Stefani R. Langehennig

CONTACT INFORMATION	Email	Website	GitHub	LinkedIn

EDUCATION	**University of Colorado at Boulder**, Boulder, CO	Summer 2019
	Ph.D., Political Science; Fields: American Politics & Quantitative Methods	
	University of Colorado at Boulder, Boulder, CO	Spring 2016
	M.A., Political Science; Fields: American Politics & Quantitative Methods	
	University of Nebraska Omaha, Omaha, NE	Spring 2014
	M.S., Political Science	
	The University of Texas at Austin, Austin, TX	Fall 2009
	B.A., Government, with Honors; *Cum Laude, Phi Beta Kappa*	

PROFESSIONAL APPOINTMENTS

University of Denver, Daniels College of Business Denver, CO — July 2021 –
Assistant Professor of the Practice, Department of Business Information and Analytics

ICF International Denver, CO — April 2021 – July 2021
Lead Data Scientist, Public Sector Group
- Leads team of data scientists to provide client-facing, technical support for federal, state, and local agencies in areas including health, environment, technology, cyber-security, and social programs

ICF International London, UK — January 2020 – April 2021
Senior Data Scientist & Managing Consultant, Public Policy
- Built strategy for entirely new data science function across European and Asian public policy
- Consulted and advised on data science best practices and applications to generate insights for government and commercial clients, including EU and UK institutions and agencies in policy areas such as education, employment, and skills; health; and energy and environment
- Collaborated with US data science and analytics team to build out cohesive global capabilities
- Managed, directed, mentored, and recruited for a team of junior data scientist while conceiving and planning team projects in alignment with organizational goals
- Developed and delivered company-wide training materials and workshops on econometric methods, visualization techniques, and unsupervised and supervised machine learning techniques

Decoded London, UK — July 2019 – January 2020
Data Science Product Developer & Instructor
- Produced best-in-class data science curriculum based on BCS and Dell EMC policy standards delivered to more than 1000 students across the world with a 96% retention rate
- Facilitated in-person and online Data Academy and Leadership product sessions taught in programming languages such as R and Python on unsupervised and supervised learning, as well as other advanced and context-specific methodologies
- Worked with global team in US and Asia to prototype, develop, and refine data content and delivery tools for existing and future clients using code and established pedagogical techniques

LEADERSHIP & EXPERIENCE IN EDUCATION

Birkbeck, University of London — October 2019 – April 2021
Postdoctoral Researcher
- Acquired, curated, and analyzed government and social media data, administered and analyzed survey data, and conducted interviews and living labs with individuals and organizations close to Westminster Parliament
- Developed research objectives and articles incorporated into pending book project about the nature and effects of monitory democracy on Westminster Parliament
- Participated in annual political science conferences to present ongoing work from the primary project funded by the Leverhulme Trust

University of Colorado Boulder — August 2014 to June 2019
Graduate Researcher & APRL Lab Fellow
- Lead lab fellow for the American Politics Research Lab (APRL), coordinating the interdisciplinary study of American Politics, planning and administering a university-wide speaker colloquium series, and overseeing undergraduate and graduate lab fellows

- Lead research assistant to Dr. E. Scott Adler for the Hewlett Foundation's Madison Initiative Recurring Legislation project, a multiyear funded project for evaluating congressional performance
- Recruited, managed, and trained personal undergraduate research assistants in collecting and analyzing data using quantitative techniques for dissertation and grant funded projects

Graduate Teaching Instructor & Assistant　　　　　　　　　　August 2018 to May 2019
- Instructor of record for *PSCI 3041: The American Congress*; Topics include congressional procedures and rules, elections and campaigns, constitutional foundations, and methodological techniques
- Developed an upper-level undergraduate curriculum consisting of group discussions, lectures, exams, and writing assignments for 74 junior and senior students
- Prepared and taught CU undergraduate and graduate courses and recitation sections, ranging from 15-450 students; included Advanced Data Analysis and Introduction to American Politics

Department Service　　　　　　　　　　　　　　　　　　　August 2015 to May 2017
- Women in Political Science (WIPS): Lead graduate student representative for organization to help women and minority students and faculty succeed in the discipline and organized annual speaker series, guest speakers, and social activities; maintained website
- Mentors of Political Science (MOPS): Program leader for developing mentorships between incoming and current graduate students; created programming to prepare incoming students; arranged graduate students and faculty to present on best approaches to publishing, teaching, proposal writing, and funding opportunities

Lovejoy Independent School District Lucas, Texas　　　　　August 2012 to May 2014
Teacher and Head Coach
- State certified teacher of Pre-AP U.S. History, Texas History, Speech, Health, and Physical Education classes to grades 5-8 at the intermediate and middle school level
- Developed and administered lesson plans, assignments, and exams based on policy-driven benchmarks developed across interdisciplinary education teams
- Head Boys and Girls Track and Field Coach at Lovejoy High School and Middle School, overseeing 300+ student-athletes and 16 coaches

Tomball Independent School District Tomball, Texas　　　August 2011 to May 2012
Adaptive P.E. Teacher and Head Cross Country Coach

Hereford Independent School District Hereford, Texas　　August 2010 to May 2011
P.E. Teacher and Head Cross Country/Track & Field Coach

SKILLS

Methodological Training
Survey Methods & Analysis, Linear Regression, Generalized Linear Modeling, Maximum Likelihood Estimation, Time Series Analysis, Bayesian Analysis, 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); Agile Project Management and Delivery (Udemy); Program Management Foundations (LinkedIn Learning)

Programming & Software
R, Python, Stata, LaTeX, GitHub, SQL (basic), Power BI, Microsoft Office Suite

SELECTED PEER REVIEWED WORK
- "Which Legislators Pay Attention to Other States' Policies? Comparing Cosponsorship to Floor Voting in the Diffusion of Renewable Portfolio Policy" (with Chinnu Parinandi & Mark Trautmann, *Policy Studies Journal*)
- "Policy Accountability and State Legislative Approval" (with Joe Zamadics & Jennifer Wolak, *Political Research Quarterly*)
- "Congressional Capacity and Reauthorizations" (with E. Scott Adler & Ryan Bell, *Congress Overwhelmed: The Decline in Congressional Capacity and Prospects for Reform* book chapter, eds. Lee Drutman, Tim LaPira, and Kevin Kosar)