BEN MEIER

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SUMMARY

A data scientist passionate about environmental and socioeconomic issues. I have 6 years of experience working with data to inform economic research and financial regulation. I look forward to new experiences that align with my passions.

EDUCATION

Master of Information and Data Science, University of California, Berkeley   📅 2022 – Present
- GPA 4.0 of 4.0

BS, Applied Math and Industrial Engineering, Iowa State University   📅 2011 – 2016
- GPA 3.9 of 4.0

TECHNICAL SKILLS

Programming: Python (pandas, numpy, scipy, scikit-learn, keras tensorflow, pytorch, beautiful soup), VBA, Stata, SAS, SQL, HTML, CSS, R (RStudio, tidyverse, ggplot2, dplyr, shiny)
Data skills: Cloud computing (AWS sagemaker, Google colab), Databases (SQL, SQL Server, SSIS), Anaconda, Git, VS Code, Visual Studio, Jira
Visualization: Tableau, Power BI, Python (matplotlib, seaborn, plotly)
Methods: Machine learning (clustering, K means, K nearest neighbors, decision trees, random forest, naive Bayes, neural networks), Statistics (logistic/linear regression, gradient descent)

PROJECTS

Exploratory Data Analysis of Los Angeles Traffic Collisions
- Course final project demonstrating experience with EDA and visualization in python (pandas, matplotlib, seaborn)

Clustering Analysis of Holding Companies
- Self-directed project to identify clusters of financial institution in U.S. using public FR Y-9C data. Uses EDA, K-means and KNN clustering, and visualization in python (pandas, numpy, scikit-learn, matplotlib, seaborn)

PROFESSIONAL EXPERIENCE

Federal Reserve Bank of Dallas   📍 Dallas, TX

Programmer Analyst II, Statistics   📅 2019 – Present
- Performed data migration and database design to on-board two new survey collections
- Developed dashboard for preliminary survey data to enable on-demand customer data access eliminating a 1-day lead time
- Developed four extract-transform-notify python automation jobs to eliminate over 700 hours of staff work per year
- Developed K-means clustering notebook and KNN clustering notebook to test proof of concept to pilot AWS Sagemaker environment
- Led requirements, development, testing, and deployment of five minor version software releases

Economic Research Assistant, Research   📅 2018 – 2019
- Developed R script to automate the retrieval, cleaning, and validation of data for economic modeling
- Developed VBA excel workbook to automatically update FOMC regional data

Business Operations Analyst, FRB Houston   📅 2016 – 2018
- Improved data collection and analysis of district cafeteria IRS de minimis calculation