

Code Book - Coursera getting and Cleaning data Assignment 4

run_analysis.R result dataset

Note: To see detail definitions of the measures, refer to the features_info.txt file include with the download here:

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

Variables and Descriptions

NAME	DESCRIPTION	TYPE
SUBJECT	Subject number (from subject_train.txt and subject_test.txt files	integer
ACTIVITY	activity description (from activity_label.txt file	String
TBODYACC-MEAN ()-X	mean tBodyAcc-mean ()-X (from X_test, X_train file data)	Double
TBODYACC-MEAN ()-Y	mean tBodyAcc-mean ()-Y (from X_test, X_train file data)	Double
TBODYACC-MEAN ()-Z	mean tBodyAcc-mean ()-Z (from X_test, X_train file data)	Double
TBODYACC-STD()-X	mean tBodyAcc-std()-X (from X_test, X_train file data)	Double
TBODYACC-STD()-Y	mean tBodyAcc-std()-Y (from X_test, X_train file data)	Double
TBODYACC-STD()-Z	mean tBodyAcc-std()-Z (from X_test, X_train file data)	Double
TGRAVITYACC-MEAN ()-X	mean tGravityAcc-mean ()-X (from X_test, X_train file data)	Double
TGRAVITYACC-MEAN ()-Y	mean tGravityAcc-mean ()-Y (from X_test, X_train file data)	Double
TGRAVITYACC-MEAN ()-Z	mean tGravityAcc-mean ()-Z (from X_test, X_train file data)	Double
TGRAVITYACC-STD()-X	mean tGravityAcc-std()-X (from X_test, X_train file data)	Double
TGRAVITYACC-STD()-Y	mean tGravityAcc-std()-Y (from X_test, X_train file data)	Double
TGRAVITYACC-STD()-Z	mean tGravityAcc-std()-Z (from X_test, X_train file data)	Double
TBODYACCJERK-MEAN ()-X	mean tBodyAccJerk-mean ()-X (from X_test, X_train file data)	Double
TBODYACCJERK-MEAN ()-Y	mean tBodyAccJerk-mean ()-Y (from X_test, X_train file data)	Double
TBODYACCJERK-MEAN ()-Z	mean tBodyAccJerk-mean ()-Z (from X_test, X_train file data)	Double
TBODYACCJERK-STD()-X	mean tBodyAccJerk-std()-X (from X_test, X_train file data)	Double
TBODYACCJERK-STD()-Y	mean tBodyAccJerk-std()-Y (from X_test, X_train file data)	Double
TBODYACCJERK-STD()-Z	mean tBodyAccJerk-std()-Z (from X_test, X_train file data)	Double
TBODYGYRO-MEAN ()-X	mean tBodyGyro-mean ()-X (from X_test, X_train file data)	Double
TBODYGYRO-MEAN ()-Y	mean tBodyGyro-mean ()-Y (from X_test, X_train file data)	Double
TBODYGYRO-MEAN ()-Z	mean tBodyGyro-mean ()-Z (from X_test, X_train file data)	Double
TBODYGYRO-STD()-X	mean tBodyGyro-std()-X (from X_test, X_train file data)	Double
TBODYGYRO-STD()-Y	mean tBodyGyro-std()-Y (from X_test, X_train file data)	Double
TBODYGYRO-STD()-Z	mean tBodyGyro-std()-Z (from X_test, X_train file data)	Double

