

tidy_data.txt Codebook

Activity_Name

Name of activity associated with measure. Possible values are :-

WALKING
WALKING_UPSTAIRS
WALKING_DOWNSTAIRS
SITTING
STANDING
LAYING

Subject_Id

The subject who performed the activity.

Its range is from 1 to 100, 1-30 from the training set, 31-100 from the test set.

Measures

The following is a list of measures contained in the data file.

They are calculated based on the mean grouped by Activity_Name and Subject_Id.

Where mean is shown in the name this is based on the original mean.

Where std is shown in the name this is based on the original standard deviation.

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
fBodyGyro_meanFreq_X
fBodyGyro_meanFreq_Y
fBodyGyro_meanFreq_Z
tBodyGyroJerk_mean_X
tBodyGyroJerk_mean_Y
tBodyGyroJerk_mean_Z
tBodyGyroJerk_std_X
tBodyGyroJerk_std_Y
tBodyGyroJerk_std_Z
tBodyAccMag_mean
tBodyAccMag_std
fBodyAccMag_meanFreq
tGravityAccMag_mean
tGravityAccMag_std
tBodyAccJerkMag_mean
tBodyAccJerkMag_std
fBodyBodyAccJerkMag_meanFreq
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
fBodyAcc_meanFreq_X
fBodyAcc_meanFreq_Y
fBodyAcc_meanFreq_Z
fBodyAccJerk_mean_X
fBodyAccJerk_mean_Y
fBodyAccJerk_mean_Z
fBodyAccJerk_std_X
fBodyAccJerk_std_Y
fBodyAccJerk_std_Z
fBodyAccJerk_meanFreq_X
fBodyAccJerk_meanFreq_Y
fBodyAccJerk_meanFreq_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
fBodyBodyGyroJerkMag_meanFreq
angle_tBodyAccJerkMean_gravityMean
angle_tBodyGyroMean_gravityMean
angle_tBodyGyroJerkMean_gravityMean
angle_X_gravityMean
angle_Y_gravityMean
angle_Z_gravityMean