

1.

Telco Dataset:

Performance measure	Training	Test
Accuracy	73.6067	72.9403
True positive rate (sensitivity, recall, hit rate)	0.0672	0.0
True negative rate (specificity)	100.0	99.9027
Positive predictive value (precision)	100.0	0.0
False discovery rate	0.0	100.0
F1 score	0.1343	0.0

AdaBoost

Number of boosting rounds	Training	Test
5	76.3828	71.7035
10	76.3828	71.7035
15	76.3828	71.7035
20	76.3828	71.7035

2.

Adult Dataset:

Performance measure	Training	Test
Accuracy	81.4112	81.25
True positive rate (sensitivity, recall, hit rate)	95.5874	95.5822
True negative rate (specificity)	36.4204	37.25
Positive predictive value (precision)	82.6732	82.3828
False discovery rate	17.3267	17.6171
F1 score	88.6625	88.4930

### AdaBoost

Number of boosting rounds	Training	Test
5	84.7215	79.5743
10	84.7215	79.5743
15	84.7215	79.5743
20	84.7215	79.5743

3.

Fraud Dataset:

Performance measure	Training	Test
Accuracy	99.2069	95.5822
True positive rate (sensitivity, recall, hit rate)	76.0162	72.3828
True negative rate (specificity)	99.9245	88.8930
Positive predictive value (precision)	96.8911	96.5874
False discovery rate	3.1088	3.2047
F1 score	85.1936	85.6732

### AdaBoost

Number of boosting rounds	Training	Test
5	99.0087	94.8431
10	99.0087	94.8431
15	99.0087	94.8431
20	99.0087	94.8431