

FRANCINE STEPHENS

DATA SCIENTIST | DATA VISUALIZATION AND GIS SPECIALIST

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SUMMARY OF QUALIFICATIONS

- Broadly skilled data professional with 5 years of experience writing code in R and Python to design visualizations that convey insights from structured and unstructured datasets.
- Earned social science Ph.D. focused on statistics and data visualization while working 2 full time jobs on small data science teams.
- Diverse experience collaborating in cross-functional environments to distill data into visualizations that drive decision-making.
- Presented data visualizations and slide decks to stakeholders across all organizational levels in corporations and not-for-profits.

SKILLS

- **PROGRAMMING LANGUAGES:** R | Python | SQL | HTML | CSS.
- **DATA VISUALIZATION TOOLS:** Tableau | Shiny | Plotly | Leaflet | ESRI ArcGIS Desktop & Online | Adobe Creative Suite.
- **ANALYSIS TECHNIQUES:** Data Mining | Statistics | Regression | Machine Learning | GIS | Natural Language Processing.
- **DATA TYPES:** GPS | Satellite Imagery | Mobile & Communications | Websites & Social Media | Text Files | Surveys.
- **OTHER TOOLS:** GitHub/Lab | AWS | Command Line | Agile Project Management | Asana | Jira.

RELEVANT EXPERIENCE

Research Scientist | Intuit

06/2021 – 05/2022

- Performed data analysis and dashboard reporting for 2 company-wide weekly surveys. Summarized findings in monthly presentations to senior leadership, business partners, and internal customers.
- Developed an automated, scalable program to scrape and analyze online reviews for Intuit and 5 competitors, which added competitive intelligence to data reports delivered to senior leadership.
- Improved analytics and reporting approaches in bi-annual program evaluations for the C-suite by implementing more robust statistical inference techniques and new visualization styles.
- Partnered with data science team to develop a topic model and sentiment analysis that identified actionable insights from bi-annual employee feedback survey.
- Conducted monthly data storytelling training sessions with demonstrations on data visualization techniques to 7 junior analysts.

GIS/Spatial Data Analyst | Texas Democratic Party

08/2020 – 12/2020

- Led data collection and analysis for polling place operations in all 254 Texas counties daily and disseminated results in Tableau dashboards and interactive reports for other teams within the enterprise and voters.
- Forged partnership with managers on the messaging team to leverage 2 new datasets and statistical models that enhanced volunteer operations and advocacy strategy in 30 critical counties.
- Designed all maps of election results in post-election retrospective memo for state party leaders using R and ArcGIS.
- Influenced data team to adopt end-to-end data science solution for redistricting that increased efficiency of analysis process.

ADDITIONAL EXPERIENCE

Ph.D. Researcher | Stanford University

06/2018 – 08/2023

- Won award for Outstanding Natural Language Processing Paper in the Social Sciences for integrating topic modelling and spatial analysis to uncover racial differences in neighborhood marketing strategies.
- Led all 7 spatial data science projects in the department through the research cycle from data collection and analysis to reporting.
- Created an interactive digital story map of demographic trends in a San Francisco housing submarket that has garnered 6.7K views.

Graduate Instructor, Statistics & GIS Specialist | Stanford University

06/2019 – 12/2022

- Served as statistics and GIS subject matter expert and provided weekly training in data analysis for 5 classes of 25 to 60 students.
- Designed a website with 10 tutorials on creating interactive web-maps that contributed to a 30% increase in course satisfaction.
- Received high ratings (4+ out of 5) on quarterly performance evaluations and earned Cilker Award for Teaching Excellence.

EDUCATION

Ph.D. Sociology | Stanford University

09/2023

M.A. Sociology | Stanford University

09/2023

B.A. Sociology – Quantitative Methods | University of Pennsylvania

05/2017

Honors: *summa cum laude*; Phi Beta Kappa; Benjamin Franklin Scholar.
