

# Telco Dataset

## Decision Tree

Performance Measures	Training data	Testing data
Accuracy	94.32019879304224 %	70.61745919091554 %
True Positive Rate	88.3736559139785 %	47.76902887139108 %
True Negative Rate	96.45441389290883 %	79.08560311284046 %
Positive Predictive Value	89.94528043775651 %	45.843828715365234 %
False Discovery Rate	10.054719562243502 %	54.15617128463476 %
F1 Score	89.15254237288136 %	46.786632390745496 %

## Adaboost

Value of K	Training data	Testing data
5	77.65353212637558%	78.92122072391767%
10	79.020234291707%	78.9921930445032%
15	79.74795882144124%	79.4889992902768%
20	79.99645012424565%	79.4180269694819%

## Adult Dataset

### Decision Tree

Performance Measures	Training data	Testing data
Accuracy	91.27380221130221 %	76.18608935974206 %
True Positive Rate	78.01634353468995 %	51.6875 %
True Negative Rate	95.45110314535266 %	84.16446163240383 %
Positive Predictive Value	84.3847487001733 %	51.52647975077882 %
False Discovery Rate	15.61525129982669 %	48.47352024922119 %
F1 Score	81.07568062609275 %	51.60686427457099 %

### Adaboost

Value of K	Training data	Testing data
5	82.0485257985258%	81.83632734530939%
10	83.41523341523342%	83.14140948871488%
15	83.8835995085995%	83.75556579149394%
20	83.99877149877149%	83.92445877475816%

# Credit Card Dataset

## Decision Tree

Performance Measures	Training data	Testing data
Accuracy	99.96949917647775%	98.99975603805807 %
True Positive Rate	98.8009592326139 %	78.66666666666666 %
True Negative Rate	100.0 %	99.37872763419483 %
Positive Predictive Value	100.0 %	70.23809523809523 %
False Discovery Rate	0.0 %	29.761904761904763 %
F1 Score	99.3968636911942 %	74.21383647798741 %

## Adaboost

Value of K	Training data	Testing data
5	97.45623131824559%	98.17028543547207%
10	99.10937595315073%	99.12173700902659%
15	99.26798023546635%	99.41449133935106%
20	99.26798023546635%	99.390095145157355

