JISU KIM

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TECHNICAL SKILLS

Python | Java | HTML | CSS | MATLAB | SQL | Linux/Unix | GitHub | Statistics | Probability | Data Visualization | Exploratory Data Analysis - EDA | Machine Learning | Scikit-learn | TensorFlow | Numpy | Matplotlib | Pandas | Seaborn | NLTK

PROJECTS

Implementing Unsupervised Learning Algorithms

COGS 118B Introduction to Machine Learning | San Diego, CA January 2022 - March 2022

- Written in Python, using Numpy, matplotlib.pyplot, and tensorflow libraries
- Implementing ML algorithms to visualize the clusters
- Fitting single and multivariate Bernoulli distribution on MNIST dataset
- Applying K Means to the dataset to cluster the digit images

Most common words on Amazon star ratings

COGS 118B Introduction to Machine Learning | San Diego, CA January 2022 - March 2022

- Written in Python, using Numpy, pandas, matplotlib.pyplot, scikit-learn, seaborn, and nltk libraries
- Claned comments data by dropping stop words using nltk library

Examining the Effects of COVID-19

COGS 108 Data Science in Practice | San Diego, CA January 2022 - March 2022

- Written in Python, using Numpy, pandas, math, matplotlib.pyplot, and seaborn libraries
- Evaluated analytical model findings on kaggle datasets
- Datasets were cleaned and usable after data wrangling steps were completed
- Cleaned datasets are displayed through data visualizations

Car Price Prediction

COGS 118A Supervised Machine Learning Algorithms| San Diego, CA April 2022 - June 2022

- Written in Python, using Numpy, pandas, matplotlib.pyplot, scikit-learn, and seaborn libraries
- Using SVM and logistic regression to predict the used car price
- Utilized label encoding and one hot encoding to transform the datasets

SCHOOL

University of California, San Diego | B.S. September 2019 - August 2022

Cognitive Science - Machine Learning and Neural Computation Major and Mathematics Minor