NAME	DESCRIPTION	TYPE
TBODYGYROJERK-MEAN ()-X	mean tBodyGyroJerk-mean ()-X (from X_test, X_train file data)	Double
TBODYGYROJERK-MEAN ()-Y	mean tBodyGyroJerk-mean ()-Y (from X_test, X_train file data)	Double
TBODYGYROJERK-MEAN ()-Z	mean tBodyGyroJerk-mean ()-Z (from X_test, X_train file data)	Double
TBODYGYROJERK-STD()-X	mean tBodyGyroJerk-std()-X (from X_test, X_train file data)	Double
TBODYGYROJERK-STD()-Y	mean tBodyGyroJerk-std()-Y (from X_test, X_train file data)	Double
TBODYGYROJERK-STD()-Z	mean tBodyGyroJerk-std()-Z (from X_test, X_train file data)	Double
TBODYACCMAG-MEAN ()	mean tBodyAccMag-mean () (from X_test, X_train file data)	Double
TBODYACCMAG-STD()	mean tBodyAccMag-std() (from X_test, X_train file data)	Double
TGRAVITYACCMAG-MEAN ()	mean tGravityAccMag-mean () (from X_test, X_train file data)	Double
TGRAVITYACCMAG-STD()	mean tGravityAccMag-std() (from X_test, X_train file data)	Double
TBODYACCJERKMAG-MEAN ()	mean tBodyAccJerkMag-mean () (from X_test, X_train file data)	Double
TBODYACCJERKMAG-STD()	mean tBodyAccJerkMag-std() (from X_test, X_train file data)	Double
TBODYGYROMAG-MEAN ()	mean tBodyGyroMag-mean () (from X_test, X_train file data)	Double
TBODYGYROMAG-STD()	mean tBodyGyroMag-std() (from X_test, X_train file data)	Double
TBODYGYROJERKMAG-MEAN ()	mean tBodyGyroJerkMag-mean () (from X_test, X_train file data)	Double
TBODYGYROJERKMAG-STD()	mean tBodyGyroJerkMag-std() (from X_test, X_train file data)	Double
FBODYACC-MEAN ()-X	mean fBodyAcc-mean ()-X (from X_test, X_train file data)	Double
FBODYACC-MEAN ()-Y	mean fBodyAcc-mean ()-Y (from X_test, X_train file data)	Double
FBODYACC-MEAN ()-Z	mean fBodyAcc-mean ()-Z (from X_test, X_train file data)	Double
FBODYACC-STD()-X	mean fBodyAcc-std()-X (from X_test, X_train file data)	Double
FBODYACC-STD()-Y	mean fBodyAcc-std()-Y (from X_test, X_train file data)	Double
FBODYACC-STD()-Z	mean fBodyAcc-std()-Z (from X_test, X_train file data)	Double
FBODYACCJERK-MEAN ()-X	mean fBodyAccJerk-mean ()-X (from X_test, X_train file data)	Double
FBODYACCJERK-MEAN ()-Y	mean fBodyAccJerk-mean ()-Y (from X_test, X_train file data)	Double
FBODYACCJERK-MEAN ()-Z	mean fBodyAccJerk-mean ()-Z (from X_test, X_train file data)	Double
FBODYACCJERK-STD()-X	mean fBodyAccJerk-std()-X (from X_test, X_train file data)	Double
FBODYACCJERK-STD()-Y	mean fBodyAccJerk-std()-Y (from X_test, X_train file data)	Double
FBODYACCJERK-STD()-Z	mean fBodyAccJerk-std()-Z (from X_test, X_train file data)	Double
FBODYGYRO-MEAN ()-X	mean fBodyGyro-mean ()-X (from X_test, X_train file data)	Double
FBODYGYRO-MEAN ()-Y	mean fBodyGyro-mean ()-Y (from X_test, X_train file data)	Double
FBODYGYRO-MEAN ()-Z	mean fBodyGyro-mean ()-Z (from X_test, X_train file data)	Double
FBODYGYRO-STD()-X	mean fBodyGyro-std()-X (from X_test, X_train file data)	Double
FBODYGYRO-STD()-Y	mean fBodyGyro-std()-Y (from X_test, X_train file data)	Double

NAME	DESCRIPTION	TYPE
FBODYGYRO-STD()-Z	mean fBodyGyro-std()-Z (from X_test, X_train file data)	Double
FBODYACCMAG-MEAN ()	mean fBodyAccMag-mean () (from X_test, X_train file data)	Double
FBODYACCMAG-STD()	mean fBodyAccMag-std() (from X_test, X_train file data)	Double
FBODYBODYACCJERKMAG-MEAN ()	mean fBodyBodyAccJerkMag-mean () (from X_test, X_train file data)	Double
FBODYBODYACCJERKMAG-STD()	mean fBodyBodyAccJerkMag-std() (from X_test, X_train file data)	Double
FBODYBODYGYROMAG-MEAN ()	mean fBodyBodyGyroMag-mean () (from X_test, X_train file data)	Double
FBODYBODYGYROMAG-STD()	mean fBodyBodyGyroMag-std() (from X_test, X_train file data)	Double
FBODYBODYGYROJERKMAG-MEAN ()	mean fBodyBodyGyroJerkMag-mean () (from X_test, X_train file data)	Double
FBODYBODYGYROJERKMAG-STD()	mean fBodyBodyGyroJerkMag-std() (from X_test, X_train file data)	Double