

Hursh Karkhanis

Data Analyst <> Machine Learning <> Data Visualization

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DATA ANALYSIS AND MACHINE LEARNING PROJECTS

Data Analysis and Visualization: Facebook Messenger Data

- Cleaned my FB Messenger .json data by using 'with(open)' loop and Pandas Python library
- Used seaborn library to visualize messages by hour of day, message totals per time slot, among others

Data Analysis and Visualization: Moderate States of America

- Queried MIT Election Lab Data with SQL and it cleaned with Python and Pandas library
- Used Plotly library to visualize county level election results in shades of purple, not just blue and red

Sentiment Analysis and Statistical Tests: 2020 Election Tweets

- Compared p-values to analyze change in sentiment for both candidates after Trump COVID diagnosis
- Ran two-tailed t-test tests and found a difference in means for sentiment for both Biden and Trump

Machine Learning + Linear Regression: Predicting IMDb Ratings

- One hot encoded features in data using pandas getdummies() function
- Ran IMDB data through various supervised learning models using sk-learn Python library

Classification and LSTM: Classifying Tweets by Sentiment

- Utilized TFIDF-Vectorizer to convert tweet text into a numpy array for classification models
- Trained sk-learn classification models using an AWS EC2 instance, highest accuracy score was 0.8

PROFESSIONAL EXPERIENCE

Web Assistant - USF Office of Marketing Communications 2016-2018

- Organized web traffic data for two college web pages using Drupal
- Presented data to marketing manager to track web page visibility

Financial Associate - Luba Designs 2018-2020

- Analyzed sales data of different shoe lines to evaluate performance
- Tracked monthly profit/loss results and collaborated with manager to plan future strategies

EDUCATION

University of San Francisco 2016-2020

Major: *Bachelors of Science Business Administration, Finance* with a minor in *Computer Science*

Galvanize Data Science 2020

Exploratory Data Analysis, Statistical Tests, Regression and Classification Machine Learning