

Dominique Lockett, Ph.D.

Data Scientist

St. Louis, USA 618 954 6277

dr.domlockett@gmail

Skills __

Programming & Tools

Python | R | API Usage | HTML | CSS | Bayesian Model Averaging | JavaScript | ETL | SQL (PostgreSQL, MySQL, SQLite) | Git | LaTeX | Jupyter | Scikit-learn | Pandas | Numpy | XGBoost | NLP

Experience _

Data Scientist
Maritz

November 2024 — present
Fenton, MO

- Engineered workflow to automatically deploy K-means clustering model to categorize consumer data, driving targeted marketing initiatives aimed at boosting engagement and sales
- Deployed a XGBoost model to accurately forecast the timing of consumer treatments, subsequently conducting A/B testing to inform business strategy
- Conducted detailed matching analysis to evaluate the effects of a promotional giveaway, demonstrating the impact of the promotional tactics

Data Science Specialist

April 2023 — November 2024

Scale Al

Remote

- Developed end-to-end data science solutions for diverse use-cases (OCR, web scraping, NLP), providing functional examples and clear implementation guides
- Refactored LLM-generated code, improving functionality, efficiency, and adherence to best practices
- Provided in-depth evaluations of AI responses, delivering actionable feedback to improve model performance in fulfillment and presentation

Computational Scientist

August 2017 — May 2024

Washington University in Saint Louis

Saint Louis, MO

- Designed an automated ETL pipeline for a Twitter text experiment with Python (nltk, numpy, and scikit-learn), populating hundreds of millions of tweets and replies into a SQL database
- Published multi-panel study exploring the impact of fake news on political participation, cleansing and analyzing data for 7500+ observations
- Ensured data integrity in a large multi-survey study of political advertisements, collaborating with a multi-disciplinary team to develop informative visualizations using R packages like ggplot2
- Forecasted the 2020 presidential election, implementing Bayesian model averaging approach to combine predictions from various models (Random Forest, SVM, BART, Kernel Regression)

Data Science Instructor

June 2020 — June 2022

Washington University in Saint Louis

Saint Louis, MO

- · Delivered interactive, user-centered data science courses utilizing Python, Git, and JupyterLab
- Employed visual tools and practical examples in teaching Python and data visualization
- Supervised practical projects for Brown School of Public Health students', preparing them to clean, transform, interpret, and visualize data

Education

Ph.D. in Political science

B.A. Political Science (Cum Laude)

Washington University in Saint Louis Saint Louis University

2024

2016