Manual

Make sure all dependencies are installed by looking at the requirements.pdf file.

To run the BERT model first clone the repository: git clone https://github.com/Aadil151/Bug-Report-Classification.git

Then make sure in the root directory there is the 4 datasets. You can change the datasets that the model uses by changing line 167 in BERT_br_classifier.py and the hyperparameters in line 98.

Then run the command 'python BERT_br_classifier.py'

Wait for it to run and it should give you the file 'BERT_all_results.csv'.

Then run the command 'python br_classification.py' to run the baseline Naïve Bayes model.

Wait for it to run and it should give you the file 'NB_all_results.csv'

Then run the statistical tests by running the command 'python statistical_tests.py'

This should give you the file 'ttest_comparison_summary.csv' and a console output stating the statistic tests comparing both models.