2019

WORKS IN PROGRESS

Stefani Langehennig, Zach del Rosario, and Mine Dogucu. "Surprise - They're Different! Comparing Frequentist and Bayesian Approaches in Public Policy."

Stapleton, Carey E. and **Stefani Langehennig**. "Anger as an Instrument for Policing In-Group Norms."

Stapleton, Carey E. and **Stefani Langehennig**. *Survey Methods for Social Scientists.* Open-source undergraduate textbook in R.

CONFERENCE PRESENTATIONS & INVITED TALKS

"Using Generative AI to Enhance Data Storytelling." Invited talk at the Western Association of College and University Business Officers (WACUBO) Annual Women's Leadership Forum, 25-26 January, 2024, Denver, Colorado.

"Navigating Non-Academic Job Possibilities for Political Science PhDs." Invited talk at the University of Colorado Boulder's Department of Political Science, 08 December, 2023, Boulder, Colorado.

"Closing the Data Divide: Communicating What Matters in a World Filled with Data." Invited talk at the Western Association of College and University Business Officers (WACUBO) Annual Women's Leadership Forum, 03-06 February, 2023, San Diego, California.

"Congressional Committee Influence." Paper presented at the 2022 Midwest Political Science Association Annual Conference with Dr. E. Scott Adler and Ryan W. Bell.

"Does More Data make for better politics?" Invited talk with Dr. Ben Worthy at the Open Data Institute's ODI Fridays, 12 March 2021, London, UK.

"Monitoring Westminster and the Impacts on Democracy." Paper presented at the 2021 Political Studies Association Annual Conference with Dr. Ben Worthy.

"Continuous Virtual Surveillance? Monitory Democracy at Westminster." Paper presented with Dr. Ben Worthy at the Parliament Buildings International Conference 2020.

"Institutional Advantage and Policy Influence in Congress." Paper presented at the 2018 American Political Science Association Annual Conference with Dr. E. Scott Adler and Dr. Joseph Zamadics.

"Capacity and Reauthorizations." Paper presented at the 2018 State of Congressional Capacity Conference hosted by The R Street Institute with Dr. E. Scott Adler.

"Renewing Legislation as a Measure of Congressional Accomplishment: A Preliminary Analysis." Paper presented at the 2017 American Political Science Association Annual Conference with Dr. E. Scott Adler.

"Understanding Congress Through the United States Code." Paper presented at the 2017 PI-NET PoliInformatics Conference with Dr. E. Scott Adler and Ryan W. Bell.

"Measuring Congressional Accomplishment Through the United States Code: A Peek at the Data." Paper presented at the 2017 Midwest Political Science Association Annual Conference with E. Scott Adler.

"Tracking Statutory Reauthorizations: Creating a New Metric for Legislative Productivity." Paper presented at the 2016 American Political Science Association Annual Conference with Dr. E. Scott Adler.

"The Politics of Temporary Legislation: Reauthorizations in an Era of Polarization." Paper presented at the 2016 Midwest Political Science Association Annual Conference with Dr. E. Scott Adler.

"Forming Attitudes in Low Information Environments: How People Use Cues to Help Inform Opinions on State Legislatures." Paper presented at the 2016 Midwest Political Science Association Annual Conference with Dr. Joseph Zamadics.

"Forming Attitudes in Low Information Environments: How People Use Cues to Help Inform Opinions on State Legislatures." Paper presented at the 2016 annual State Politics and Policy Conference with Dr. Joseph Zamadics.

TEACHING   **University of Denver**
   Python Programming (Graduate)

Data Mining & Visualization (Graduate)
Project Management (Graduate)
Capstone Project Planning (Graduate)
Analytics II: Business Statistics and Analysis (Undergraduate)

University of Colorado Boulder
The American Congress (Undergraduate; Instructor of Record)
Advanced Data Analysis (Data II)(Graduate; TA)
The American Political System (Undergraduate; TA)

Service
Editorial Board Member, Journal of Open Source Education (JOSE) (October 2022-Present)
Co-Director for the Center for Analytics and Innovation with Data (CAID), University of Denver (November 2021-present)
Business Information & Analytics Department MSBA Capstone Mentor, University of Denver (August 2021-present)
Committee member, iChange Action Plan Committee, University of Denver (March 2023-December 2023)
Committee Member, Daniels College of Business Strategic Planning - Community Engagement, University of Denver (May 2022-November 2022)
Search committee member, Department of Business Information & Analytics Assistant Professor of the Practice, University of Denver (2022)
American Politics Research Lab (APRL) Lab Fellow (August 2016-May 2019; Lead Fellow August 2017-May 2018)
University of Colorado Boulder Undergraduate Research Fellows Mentor (August 2017- May 2018)
Lead Graduate Student Representative and Assistant, Women in Political Science (WIPS) (August 2016-May 2017)
Program leader, Mentors of Political Science (MOPS) for Graduates in Political Science (GIPS) (August 2015-May 2016)

