

Francine Stephens

Data Storyteller | Geospatial Data Scientist | PhD Candidate

Ph.D. candidate with a passion for data analysis and creatively presenting insights. Seeking to transition into a data scientist/analyst role where I can leverage my technical communication skills and collaborate with other analysts, developers, and non-technical business partners.

EDUCATION

Ph.D. in Sociology	August 2023
M.A. in Sociology	May 2019
Stanford University, Stanford, CA	
<ul style="list-style-type: none">Awards: Cilker Award for Teaching Excellence	
B.A. in Sociology with Distinction	May 2017
University of Pennsylvania, Philadelphia, PA	
<ul style="list-style-type: none">Awards: <i>summa cum laude</i>, Phi Beta Kappa, Benjamin Franklin Scholar	







WORK EXPERIENCE

Research Scientist	June 2021 – May 2022
Intuit People Analytics Research Team, Remote	
<ul style="list-style-type: none">Invented scalable web-data extraction process for new employee listening channel to inform C-level executives of tech-employee sentiment at Intuit and five competitor companies each monthly.Owned end-to-end analysis and dashboard reporting process for the weekly work-from-home employee survey to inform return-to-workplace teams of employee concerns about work-from-home and returning to the office.Evaluated state of manager capacity and impacts of recent manager development initiative for bi-annual talent development report using regression analysis and matched-pairs hypothesis testing.	
GIS/Spatial Data Analyst	August 2020 – December 2020
Texas Democratic Party Tech & Data Team, Remote	
<ul style="list-style-type: none">Owned daily polling place web-extraction and analysis for Texas’ 254 counties during early and election day voting to steer poll-watcher allocation and advocacy for additional polling places.Analyzed top-of-ticket vote trends across counties by urbanicity for retrospective memo on successes and weaknesses in 2020 voter turnout.	

ACADEMIC EXPERIENCE

Research/Teaching Assistant	June 2018 – December 2022
Stanford Department of Sociology, Stanford, CA	
<ul style="list-style-type: none">Advised on research design for faculty-led projects with geographic data.Performed spatial fixed-effects panel regressions and spatial diffusion analyses for faculty projects with spatial data.Communicated technical concepts in introductory research design and data analysis classes of 60 to 80 students.Designed tutorials for web-mapping and analysis of spatial data for undergraduates with little-to-no background in statistics or GIS.	

CONTACT

	SF Bay Area (Willing to Relocate)
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	linkedin.com/in/francine-stephens/
	github.com/francine-stephens
	francine-stephens.github.io/

SKILLS

Languages & Software:
<ul style="list-style-type: none">RSQL (Big Query, MySQL)ESRI ArcGIS Desktop & Online SuiteTableau / Qlik / Flex DashboardsGitHub / Command Line / SSHHTML / CSS / MarkdownPython (Beginner/Intermediate)
Data Analysis:
<ul style="list-style-type: none">Data Visualization & CartographyLinear & Non-Linear ModelsHypothesis TestingSpatial Statistics & ModelsData Mining (Clustering, Classification)NLP AnalysisFactor AnalysisWeb Scraping

DOMAIN KNOWLEDGE

<ul style="list-style-type: none">Geographies (Census, Parcel, Foot Traffic)Demography / Demographic TrendsGeodemographic Measures / SegmentsUrban InequalitySmart Cities and CommunitiesRecreation and Leisure
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SELECTED PROJECTS

<ul style="list-style-type: none">Story Map of Excelsior NeighborhoodTutorials for Web-Mapping & AnalysisNLP Analysis of Airbnb Listings (ppr pptx)Web Scraping & Analysis of Blind ReviewsProject Proposal for Smart City Initiative
