Telco Dataset

Decision Tree (depth=7):

Performance measure	Training	Test
Accuracy	82.1511111111	77.6830135039090
True positive rate (sensitivity, recall, hit rate)	57.501652346331	48.5955056179775
True negative rate (specificity)	91.220817120622	87.5356803044719
Positive predictive value (precision)	70.674248578391	56.9078947368421
False discovery rate	29.325751421608	43.0921052631578
F1 score	63.411078717201	52.4242424242424

Telco Dataset

Adaboost:

Number of boosting rounds	Training	Test
5	77.2444444444444	77.3987206823027
10	77.884444444444	80.0995024875621
15	78.044444444444	78.9623312011371
20	78.3822222222222	79.0334044065384

Adult Dataset

Decision Tree (depth=8):

Performance measure	Training	Test
Accuracy	89.31587837837837	81.2192874692874
True positive rate (sensitivity, recall, hit rate)	71.10933758978452	59.9619289340101
True negative rate (specificity)	95.08163574786433	88.0064829821718
Positive predictive value (precision)	82.07442888725129	61.4834092387768
False discovery rate	17.92557111274871	38.5165907612231
F1 score	76.19943555973659	60.7131384516543

Adult Dataset

Adaboost:

Number of boosting rounds	Training	Test
5	82.88928132678133	82.81633906633907
10	83.43058968058969	83.26167076167076
15	84.04100122850123	83.66093366093365
20	84.06403562653563	84.30589680589681

Credit Card Dataset

Decision Tree (depth=8):

Performance measure	Training	Test
Accuracy	99.8125	99.825
True positive rate (sensitivity, recall, hit rate)	92.8753180661577	94.949494949494
True negative rate (specificity)	99.9871852373934	99.948731094591
Positive predictive value (precision)	99.4550408719346	97.916666666666
False discovery rate	0.54495912806539	2.0833333333333
F1 score	96.0526315789473	96.410256410256

Credit Card Dataset

Adaboost:

Number of boosting rounds	Training	Test
5	99.43125	99.625
10	99.6	99.75
15	99.55000000000001	99.75
20	99.4375	99.775