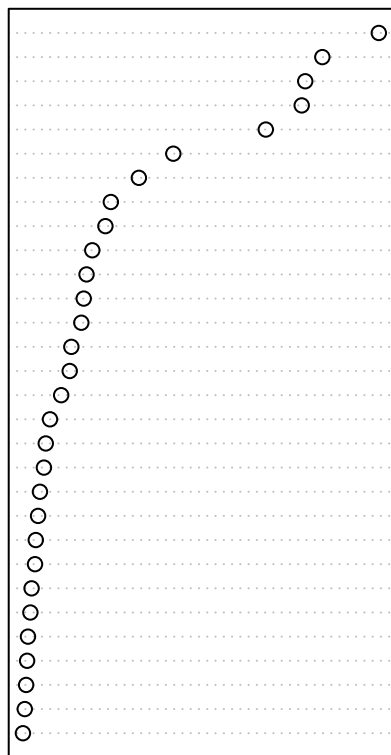


Importance Variables in the randomForest

tGravityAcc.mean.Y
angleY.gravityMean
tGravityAcc.min.Y
tGravityAcc.energy.Y
tGravityAcc.max.Y
tBodyAcc.correlation.X.Y
angleZ.gravityMean
tGravityAcc.sma
fBodyAccMag.std
tGravityAcc.max.Z
tGravityAcc.min.X
angleX.gravityMean
tGravityAcc.arCoeff.X.2
tBodyAcc.correlation.X.Z
tGravityAcc.arCoeff.Y.1
tGravityAcc.min.Z
fBodyAcc.bandsEnergy.1.8
tGravityAcc.arCoeff.Z.4
tGravityAcc.entropy.Y
tGravityAcc.arCoeff.Y.3
tGravityAcc.arCoeff.Y.2
tGravityAcc.mean.Z
fBodyGyro.maxInds.Z
fBodyGyro.std.X
tGravityAcc.arCoeff.Z.3
fBodyGyro.meanFreq.X
tGravityAcc.energy.X
tBodyGyro.entropy.X
tGravityAcc.mean.X
fBodyGyro.maxInds.X

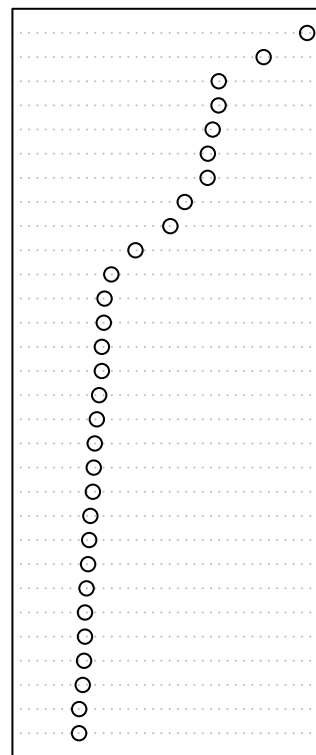


7 8 9 10 12

MeanDecreaseAccuracy

Figure 2

angleX.gravityMean
tGravityAcc.min.X
tGravityAcc.min.Y
tGravityAcc.energy.X
tGravityAcc.mean.X
tGravityAcc.mean.Y
angleY.gravityMean
tGravityAcc.max.Y
tGravityAcc.max.X
tGravityAcc.energy.Y
tBodyGyroJerk.iqr.Z
tBodyAccJerk.std.X
fBodyAccJerk.bandsEnergy.1.8
tGravityAcc.arCoeff.Y.1
tGravityAcc.max.Z
fBodyAccMag.mad
tBodyAcc.max.X
fBodyAcc.mean.X
angleZ.gravityMean
tGravityAcc.arCoeff.X.2
tGravityAcc.min.Z
tBodyGyroJerk.iqr.X
tGravityAcc.arCoeff.Z.3
tGravityAcc.entropy.Y
tBodyAccJerk.energy.X
fBodyAccMag.sma
fBodyAccJerk.bandsEnergy.1.16
fBodyAccJerk.max.X
fBodyAccMag.std
tGravityAcc.arCoeff.Y.2



0 50 150

MeanDecreaseGini

Figure 2