Member
American Statistical Association (ASA)
Society for Political Methodology (SPM)
Midwest Political Science Association (MPSA)
Phi Beta Kappa
Women's Caucus for Political Science
Women in Legislative Studies

Reviewer
INFORMS CIST, Journal of Open Source Education, Political Research Quarterly, Journal of Public Policy, American Politics Research

Methodological Training
Survey Methods & Analysis, Linear Regression, Generalized Linear Modeling, Maximum Likelihood Estimation, Time Series Analysis, Bayesian Statistics, Experimental Methods and Causal Inference, Network Analysis, Spatial Econometrics, Machine Learning (unsupervised and supervised methods), Data Visualization (dashboarding and interactive)

Further Training & Certifications
ICPSR 2018, University of Michigan - Machine Learning: Applications and Opportunities in Social Science Research; CSS 2018, University of Southern California - Summer School Series on Methods for Computational Social Science with a focus on Textual Analysis; SICSS 2018, University of Colorado Boulder - Summer Institute in Computational Social Science; AWS Essentials

(Udemy); Docker for Machine Learning and Data Science (Udemy); Program Management Foundations (LinkedIn Learning)

Programming & Software

Python, R, Stata, Git, LaTeX, Power BI, Microsoft Office Suite, SQL (basic)

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<tr><td>GRANTS AND
AWARDS</td><td>

Awards

Office of the Provost and Executive Vice Chancellor Outstanding Teaching Award, University of Denver (Spring 2022)
Runner-up, Qualifying Paper Prize, University of Colorado Boulder Political Science Department (Spring 2016)
Finalist, Elton S. Carter Masters Thesis Award, University of Nebraska Omaha (Spring 2014)

Grants

Bayes BATS NSF IUSE: EHR Program Tier 3 Grant, \$2,000 (2023)
Bayes BATS NSF IUSE: EHR Program Tier 2 Grant, \$1,500 (2023)
Bayes BATS NSF IUSE: EHR Program Tier 1 Grant, \$2,300 (2023)
Computational Social Science (CSS) Summer School Series Grant, \$2,000 (2018)
Graduate Training Grant, University of Colorado Boulder, \$1,700 (2018)
Graduate School Travel Grant, University of Colorado Boulder, \$300 (2018)
Political Science Department Travel Grant, University of Colorado Boulder, \$450 (2018)
Graduate Research Grant, University of Colorado Boulder, \$1,120 (2017)
CARTSS Graduate Research Grant, University of Colorado Boulder, \$935 (2017)
Graduate School Travel Grant, University of Colorado Boulder, \$300 (2017)
Graduate Research Grant, University of Colorado Boulder, \$750 (2015)
United Government of Graduate Students (UGGS) Travel Grant, University of Colorado Boulder, \$300 (2016)
Political Science Department Travel Grant, University of Colorado Boulder, \$275 (2016)
Political Science Department Travel Grant, University of Colorado Boulder, \$250 (2015)
Graduate School Travel Grant, University of Colorado Boulder, \$300 (2015)

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<tr><td>RELEVANT
PROFESSIONAL
EXPERIENCE</td><td>

ICF International, Denver, Colorado USA

Lead Data Scientist, Public Sector Group **April 2021 - July 2021**
Led team of data scientists to provide client-facing, technical support for federal, state, and local agencies in policy areas including health, environment, technology, cyber-security, and social programs.

ICF International, London, UK

Senior Data Scientist & Managing Consultant **January 2020 - April 2021**
Built strategy for entirely new data science function across European and Asian public policy. Role included data science technical support and applications for government and commercial clients; managing and recruiting data scientists; and developing company-wide training materials and workshops related to data science methods.

Decoded, London, UK

Data Science Product Developer & Instructor **July 2019 - January 2020**
Worked with global team to produce best-in-class data science curriculum based on BCS and Dell EMC policy standards delivered to more than 1000 students across the world. Role included facilitating in-person and online sessions taught in programming languages such as R and Python on unsupervised and supervised learning, as well as other advanced and context-specific methodologies.

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