

Telco Dataset

Decision Tree

Performance Measure	Training	Testing
Accuracy	94.6133	73.8451
True positive rate	84.1333	42.2764
True negative rate	98.4242	85.0674
Positive predictive value	95.1017	50.1608
False discovery rate	4.8983	49.8392
F1 score	89.2819	45.8823

Adaboost

Number of boosting rounds	Training	Test
5	77.7813	77.9830
10	79.4722	79.9716
15	79.6776	80.6818
20	80.0569	80.5398

Adult Dataset

Decision Tree

Performance Measure	Training	Testing
Accuracy	90.411842388133	82.6853387384067
True positive rate	72.1591633720189	52.2100884035361
True negative rate	96.2014563106796	92.1109770808203
Positive predictive value	85.7662573897226	67.1796587487454
False discovery rate	14.2337	32.8204
F1 score	78.3765064413354	58.7564008778347

Adaboost

Number of boosting rounds	Training	Test
5	82.0060808943214	82.1755420428721
10	84.0176898743896	83.9383330262269
15	84.0883265255981	83.9567594128125
20	84.7394121802156	84.0550334746023

Credit Card Dataset

Decision Tree

Performance Measure	Training	Testing
Accuracy	99.6462	99.5364
True positive rate	85.5721	84.4444
True negative rate	100	99.8752
Positive predictive value	100	93.8272
False discovery rate	0	6.1728
F1 score	92.2252	88.88

Adaboost

Number of boosting rounds	Training	Test
5	99.2842	99.4146
10	99.2842	99.4146
15	99.2897	99.4146
20	99.2897	99.4146