**C2T3-KNN Results**

**1) Training**

> KnnFit1

k-Nearest Neighbors

7501 samples

6 predictor

2 classes: '0', '1'

No pre-processing

Resampling: Cross-Validated (10 fold, repeated 10 times)

Summary of sample sizes: 6751, 6750, 6751, 6751, 6752, 6751, ...

Resampling results across tuning parameters:

k Accuracy Kappa

5 0.6806836 0.3171663

7 0.6856688 0.3278959

9 0.6954399 0.3488816

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

The final value used for the model was k = 9.

**2) Making Predictions**

> postResample(testPredKnn1, testing$brand)

Accuracy Kappa

0.6990796 0.3574957