Codebook

Sam Vennell

27 Aug 2016

CODEBOOK for "UCIHAR_meansd_avg.txt"

Data file located in the "dataoutput" directory

Sam Vennell - 27 Aug 2016

Each of the columns is described below with possible values listed.

subject_ID

The subject ID, as provided in the files "/test/subject_test.txt" and "/train/subject_test.txt" in the UCI HAR Dataset.

Has integer value, ranging from 1-30.

activity_ID

The activity ID, as provided in the files "/test/y_test.txt" and "/train/y_train.txt" in the UCI HAR Dataset.

Has integer value, ranging from 1-6, corresponding the activity descriptions (activitydesc):

1. WALKING
2. WALKING_UPSTAIRS
3. WALKING_DOWNSTAIRS
4. SITTING
5. STANDING
6. LAYING

activitydesc

The activity description corresponding to "activity_ID" above.

Values are those provided for activity_ID (eg "WALKING", "WALKING_UPSTAIRS" etc)

variable

The measured variable (mean or standard deviation) being averaged.

Possible values are:

angle(tBodyAccJerkMean),gravityMean)
angle(tBodyAccMean,gravity)
angle(tBodyGyroJerkMean,gravityMean)
angle(tBodyGyroMean,gravityMean)
angle(X,gravityMean)
angle(Y,gravityMean)
angle(Z,gravityMean)
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
fBodyAccMag-mean()
fBodyAccMag-std()
fBodyBodyAccJerkMag-mean()
fBodyBodyAccJerkMag-std()
fBodyBodyGyroJerkMag-mean()
fBodyBodyGyroJerkMag-std()
fBodyBodyGyroMag-mean()
fBodyBodyGyroMag-std()
fBodyGyro-mean()-X
fBodyGyro-mean()-Y
fBodyGyro-mean()-Z
fBodyGyro-std()-X
fBodyGyro-std()-Y
fBodyGyro-std()-Z
tBodyAcc-mean()-X
tBodyAcc-mean()-Y
tBodyAcc-mean()-Z
tBodyAcc-std()-X
tBodyAcc-std()-Y
tBodyAcc-std()-Z
tBodyAccJerk-mean()-X
tBodyAccJerk-mean()-Y
tBodyAccJerk-mean()-Z
tBodyAccJerk-std()-X
tBodyAccJerk-std()-Y
tBodyAccJerk-std()-Z
tBodyAccJerkMag-mean()
tBodyAccJerkMag-std()
tBodyAccMag-mean()
tBodyAccMag-std()
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
tBodyGyroJerkMag-mean()
tBodyGyroJerkMag-std()
tBodyGyroMag-mean()
tBodyGyroMag-std()
tGravityAcc-mean()-X
tGravityAcc-mean()-Y
tGravityAcc-mean()-Z
tGravityAcc-std()-X
tGravityAcc-std()-Y
tGravityAcc-std()-Z

tGravityAccMag-mean()
tGravityAccMag-std()

average

The average (mean) of the variable [which will itself by a mean or standard deviation of some measured quantity], for the given subject and activity.