

Codebook

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CODEBOOK for “UCIHAR_meansd_avg.txt”

Data file located in the “dataoutput” directory

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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

fBodyAcc.Jerk-std()-Y
 fBodyAcc.Jerk-std()-Z
 fBodyAccMag-mean()
 fBodyAccMag-std()
 fBodyBodyAcc.JerkMag-mean()
 fBodyBodyAcc.JerkMag-std()
 fBodyBodyGyro.JerkMag-mean()
 fBodyBodyGyro.JerkMag-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 be a mean or standard deviation of some measured quantity], for the given subject and activity.