

Data Dictionary

Subject: identifies the subject who performed the activity. Its range is from 1 to 30.

Activity: activity performed by the subject. Its value can be one of the following:

WALKING

WALKING_UPSTAIRS

WALKING_DOWNSTAIRS

SITTING

STANDING

LAYING

tBodyAcc-mean()-X: average of tBodyAcc-mean()-X for the subject and activity in original data set

tBodyAcc-mean()-Y: average of tBodyAcc-mean()-Y for the subject and activity in original data set

tBodyAcc-mean()-Z: average of tBodyAcc-mean()-Z for the subject and activity in original data set

tGravityAcc-mean()-X: average of tGravityAcc-mean()-X for the subject and activity in original data set

tGravityAcc-mean()-Y: average of tGravityAcc-mean()-Y for the subject and activity in original data set

tGravityAcc-mean()-Z: average of tGravityAcc-mean()-Z for the subject and activity in original data set

tBodyAccJerk-mean()-X: average of tBodyAccJerk-mean()-X for the subject and activity in original data set

tBodyAccJerk-mean()-Y: average of tBodyAccJerk-mean()-Y for the subject and activity in original data set

tBodyAccJerk-mean()-Z: average of tBodyAccJerk-mean()-Z for the subject and activity in original data set

tBodyGyro-mean()-X: average of tBodyGyro-mean()-X for the subject and activity in original data set

tBodyGyro-mean()-Y: average of tBodyGyro-mean()-Y for the subject and activity in original data set

tBodyGyro-mean()-Z: average of tBodyGyro-mean()-Z for the subject and activity in original data set

tBodyGyroJerk-mean()-X: average of tBodyGyroJerk-mean()-X for the subject and activity in original data set

tBodyGyroJerk-mean()-Y: average of tBodyGyroJerk-mean()-Y for the subject and activity in original data set

tBodyGyroJerk-mean()-Z: average of tBodyGyroJerk-mean()-Z for the subject and activity in original data set

tBodyAccMag-mean(): average of tBodyAccMag-mean() for the subject and activity in original data set

tGravityAccMag-mean(): average of tGravityAccMag-mean() for the subject and activity in original data set

tBodyAccJerkMag-mean(): average of tBodyAccJerkMag-mean() for the subject and activity in original data set

tBodyGyroMag-mean(): average of tBodyGyroMag-mean() for the subject and activity in original data set

tBodyGyroJerkMag-mean(): average of tBodyGyroJerkMag-mean() for the subject and activity in original data set

fBodyAcc-mean()-X: average of fBodyAcc-mean()-X for the subject and activity in original data set

fBodyAcc-mean()-Y: average of fBodyAcc-mean()-Y for the subject and activity in original data set

fBodyAcc-mean()-Z: average of fBodyAcc-mean()-Z for the subject and activity in original data set

fBodyAccJerk-mean()-X: average of fBodyAccJerk-mean()-X for the subject and activity in original data set

fBodyAccJerk-mean()-Y: average of fBodyAccJerk-mean()-Y for the subject and activity in original data set

fBodyAccJerk-mean()-Z: average of fBodyAccJerk-mean()-Z for the subject and activity in original data set

fBodyGyro-mean()-X: average of fBodyGyro-mean()-X for the subject and activity in original data set

fBodyGyro-mean()-Y: average of fBodyGyro-mean()-Y for the subject and activity in original data set

fBodyGyro-mean()-Z: average of fBodyGyro-mean()-Z for the subject and activity in original data set

fBodyAccMag-mean(): average of fBodyAccMag-mean() for the subject and activity in original data set

fBodyBodyAccJerkMag-mean(): average of fBodyBodyAccJerkMag-mean() for the subject and activity in original data set

fBodyBodyGyroMag-mean(): average of fBodyBodyGyroMag-mean() for the subject and activity in original data set

fBodyBodyGyroJerkMag-mean(): average of fBodyBodyGyroJerkMag-mean() for the subject and activity in original data set

tBodyAcc-std()-X: average of tBodyAcc-std()-X for the subject and activity in original data set

tBodyAcc-std()-Y: average of tBodyAcc-std()-Y for the subject and activity in original data set

tBodyAcc-std()-Z: average of tBodyAcc-std()-Z for the subject and activity in original data set

tGravityAcc-std()-X: average of tGravityAcc-std()-X for the subject and activity in original data set

tGravityAcc-std()-Y: average of tGravityAcc-std()-Y for the subject and activity in original data set

tGravityAcc-std()-Z: average of tGravityAcc-std()-Z for the subject and activity in original data set

tBodyAccJerk-std()-X: average of tBodyAccJerk-std()-X for the subject and activity in original data set

tBodyAccJerk-std()-Y: average of tBodyAccJerk-std()-Y for the subject and activity in original data set

tBodyAccJerk-std()-Z: average of tBodyAccJerk-std()-Z for the subject and activity in original data set

tBodyGyro-std()-X: average of tBodyGyro-std()-X for the subject and activity in original data set

tBodyGyro-std()-Y: average of tBodyGyro-std()-Y for the subject and activity in original data set

tBodyGyro-std()-Z: average of tBodyGyro-std()-Z for the subject and activity in original data set

tBodyGyroJerk-std()-X: average of tBodyGyroJerk-std()-X for the subject and activity in original data set

tBodyGyroJerk-std()-Y: average of tBodyGyroJerk-std()-Y for the subject and activity in original data set

tBodyGyroJerk-std()-Z: average of tBodyGyroJerk-std()-Z for the subject and activity in original data set

tBodyAccMag-std(): average of tBodyAccMag-std() for the subject and activity in original data set

tGravityAccMag-std(): average of tGravityAccMag-std() for the subject and activity in original data set

tBodyAccJerkMag-std(): average of tBodyAccJerkMag-std() for the subject and activity in original data set

tBodyGyroMag-std(): average of tBodyGyroMag-std() for the subject and activity in original data set

tBodyGyroJerkMag-std(): average of tBodyGyroJerkMag-std() for the subject and activity in original data set

fBodyAcc-std()-X: average of fBodyAcc-std()-X for the subject and activity in original data set

fBodyAcc-std()-Y: average of fBodyAcc-std()-Y for the subject and activity in original data set

fBodyAcc-std()-Z: average of fBodyAcc-std()-Z for the subject and activity in original data set

fBodyAccJerk-std()-X: average of fBodyAccJerk-std()-X for the subject and activity in original data set

fBodyAccJerk-std()-Y: average of fBodyAccJerk-std()-Y for the subject and activity in original data set

fBodyAccJerk-std()-Z: average of fBodyAccJerk-std()-Z for the subject and activity in original data set

fBodyGyro-std()-X: average of fBodyGyro-std()-X for the subject and activity in original data set

fBodyGyro-std()-Y: average of fBodyGyro-std()-Y for the subject and activity in original data set

fBodyGyro-std()-Z: average of fBodyGyro-std()-Z for the subject and activity in original data set

fBodyAccMag-std(): average of fBodyAccMag-std() for the subject and activity in original data set

fBodyBodyAccJerkMag-std(): average of fBodyBodyAccJerkMag-std() for the subject and activity in original data set

fBodyBodyGyroMag-std(): average of fBodyBodyGyroMag-std() for the subject and activity in original data set

fBodyBodyGyroJerkMag-std(): average of fBodyBodyGyroJerkMag-std() for the subject and activity in original data set

Please note that the original data set referred above is the data collected from the accelerometers from the Samsung Galaxy S smartphone and can be downloaded at

<https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip> .