Performance Metrics of Classifiers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Classifier | Precision | Recall | F1 Score | Accuracy | AUC |
| Logistic regression | 0.78 | 0.77 | 0.77 | 77% | 0.88 |
| KNN | 0.78 | 0.76 | 0.76 | 76% | 0.85 |
| Random forest | 0.78 | 0.78 | 0.78 | 78% | 0.87 |
| Decision tree | 0.75 | 0.73 | 0.73 | 73% | 0.75 |
| Bagging | 0.80 | 0.79 | 0.79 | 79% | 0.87 |
| Adaboost | 0.79 | 0.78 | 0.78 | 78% | 0.85 |
| XGboost | 0.78 | 0.78 | 0.78 | 78% | 0.84 |
| Voting | 0.79 | 0.79 | 0.79 | 79% | 0.86 |
| SVM | 0.78 | 0.75 | 0.76 | 75% | 0.87 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Classifier | Precision | Recall | F1 Score | Accuracy | AUC |
| Logistic regression | 0.76 | 0.75 | 0.75 | 75% | 0.84 |
| KNN | 0.76 | 0.73 | 0.73 | 73% | 0.82 |
| Random forest | 0.76 | 0.76 | 0.76 | 76% | 0.84 |
| Decision tree | 0.81 | 0.72 | 0.72 | 72% | 0.78 |
| Bagging | 0.80 | 0.79 | 0.79 | 79% | 0.84 |
| AdaBoost | 0.75 | 0.76 | 0.76 | 76% | 0.84 |
| XGBoost | 0.81 | 0.81 | 0.81 | 81% | 0.84 |
| Voting | 0.77 | 0.77 | 0.77 | 77% | 0.84 |
| SVM | 0.78 | 0.78 | 0.77 | 78% | 0.83 |