# Code Book  - Coursera getting and Cleaning data Assignment

## Merge.R result dataset

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

(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_text.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 |
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| **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 |