

CS 410: Text Information Systems

Course Project Progress Report

Text Classification Competition: Twitter Sarcasm Detection

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1) Which tasks have been completed?

- Reading the tweets/response from the train and test file, cleaning the data and producing the proper training / testing vectors.
- Applying deep neural network (LSTM) on the training set and using the trained model to get the prediction for the test set.
- Achieved between 0.60 to 0.70 accuracy and f1 score on current progress, during multiple iteration.

2) Which tasks are pending?

- Fine tune the model implemented to get higher accuracy and f1 score to beat the benchmark.
- Document the approaches that was tried and the results that I got for the final report.
- Create final report / presentation to be submitted at the end of the project.

3) Are you facing any challenges

- Not a big issue, but training sometime takes longer time in my laptop so iterating through different ideas takes little bit longer time, especially if the parameter sets are in higher range.