Jason Melnik

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Extra Credit

The classification accuracy for the C50 decision tree is 90 percent while the randomForest tree is 93.47 percent which makes it the better tree to use. This wouldn’t be a good spam filter since even though it is 93 percent accurate it has a 3 percent chance for a false positive. This could cause problems for the user such if they get an important email and it gets placed in the spam folder without them knowing which causes them to miss it.