|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Machine Learning Algorithms | Default Machine Learning  (Components = 10) | ICA Default Machine Learning  (Components = 10) | PCA Default Machine Learning  (Components = 10) | TSNE Default Machine Learning  (Components = 3) |
| Decision Tree | 85.47% | 83.31% | 81.86% | 86.51% |
| KNeighborsClassifier | 89.51% | 90.16% | 90.48% | 88.53% |
| ExtraTreesClassifier | 93.55% | 93.08% | 91.93% | 89.95% |
| Random Forest | 93.29% | 92.52% | 91.04% | 89.81% |
| XGBoost | 88.53% | 87.99% | 85.92% | 83.98% |

**Accuracy Comparison Table**

**TSNE Training Time** = 15706.978743314743 Seconds

= 4.36 Hours