

DATA DICTIONARY for TIDY_DATAFRAME.TXT

subject_no 2
 Identification of subject
 range 1...30

activity_label character
 activity of subject
 1 WALKING
 2 WALKING_UPSTAIRS
 3 WALKING_DOWNSTAIRS
 4 SITTING
 5 STANDING
 6 LAYING

tBodyAcc-mean()-X numeric
 subject-activity average of mean value of "time BodyAcc direction X"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAcc-mean()-Y numeric
 subject-activity average of mean value of "time BodyAcc direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAcc-mean()-Z numeric
 subject-activity average of mean value of "time BodyAcc direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAcc-std()-X numeric
 subject-activity average of standard deviation of "time BodyAcc direction X"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAcc-std()-Y numeric
 subject-activity average of standard deviation of "time BodyAcc direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAcc-std()-Z numeric
 subject-activity average of standard deviation of "time BodyAcc" direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tGravityAcc-mean()-X numeric
 subject-activity average of mean value of "time GravityAcc direction X"
 range within -1 to 1(more than 8 implied decimal places)

tGravityAcc-mean()-Y numeric
 subject-activity average of mean value of "time GravityAcc direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tGravityAcc-mean()-Z numeric
 subject-activity average of mean value of "time GravityAcc direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tGravityAcc-std()-X numeric
 subject-activity average of standard deviation of "time GravityAcc direction X"
 range within -1 to 1(more than 8 implied decimal places)

tGravityAcc-std()-Y numeric
 subject-activity average of standard deviation of "time GravityAcc direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tGravityAcc-std()-Z numeric
 subject-activity average of standard deviation of "time GravityAcc" direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerk-mean()-X numeric
 subject-activity average of mean value of "time BodyAccJerk direction X"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerk-mean()-Y numeric
 subject-activity average of mean value of "time BodyAccJerk direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerk-mean()-Z numeric
 subject-activity average of mean value of "time BodyAccJerk direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerk-std()-X numeric
 subject-activity average of standard deviation of "time BodyAccJerk direction X"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerk-std()-Y numeric
 subject-activity average of standard deviation of "time BodyAccJerk direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerk-std()-Z numeric
 subject-activity average of standard deviation of "time BodyAccJerk" direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyro-mean()-X numeric
 subject-activity average of mean value of "time BodyGyro direction X"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyro-mean()-Y numeric
 subject-activity average of mean value of "time BodyGyro direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyro-mean()-Z numeric
 subject-activity average of mean value of "time BodyGyro direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyro-std()-X numeric
 subject-activity average of standard deviation of "time BodyGyro direction X"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyro-std()-Y numeric
 subject-activity average of standard deviation of "time BodyGyro direction Y"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyro-std()-Z numeric
 subject-activity average of standard deviation of "time BodyGyro" direction Z"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyroJerk-mean()-X numeric
 subject-activity average of mean value of "time BodyGyroJerk direction X"
 range within -1 to 1(more than 8 implied decimal places)

tBodyGyroJerk-mean()-Y numeric

subject-activity average of mean value of "time BodyGyroJerk direction Y"
range within -1 to 1(more than 8 implied decimal places)

tBodyGyroJerk-mean()-Z numeric
subject-activity average of mean value of "time BodyGyroJerk direction Z"
range within -1 to 1(more than 8 implied decimal places)

tBodyGyroJerk-std()-X numeric
subject-activity average of standard deviation of "time BodyGyroJerk direction X"
range within -1 to 1(more than 8 implied decimal places)

tBodyGyroJerk-std()-Y numeric
subject-activity average of standard deviation of "time BodyGyroJerk direction Y"
range within -1 to 1(more than 8 implied decimal places)

tBodyGyroJerk-std()-Z numeric
subject-activity average of standard deviation of "time BodyGyroJerk" direction Z"
range within -1 to 1(more than 8 implied decimal places)

tBodyAccMag-mean() numeric
subject-activity average of mean value of "time BodyAccMag"
range within -1 to 1(more than 8 implied decimal places)

