|  |  |  |  |
| --- | --- | --- | --- |
| **File** | **Total Recall** | **Precision** | **FMeasure** |
| Bayes.py | 9.99901126032 | 8.03333913255 | 8.90901318475 |
| Bayesbest.py | 9.99901272458 | 8.21369667348 | 9.01875788899 |

Overall, both files performed decently. Both had precision and f-measures of over 80 percent, and recalls were close to 100. bayesbest.py performed slightly better than bayes.py. Bayesbest.py performed better because we created a dictionary of both unigrams and bigrams when training, and when classifying, the test can look at both unigrams and bigrams for reference, as opposed to bayes.py, which only uses unigrams. To improve future performance, we can take into account other factors like length of the review, punctuation and caps lock.