DATA DICTIONARY – Cleaning data assignment

set

defines whether the entry belongs to the training or the testing set

TRAIN

TEST

subject

subject id (from 1 to 30)

1 .Subject 1

2 .Subject 2

3 – 30 .Subjects from 3 to 30

activity

activity that was carried out

WALKING

WALKING_UPSTAIRS

WALKING_DOWNSTAIRS

SITTING

STANDING

LAYING

The next 69 variables (listed below) provide the means of the mean value of each signal, or the mean of the standard deviation of each signal, for each of the three axis (X, Y or Z).

For instance:
tBodyAcc.mean.X is the mean of the mean values of the signal tBodyAcc in the X axis.
tBodyAcc.std.Z is the mean of the SD values of the signal tBodyAcc in the Z axis.

Complete list of the rest of the variables in the tidy dataset:

tBodyAcc.mean.X
tBodyAcc.mean.Y
tBodyAcc.mean.Z
tBodyAcc.std.X
tBodyAcc.std.Y
tBodyAcc.std.Z
tGravityAcc.mean.X
tGravityAcc.mean.Y
tGravityAcc.mean.Z
tGravityAcc.std.X
tGravityAcc.std.Y
tGravityAcc.std.Z
tBodyAccJerk.mean.X
tBodyAccJerk.mean.Y
tBodyAccJerk.mean.Z

tBodyAccJerk.std.X
tBodyAccJerk.std.Y
tBodyAccJerk.std.Z
tBodyGyro.mean.X
tBodyGyro.mean.Y
tBodyGyro.mean.Z
tBodyGyro.std.X
tBodyGyro.std.Y
tBodyGyro.std.Z
tBodyGyroJerk.mean.X
tBodyGyroJerk.mean.Y
tBodyGyroJerk.mean.Z
tBodyGyroJerk.std.X
tBodyGyroJerk.std.Y
tBodyGyroJerk.std.Z
tBodyAccMag.mean
tBodyAccMag.std
tGravityAccMag.mean
tGravityAccMag.std
tBodyAccJerkMag.mean
tBodyAccJerkMag.std
tBodyGyroMag.mean
tBodyGyroMag.std
tBodyGyroJerkMag.mean
tBodyGyroJerkMag.std
fBodyAcc.mean.X
fBodyAcc.mean.Y
fBodyAcc.mean.Z
fBodyAcc.std.X
fBodyAcc.std.Y
fBodyAcc.std.Z
fBodyAccJerk.mean.X
fBodyAccJerk.mean.Y
fBodyAccJerk.mean.Z
fBodyAccJerk.std.X
fBodyAccJerk.std.Y
fBodyAccJerk.std.Z
fBodyGyro.mean.X
fBodyGyro.mean.Y
fBodyGyro.mean.Z
fBodyGyro.std.X
fBodyGyro.std.Y
fBodyGyro.std.Z
fBodyAccMag.mean
fBodyAccMag.std
fBodyBodyAccJerkMag.mean
fBodyBodyAccJerkMag.std
fBodyBodyGyroMag.mean

fBodyBodyGyroMag.std
fBodyBodyGyroJerkMag.mean
fBodyBodyGyroJerkMag.std