tBodyAccMag-std() numeric
subject-activity average of standard deviation of "time BodyAccMag"
range within -1 to 1(more than 8 implied decimal places)

tGravityAccMag-mean() numeric
subject-activity average of mean value of "time GravityAccMag"
range within -1 to 1(more than 8 implied decimal places)

tGravityAccMag-std() numeric
subject-activity average of standard deviation of "time GravityAccMag"
range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerkMag-mean() numeric
subject-activity average of mean value of "time BodyAccJerkMag"
range within -1 to 1(more than 8 implied decimal places)

tBodyAccJerkMag-std() numeric
subject-activity average of standard deviation of "time BodyAccJerkMag"
range within -1 to 1(more than 8 implied decimal places)

tBodyGyroMag-mean() numeric
subject-activity average of mean value of "time BodyGyroMag"
range within -1 to 1(more than 8 implied decimal places)

tBodyGyroMag-std() numeric
subject-activity average of standard deviation of "time BodyGyroMag"
range within -1 to 1(more than 8 implied decimal places)

tBodyGyroJerkMag-mean() numeric
subject-activity average of mean value of "time BodyGyroJerkMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyroJerkMag-std() numeric
subject-activity average of standard deviation of "time BodyGyroJerkMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyAcc-mean()-X numeric
subject-activity average of mean value of "frequency domain signal - BodyAcc direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAcc-mean()-Y numeric
subject-activity average of mean value of "frequency domain signal - BodyAcc direction Y"
range within -1 to 1(more than 8 implied decimal places)

fBodyAcc-mean()-Z numeric
subject-activity average of mean value of "frequency domain signal - BodyAcc direction Z"
range within -1 to 1(more than 8 implied decimal places)

fBodyAcc-std()-X numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAcc direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAcc-std()-Y numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAcc direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAcc-std()-Z numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAcc direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerk-mean()-X numeric
subject-activity average of mean value of "frequency domain signal - BodyAccJerk direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerk-mean()-Y numeric
subject-activity average of mean value of "frequency domain signal - BodyAccJerk direction Y"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerk-mean()-Z numeric
subject-activity average of mean value of "frequency domain signal - BodyAccJerk direction Z"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerk-std()-X numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAccJerk direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerk-std()-Y numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAccJerk direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerk-std()-Z numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAccJerk direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyro-mean()-X numeric
subject-activity average of mean value of "frequency domain signal - BodyGyro direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyro-mean()-Y numeric
subject-activity average of mean value of "frequency domain signal - BodyGyro direction Y"

range within -1 to 1(more than 8 implied decimal places)

fBodyGyro-mean()-Z numeric
subject-activity average of mean value of "frequency domain signal - BodyGyro direction Z"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyro-std()-X numeric
subject-activity average of standard deviation of "frequency domain signal - BodyGyro direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyro-std()-Y numeric
subject-activity average of standard deviation of "frequency domain signal - BodyGyro direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyro-std()-Z numeric
subject-activity average of standard deviation of "frequency domain signal - BodyGyro direction X"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccMag-mean() numeric
subject-activity average of mean value of "frequency domain signal - BodyAccMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccMag-std() numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAccMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerkMag-mean() numeric
subject-activity average of mean value of "frequency domain signal - BodyAccJerkMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyAccJerkMag-std() numeric
subject-activity average of standard deviation of "frequency domain signal - BodyAccJerkMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyroMag-mean() numeric
subject-activity average of mean value of "frequency domain signal - BodyGyroMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyroMag-std() numeric
subject-activity average of standard deviation of "frequency domain signal - BodyGyroMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyroJerkMag-mean() numeric
subject-activity average of mean value of "frequency domain signal - BodyGyroJerkMag"
range within -1 to 1(more than 8 implied decimal places)

fBodyGyroJerkMag-std() numeric
subject-activity average of standard deviation of "frequency domain signal - BodyGyroJerkMag"
range within -1 to 1(more than 8 implied decimal places)