Progress Report: Text Classification Competition: Twitter Sarcasm Detection

Group Name:
Text Dragons

Team members:
Chen Yuan (cheny9), Email: cheny9@illinois.edu
Sameer Phadnis (phadnis3) - **Team Leader,** Email: phadnis3@illinois.edu
Abhishek Shinde (ashinde2), Email: ashinde2@illinois.edu

Overview:
We will be joining the text classification competition. The object of the competition is to identify sarcasm from a set of Twitter responses. The given dataset is split into two: the train dataset (5000 observations) and the test dataset (1800 observations). For the training dataset, we are given the response (which is the Tweet to be classified), the context (which is the conversation of the context) and the label. We will be using the training dataset to build the models and making predictions based on the test set.

Tasks Completed:
So far we have outperformed the baseline model with only a few attempts. Models we have tried so far:
1. Fasttext (did not outperform the baseline)
2. RoBERTa + simple neural networks model (outperforms the baseline)

Tasks Pending:
1. Writing a documentation for our models
2. Organize and submit code

Challenges:
The challenge about computation power as indicated in the project proposal was addressed by using google colab. Therefore, there are no remaining challenges.