Random Forest

13737 samples

52 predictor

5 classes: 'A', 'B', 'C', 'D', 'E'

No pre-processing

Resampling: Bootstrapped (25 reps)

Summary of sample sizes: 13737, 13737, 13737, 13737, 13737, 13737, ...

Resampling results across tuning parameters:

mtry Accuracy Kappa Accuracy SD Kappa SD

2 0.9885954 0.9855724 0.001620499 0.002057035

27 0.9881049 0.9849538 0.001579804 0.001996446

52 0.9786139 0.9729481 0.004758529 0.006016198

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

The final value used for the model was mtry = 2.

table(pred, trainingtest$classe)

pred A B C D E

A 1674 6 0 0 0

B 0 1132 15 0 0

C 0 1 1009 24 2

D 0 0 2 940 1

E 0 0 0 0 1079