Getting and Cleaning Data

Programming Assignment Code Book

for Samsung Galaxy Fitness Tests

Subject:

1. The subject numbers correspond with the person who did the test. These numbers range from 1 – 30.

Activity:

1. The activities that were performed from the tests were 6 different actions. The activities and their labels respectively are:
   a. Walking -> walking
   b. Walking Upstairs -> wlk_upstrs
   c. Walking Downstairs -> wlk_dwnstrs
   d. Sitting -> sitting
   e. Standing -> standing
   f. Laying -> laying

Variable:

1. The variables in this data set represent the different measurement that was taken in these tests. XYZ all represent different directions. Only the mean and standard deviations (std) for each of these measurements were kept in the data set. Each of these labels are included .mean or .std before the dash to indicate the measurement shown followed by … and either X, Y or Z depending on the direction that was moved.
   a. tBodyAcc-XYZ
   b. tGravityAcc-XYZ
   c. tBodyAccJerk-XYZ
   d. tBodyGyro-XYZ
   e. tBodyGyroJerk-XYZ
   f. tBodyAccMag
   g. tGravityAccMag
   h. tBodyAccJerkMag
   i. tBodyGyroMag
   j. tBodyGyroJerkMag
   k. fBodyAcc-XYZ
   l. fBodyAccJerk-XYZ

m. fBodyGyro-XYZ
n. fBodyAccMag
o. fBodyAccJerkMag
p. fBodyGyroMag
q. fBodyGyroJerkMag

Measurement:

1. The measurement of the tidy data set is derived from the mean of multiple measurements of each subject and activity.