BENJAMIN HO

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Portfolio: https://benwho19.github.io/
Location: San Francisco, CA

SKILLS & CERTIFICATIONS

Technical skills: Excel, Google Sheets, SQL, Tableau, dashboards, PowerPoint, BigQuery, Python (Pandas, NumPy, Matplotlib, Scikit-learn), R, Git, Jupyter, machine learning

Certifications: Google Data Analytics Certificate, Tableau Desktop Specialist

PROJECTS

Wine Quality Analysis | Excel
Used Excel to analyze a wine dataset containing data on various chemical properties of wines.
- Cleaned data and built pivot tables to analyze which properties of a wine (such as pH, density, and residual sugar) were most closely linked to its quality.

Zillow Home Price Analysis | SQL, Tableau
Conducted a SQL analysis of a Zillow dataset and used Tableau to visualize and create dashboards.
- Discovered the highest rents and home prices, which homes are under- or over-valued, and which states are the best and worst for renting in.
- Built a Tableau dashboard to display KPIs such as highest median rents and prices per square foot.

Instacart User Trends Analysis | Python, Pandas, Matplotlib
Leveraged Python to analyze an Instacart dataset containing 3 million orders from 200,000 users.
- Discovered users' ordering trends such as most popular day and time of purchases, frequency of reorders, and number of items per order.
- Created visualizations in Matplotlib that display key findings, such as which products, aisles, and departments are the best-selling.

Carbon Emissions Prediction | Python, Pandas, Matplotlib, Scikit-learn
Used Python to analyze a vehicle dataset containing over 2,000 models across 42 makes.
- Identified which features of a vehicle are most related to carbon emissions.
- Achieved 86% accuracy in predicting a vehicle's carbon emissions using regression models.

WORK EXPERIENCE

Genista Biosciences – Software Engineer; San Jose, CA   *Nov 2021 – Dec 2022*
- Built data-intensive web applications and dashboards vital to customers and lab staff operations.
- Delivered projects that improved API call speeds by 100% and efficiency of lab testing tasks by 50%.
- Collaborated cross-functionally with the design team and chemistry/biochemistry lab staff, ensuring project stakeholders understood technical concepts.
- Spearheaded a major codebase rewrite, introduced new code style guidelines to the engineering team.

EDUCATION

UC Berkeley | B.A., Cognitive Science
- Relevant coursework: Foundations of Data Science, Intro to Probability and Statistics, Structure and Interpretation of Computer Programs, Discrete Math, Data Structures, Artificial Intelligence, UI Design