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| --- | --- | --- | --- | --- | --- | --- | --- |
| α/α | Algorithm | Criterion | Max Depth | Accuracy | Precision | Recall | F1 |
| 1 | Decision Tree | Gini | 3 | 0.944056 | 0.967742 | 0.947368 | 0.957529 |
| 2 | Decision Tree | Gini | 6 | 0.930070 | 0.947368 | 0.947368 | 0.947368 |
| 3 | Decision Tree | Gini | 10 | 0.930070 | 0.947368 | 0.947368 | 0.947368 |
| 4 | Decision Tree | Entropy | 3 | 0.951049 | 0.940000 | 0.989474 | 0.964103 |
| 5 | Decision Tree | Entropy | 6 | 0.951049 | 0.968085 | 0.957895 | 0.962693 |
| 6 | Decision Tree | Entropy | 10 | 0.937063 | 0.9673691 | 0.936842 | 0.951872 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| α/α | Algorithm | Number of Estimators | Criterion | Accuracy | Precision | Recall | F1 |
| 1 | Random Forest | 10 | Gini | 0.951049 | 0.988095 | 0.932584 | 0.959538 |
| 2 | Random Forest | 10 | Entropy | 0.944056 | 0.976471 | 0.932584 | 0.954023 |
| 3 | Random Forest | 100 | Gini | 0.951049 | 0.976744 | 0.943820 | 0.960000 |
| 4 | Random Forest | 100 | Entropy | 0.937063 | 0.965116 | 0.932584 | 0.960000 |
| 5 | Random Forest | 200 | Gini | 0.951049 | 0.976744 | 0.943820 | 0.960000 |
| 6 | Random Forest | 200 | Entropy | 0.951049 | 0.965909 | 0.955056 | 0.960452 |