1.Telco Data

Performance	Training	Test
Accuracy	0.80	0.82
True positive rate (sensitivity, recall, hit rate)	0.5521996060407092	0.604
True negative rate (specificity)	0.8917538311846266	0.89087
Positive predictive value (precision)	.841	0.819
False discovery rate	.34	0.35
F1 score	.591	0.6229

2.Adult Data

Performance	Training	Test
Accuracy	0.2408	0.234
True positive rate (sensitivity, recall, hit rate)	1	1
True negative rate (specificity)	0	1
Positive predictive value (precision)	.24	0.23
False discovery rate	.759	0.763
F1 score	.388	0.38

3.CreditCard Data

Performance	Training	Test
Accuracy	0.990	0.991
True positive rate (sensitivity, recall, hit rate)	0.52	0.564
True negative rate (specificity)	0.998	0.998
Positive predictive value (precision)	.990	0.991
False discovery rate	.12	0.178
F1 score	.686	0.637

Adaboost:
Telco Data:

Number of Boosting Rounds	Training	Boosting
5	.800106515178413	.8004828173814256
10	.800106515178413	.801476853166714
15	.800106515178413	.7987787560352173
20	.800106515178413	.7997727918205055

Adult Data:

Number of Boosting Rounds	Training	Boosting
5	0.24	.7607
10	0.24	0.7596
15	0.24	0.7596
20	0.24	0.76

Credit Data:

Number of Boosting Rounds	Training	Boosting
5	0.991	0.172
10	0.991	0.172
15	0.991	0.172
20		

Run:
python3 1605097.py