EAS 508:
Project Proposal Outline:

Group #2

Objective: The aim of this project is to predict the effects of covid on the stock market values of Pfizer and AMC using sentiment analysis and LSTM.

Data: The data that we are planning to use for sentiment analysis would be gotten off the Twitter API. The dimensionality of the data would be large as we are processing the tweets. Also, the data for the stocks would be made available using the Yahoo finance API.

Project plan: We could number these down to –

1) EDA
2) Data Preprocessing
3) Vectorization
4) Classification Model
5) Evaluation
6) Conclusion

Challenges: Data preprocessing, lemmatization, modelling the sentiment score using the classification algorithms (Logistic regression / SVM)