**USER MANUAL**

1. Download the repository from GitHub.

2. Open ‘project’ folder and make sure the .json training and testing sets are downloaded.

3. The project needs python 2.7(tested on 2.7)/3.5, nltk, scikitlearn libraries

4. To run:

i. python getTrainFileCsv.py -> converts json train file to csv and stores it in train/ directory

ii. python getTestFileCsv.py -> converts json test file to csv and stores it in test/ directory

iii. python trainAndTestNaiveBayesUserDefined.py (Naïve Bayes User defined)

Above command Prompts user to enter-> Select 1 or 2

\*1-Predicts the review either positive or negative\* \*2- Predicts the review with a rating within [1-5]:

iv. python trainAndTestPredefined.py (Naïve Bayes, SVM Predefined)

Above command Prompts user to enter-> Select 1 or 2

\*1-Predicts the review either positive or negative\* \*2- Predicts the review with a rating within [1-5]:

Note: The dataset provided includes 20,000 reviews for training, 200 reviews for testing,

You can also test for more data provided you change the file path in getTestFileCsv.py

The tests are included in trainAndTestNaiveBayesUserDefined.py. The tests are based upon a sample test file – testSample.csv stored in test directory which shows the results at the end of the program execution along with prediction results.