Figure 1. Classification Tree for Samsung Data (Training)

B < −0.689082

A = fBodyAccJerk−maxInds−X
B = fBodyAccJerk−std())−X
C = tGravityAcc−min()−X
D = tGravityAcc−max()−Y
E = tBodyAccMag−std()
F = tGravityAcc−arCoeff()−Y,2
G = tBodyGyro−arCoeff()−Y,1

C < 0.0961842

E < −0.0341204

F < 0.369187

G < −0.437136

A < −0.54

walkup   walkdown

laying

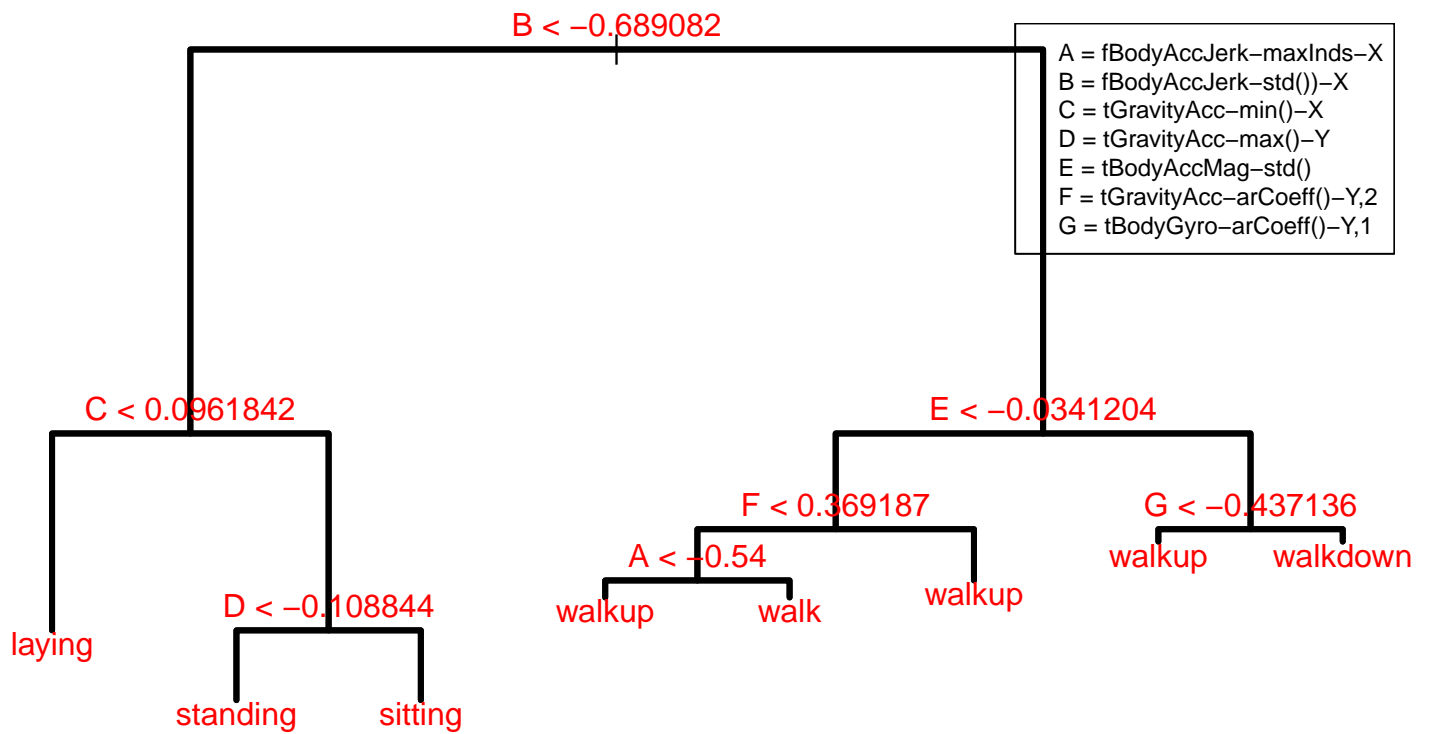D < −0.108844

walkup   walk

walkup

standing   sitting

Figure 2. Activity Type by Linear Acceleration (Train)

- laying
- sitting
- standing
- walk
- walkdown
- walkup

fBodyAccJerk−std()−X

fBodyAccJerk−maxInds−X