**Various performance metrics of different algorithms:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Accuracy**  **(In %)** | **Precision** | **Recall** | **F1 Score** | **F2 Score** | **ROC AUC Score** |
| Decision Tree | 92.73 | 100.00 | 0.8539 | 0.9212 | 0.8796 | 0.9253 |
| Random Forest | 96.08 | 100.00 | 0.9213 | 0.9590 | 0.9360 | 0.9872 |
| Logistic Regression | 88.26 | 0.9594 | 0.7977 | 0.8711 | 0.8255 | 0.9466 |
| Support Vector Machine | 93.29 | 100.00 | 0.8651 | 0.9277 | 0.8891 | 0.9568 |
| K Nearest Neighbor | 90.50 | 100.00 | 0.8089 | 0.8944 | 0.8411 | 0.9438 |
| Bagging | 95.53 | 100.00 | 0.9101 | 0.9529 | 0.9267 | 0.9786 |
| Adaboost | 93.29 | 100.00 | 0.8651 | 0.9277 | 0.8891 | 0.9365 |
| GBoost | 94.97 | 100.00 | 0.8988 | 0.9467 | 0.9174 | 0.9746 |

|  |  |  |
| --- | --- | --- |
|  | **Training acc** | **Testing acc** |
| **DT** | 99.72 | 92.73 |
| **RF** | 99.72 | 96.08 |
| **LR** | 93.07 | 88.26 |
| **SVM** | 97.22 | 93.29 |
| **KNN** | 95.84 | 90.50 |
| **Bagging** | 99.16 | 95.53 |
| **AdaBoost** | 99.72 | 93.29 |



