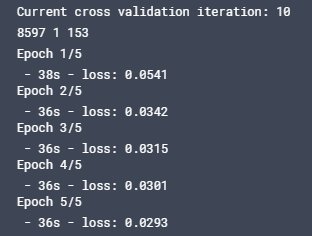
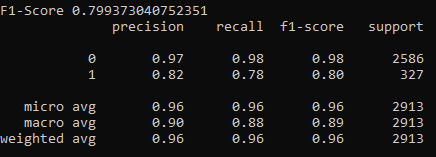
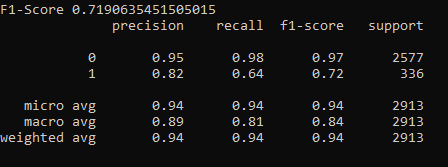
Training using CuDNNLSTM was slow for some reason

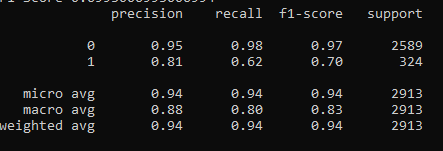


**GloVe MLP Neural Network Classifier**

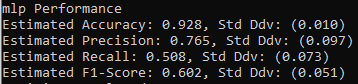
Comments filtered, w/o cross validation



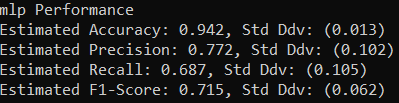




With Cross Validation (5 epochs)

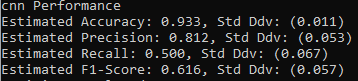


With Cross Validation (30 Epochs)

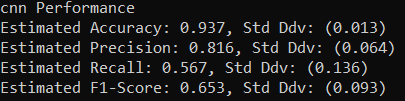


**GloVe CNN Classifier**

With Cross Validation (5 epochs)



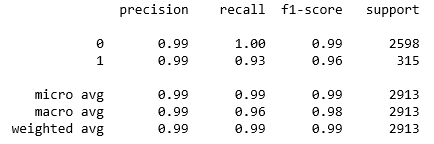
With Cross Validation (30 epochs)



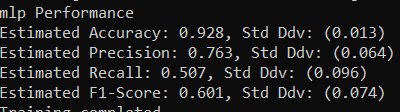
**Word2Vec (skipgram) MLP Neural Network Classifier**

518 features, including bag of words w/ stop words (variables and functions) removed:

Accuracy: 0.9909028492962582

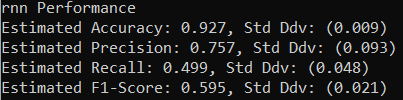


150 word2vec features, comments filtered



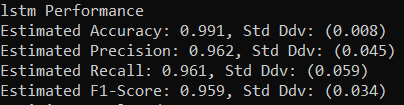
**Word2Vec (skipgram) RNN Classifier**

150 word2vec features, comments filtered

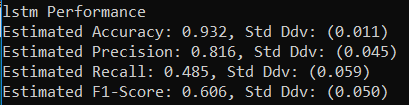


**Word2Vec (skipgram) LSTM Classifier**

150 word2vec features

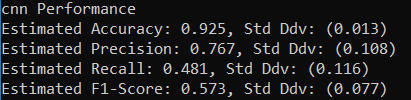


150 word2vec features, comments filtered



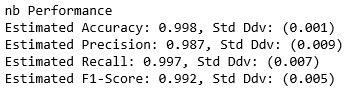
**Word2Vec (skipgram) CNN Classifier**

150 word2vec features, comments filtered

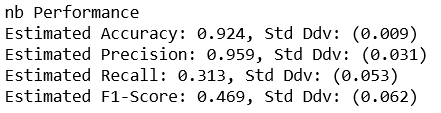


**Gaussian Naïve Bayes Classifier After Cross Validation**

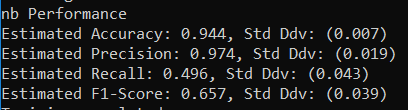
518 features, including bag of words w/ stop words (variables and functions) removed:



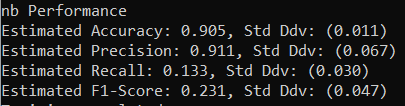
~500 features, did feature selection, including bag of words w/ stop words (variables and functions) removed:



~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

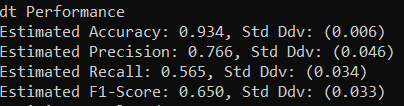


139 features, including bag of words (features only) w/ stop words (variables) removed:



