

SEAN LONG

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- Experienced researcher with a proven track record in computational quantitative methods and geospatial analysis
 - Strong background in data collection, management, and evaluation with advanced skills in R
 - Successful project manager with background overseeing long-term research teams and engaging diverse stakeholders

EDUCATION

University of California, Riverside	Ph.D. Political Science
Georgetown University	M.A. American Government
Reed College	B.A. Philosophy

TECHNICAL SKILLS

Programming	R (advanced), Python, SQL
Evaluation Methods	Mixed methods, survey design, program assessment, causal inference
Visualization	R Shiny dashboards, leaflet, and ggplot
Software	Microsoft Office Suite, Git/GitHub, Qualtrics, LaTeX

PROFESSIONAL EXPERIENCE

Collingwood Research: *Associate Researcher (Contract)* June 2021 - Present

- Developed reproducible R pipelines for conducting evaluations of voting district proposals using Monte Carlo simulations and spatial analysis
- Collected and processed large datasets including voter files and spatial data, performing spatial merges between Census data and shape files after geocoding voter addresses
- Conducted ecological inference analyses and maintained the eiCompare R package used by researchers nationwide
- Created interactive leaflet maps and visualizations that allowed clients and stakeholders to explore and assess analytical results
- Authored successful RFP bids that brought in two major clients for the firm

Oregon State University: *Political Science Instructor* September 2024 - Present

- Teach classes on American politics and research methods to classes of up to 150 students
- Advise and mentor students on research projects, including training in quantitative analysis
- Communicate complex methodological concepts to diverse audiences and assess student learning outcomes

George Washington University: *Postdoctoral Associate* July 2023 - July 2024

- Analyzed large volumes of social media text using mixed methods combining quantitative modeling with qualitative validation
- Developed machine learning models incorporating topic modeling and sentiment analysis to evaluate patterns in online discourse

Independent Research Consultant September 2015 - June 2021

- Contracted by small businesses and non-profits to design and conduct end-to-end evaluation projects

- Conducted program evaluations including assessments of organizational strategies and policy initiatives
- Designed quantitative tests to assess the efficacy of voter turnout campaigns, providing actionable recommendations to clients

American Gas Association: *Research Intern*

January 2015 - September 2015

- Monitored legislative sessions and hearings on issues related to energy and natural resources
- Conducted policy research and annotated bills on technical topics related to energy efficiency standards

McCullough Research: *Research Associate*

June 2012 - June 2013

- Compiled extensive research reports on energy economics, including book-length reports and public-facing articles
- Managed data collection efforts including extensive public records requests yielding emissions data from eleven California refineries
- Interfaced with clients, agency staff, and external stakeholders to communicate findings and recommendations

SCHOLARLY RESEARCH

- Seven peer-reviewed publications leveraging machine learning, survey analysis, causal inference, and qualitative interviews, plus a full-length book project
- Supervised three waves of approximately thirty research assistants over one year, training and coordinating their classification of 14,000 records
- Created and managed SQL databases enabling colleagues to query datasets of over 100,000 documents