|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Without Feature Selection | | Select Percentile | | Select From Model | | RFE | |
| Dimensions | (3279, 1559)  1559 - Features | | (3279, 15)  15 - Features | | (3279, 779)  779 - Features | | (3279, 15)  15 - Features | |
|  | **Percentage Accuracy** | | **Percentage Accuracy** | | **Percentage Accuracy** | | **Percentage Accuracy** | |
|  | Train | Test | Train | Test | Train | Test | Train | Test |
| KNN | - | 94 | - | 93 | - | 94 | - | 94 |
| Decision Tree | 91.8 | 91 | 98.1 | 96.7 | 98.3 | 97 | 98 | 97.1 |
| Random Forest | 100 | 97.4 | 98.6 | 96.6 | 100 | 97.4 | **99.3** | **97.3** |
| Naïve Bayes | 80.5 | 74.1 | 96.3 | 95.6 | 96.7 | 94.6 | 95.7 | 95.6 |
| SVM | 100 | 89 | 98.5 | 94 | 99.9 | 89.1 | 99.2 | 95.2 |