Progress Report

1) Progress made thus far

So far, I have developed two different text classification models. Initially, I created an iPython notebook that is used to run all of the code. Two different models are then trained on the datasets The first model is LSTM, which is an RNN, and the second model is BERT. Both of the architectures are implemented and are running in the iPython notebook. Currently, I am developing both of these models for the competition, and I will choose which one to submit based on which has the better results. Both models have been both pre-trained and trained on the provided training dataset. The model files are imported into the notebook and then run. I am currently using the pytorch data loader to run the datasets. Since I do not have a GPU, the models are being run on google colab.

2) Remaining tasks

I still need to pass the baseline accuracies. Each model still has to have its hyperparameters tuned to perform better on the test dataset. The architecture of the models may also have to be modified/developed if the resulting accuracy does not pass the baseline after some grid searching.

3) Any challenges/issues being faced

A challenge that I am currently facing is having the models not overfit the training data. Most overfitting must also be changed by reducing the model architecture, and having to change the provided BERT model is tedious.