

BRIAN NAM

EDUCATION

University Of California San Diego
B.A. Economics 2020

EXPERIENCE

Metis

Data Scientist

Mar. 2021 - May 2021

Completed Metis's licensed 10-week immersive data science bootcamp focused on project-oriented learning. Established comfort with a core curriculum centered around Python, statistics, supervised and unsupervised machine learning, exploratory data analysis, databases, and visualization techniques. Designed five data science projects from conception to presentation, including data collection, data management, exploratory data analysis, modeling, and visualization. **Projects include:**

San Diego Housing Price Prediction

- Cleaned and scraped data of sold house listings from realtor.com using BeautifulSoup and Zyte
- Utilized SKlearn to perform feature engineering and feature extraction
- Trained and regularized a linear regression model to map the importance of elements correlating to higher or lower housing price

Stock Trend Prediction

- Cleaned and scraped historical stock data from Yahoo finance
- Used sqlite to store and query data
- Engineered supplementary features using the technical analysis library to approximate trends in stock price
- Trained a classification model to predict stock price trends with accuracy as an evaluation metric

Reddit Submission Analysis

- Cleaned and scraped submission data from subreddit group wallstreetbets
- Used MYSQL to store and query data
- Constructed a data pipeline from Reddit to streamlit to visualize the sum of mentions of each stock by day

Amazon TV Review Sentiment Analysis

- Cleaned and pre-processed text data using lemmatization and POS-tagging using spaCy
- Performed topic modeling using count-vectorizer and LDA to extract negatives of each product
- PyLDAvis was used for data visualization

New York Turnstile Data Analysis

- Analyzed the turnstile usage data of New York subway stations, for the client to maximize exposure for their new product
- Matplotlib and Seaborn was used to visualize the turnstile data- Pandas was used to determine the station with the highest incoming traffic

CONTACT

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SKILLS

LANGUAGES

Python

SQL

LIBRARIES

Pandas

Scikit-learn

Matplotlib

Numpy

BeautifulSoup

PySpark

MACHINE LEARNING

Regression

Classification

Natural Language

Processing

Clustering

DATA VISUALIZATION

Tableau

Streamlit