Confusion Matrix and Statistics

Reference

Prediction NonAPO APO

NonAPO 4244 108

APO 1572 1070

Accuracy : 0.7598

95% CI : (0.7496, 0.7698)

No Information Rate : 0.8316

P-Value [Acc > NIR] : 1

Kappa : 0.4266

Mcnemar's Test P-Value : <2e-16

Sensitivity : 0.9083

Specificity : 0.7297

Pos Pred Value : 0.4050

Neg Pred Value : 0.9752

Prevalence : 0.1684

Detection Rate : 0.1530

Detection Prevalence : 0.3778

Balanced Accuracy : 0.8190

'Positive' Class : APO

No pre-processing

Resampling: Cross-Validated (10 fold)

Summary of sample sizes: 20985, 20985, 20985, 20985, 20985, 20986, ...

Resampling results across tuning parameters:

cp Accuracy Kappa

0.001 0.8739978 0.45722299

0.002 0.8716816 0.42299238

0.003 0.8712097 0.41034932

0.004 0.8701375 0.40541678

0.005 0.8675214 0.37995920

0.006 0.8647336 0.35411476

0.007 0.8622892 0.33093651

0.008 0.8598446 0.30902652

0.009 0.8573143 0.28358166

0.010 0.8552986 0.27134731

0.011 0.8551271 0.27152192

0.012 0.8551271 0.27152192

0.013 0.8551271 0.27152192

0.014 0.8551271 0.27152192

0.015 0.8551271 0.27152192

0.016 0.8551271 0.27152192

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0.031 0.8551271 0.27152192

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0.033 0.8551271 0.27152192

0.034 0.8519967 0.23933418

0.035 0.8475799 0.18836418

0.036 0.8333410 0.02335491

0.037 0.8315392 0.00000000

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Accuracy was used to select the optimal model using the largest value.

The final value used for the model was cp = 0.001.