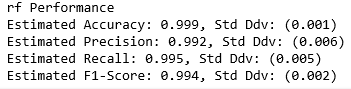
**Decision Tree Classifier After Cross Validation**

~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

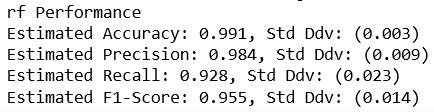


**Random Forest Classifier After Cross Validation**

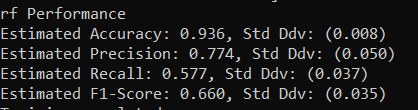
518 features, including bag of words w/ stop words (variables and functions) removed:



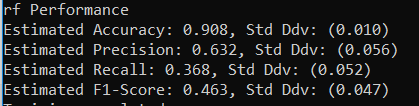
~500 features, did feature selection, including bag of words w/ stop words (variables and functions) removed:



~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

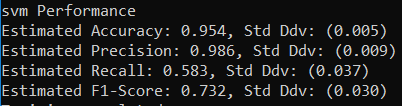


139 features, including bag of words (features only) w/ stop words (variables) removed:



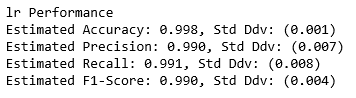
**SVM Classifier After Cross Validation**

~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

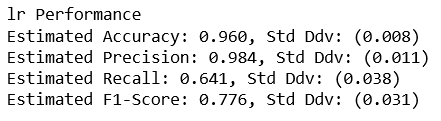


**Logistic Regression Classifier After Cross Validation**

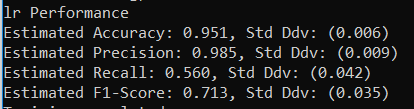
518 features, including bag of words w/ stop words (variables and functions) removed:



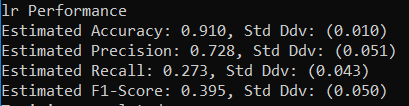
~500 features, did feature selection, including bag of words w/ stop words (variables and functions) removed:



~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

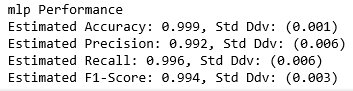


139 features, including bag of words (features only) w/ stop words (variables) removed:

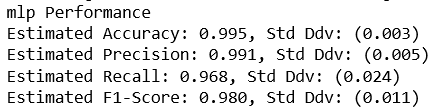


**MLP Classifier After Cross Validation**

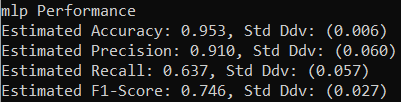
518 features, including bag of words w/ stop words (variables and functions) removed:



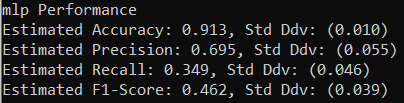
~500 features, did feature selection, including bag of words w/ stop words (variables and functions) removed:



~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

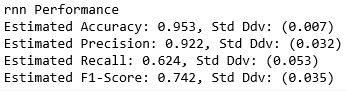


139 features, including bag of words (features only) w/ stop words (variables) removed:



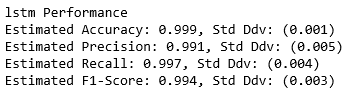
**RNN Classifier After Cross Validation**

~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

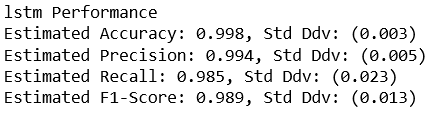


**LSTM Classifier After Cross Validation**

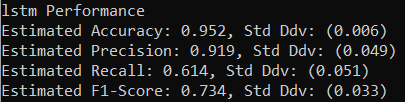
518 features, including bag of words w/ stop words (variables and functions) removed:



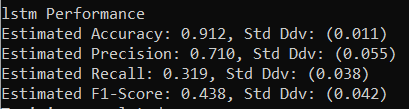
~500 features, did feature selection, including bag of words w/ stop words (variables and functions) removed:



~500 features, did feature selection, including bag of words w/ stop words (variables) removed. Filtered comments:

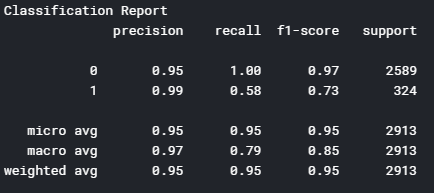


139 features, including bag of words (features only) w/ stop words (variables) removed:



**CNN (No Cross Validation Yet)**

518 features, bag of words, comments filtered



**CNN After Cross Validation**

518 features, bag of words, comments filtered

