Chi Dao Lam

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Programming Languages

Python (pandas, NumPy, scikit-learn), R (Tidyverse, ggplot2), SQL, HTML, CSS

Technical Skills:

- Data Collection (Beautiful Soup, Selenium)
- Data Visualization (Matplotlib, Seaborn)
- Regression (linear, logistic, polynomial, random forest)
- Classification (K-NN, SVM, Naïve Bayes)
- Natural Language Processing
- Clustering (K-Means)
- Deep Learning (LSTM)
- Microsoft Office (Word, Excel, Access, PowerPoint)

Relevant-Coursework:

- Computational Modeling and Data Analysis
- Introduction to Data Science
- Probability and Statistics
- Statistical Methods
- Linear Algebra
- Calculus I-III

Languages:

English, Vietnamese, Chinese Mandarin

Experiences

Spartan Ambassador Internship Program/ *Student Ambassador*

October 2019 – May 2020, East Lansing, MI

Connected and built relationships with two major groups to promote Michigan State University with policymakers and stakeholders. I represented MSU students in the Census 2020 Community Outreach Committee to apply different approaches to promote the Census event to over 50,000 students. As a student board member on the Bailey Community Association, I defined and implemented solutions to many problems to ease the community's tension with the entire 63% of off-campus students.

Sacombank/ *Assistant of Business Department Head*

May 2019 – July 2019, Da Nang, Vietnam

Produced and organized weekly sales reports by analyzing department members' performances. I developed spreadsheet algorithms based on customer information to better assist in customer data management and increase department sales by 8%. By interacting and consulting with the bank's clients, I could ensure customers' satisfaction in the banking processes.

Projects

Improve Product Review System - GitHub

Improved the traditional product review system through text sentimental analysis and Natural Language Processing with a 63.96% accuracy score (using Log regression) and all AUC values above 0.75. By taking only the customer review comments of an Amazon's product as input, I created a sentiment detection algorithm to rate the product based on its comment. I also included topic modeling in this project to detect the general topics of what the reviews are about.

Stock Price Analysis and Prediction - GitHub

Created an artificial recurrent neural network, a stacked long short-term memory model, to predict HSBC Bank stock prices to make better buying/ selling decisions with root mean square error of 34.503. I also applied different logic into the model to make it predict the next 30 days of stock prices. I used Python to perform feature engineer and technical analysis on the stock.

Education

Michigan State University — Expected Graduation: May 2021

Bachelor of Arts, Statistics — Cumulative GPA: 3.59

Co-Curricular Activities

MSU Vietnamese Culture Union/ *President* — January 2020 – Present

Developed club structure and enhanced teamwork in areas such as communication.

MSU Data Science Club/ *Member* — August 2017 – May 2018

Practiced Python on tasks that real-life companies would use to solve problems.