**EVALUATION REPORT FOR THE CLASSIFIERS :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Classifier** | **Accuracy** | **F1-score[0]** | **F1-score[1]** |
| *Logistic Regression* | 0.8160000000000001 | 0.8188417909862544 | 0.8125206784662401 |
| *Support Vector Machine* | 0.8330000000000001 | 0.8216649854486192 | 0.8235056592858427 |
| *Nuclear SVM* | 0.771 | 0.7820069419796607 | 0.7578073042959579 |
| *Linear SVM* | 0.8290000000000001 | 0.8384895933316445 | 0.8387541516674775 |
| *Random Forest* | 0.709 | 0.7037946628516707 | 0.7121252871346366 |
| *Decision Tree* | 0.694 | 0.6792480754005502 | 0.7046406300132294 |
| *Naïve Bayes* | 0.771 | 0.7569689660834203 | 0.7814867081903334 |
| *Positive Naïve Bayes* | 0.7686520000000000 | 0.7420069419796607 | 0.7578073042959579 |
| *Stochastic Gradient Descent* | 0.82 | 0.8206480553574753 | 0.8183682435552522 |

\*classes positive(1) and negative (0) reviews