

DATA DICTIONARY

MEASURE

factor variable that represent the mean or the standard deviation of one of the measurements described in the "features_info.txt" provided by the UCI HAR dataset:

"tBodyAccMeanX"
"tBodyAccMeanY"
"tBodyAccMeanZ"
"tGravityAccMeanX"
"tGravityAccMeanY"
"tGravityAccMeanZ"
"tBodyAccJerkMeanX"
"tBodyAccJerkMeanY"
"tBodyAccJerkMeanZ"
"tBodyGyroMeanX"
"tBodyGyroMeanY"
"tBodyGyroMeanZ"
"tBodyGyroJerkMeanX"
"tBodyGyroJerkMeanY"
"tBodyGyroJerkMeanZ"
"tBodyAccMagMean"
"tGravityAccMagMean"
"tBodyAccJerkMagMean"
"tBodyGyroMagMean"
"tBodyGyroJerkMagMean"
"fBodyAccMeanX"
"fBodyAccMeanY"
"fBodyAccMeanZ"
"fBodyAccJerkMeanX"
"fBodyAccJerkMeanY"
"fBodyAccJerkMeanZ"
"fBodyGyroMeanX"
"fBodyGyroMeanY"
"fBodyGyroMeanZ"
"fBodyAccMagMean"
"fBodyBodyAccJerkMagMean"
"fBodyBodyGyroMagMean"
"fBodyBodyGyroJerkMagMean"
"tBodyAccStdX"
"tBodyAccStdY"
"tBodyAccStdZ"
"tGravityAccStdX"
"tGravityAccStdY"
"tGravityAccStdZ"
"tBodyAccJerkStdX"
"tBodyAccJerkStdY"
"tBodyAccJerkStdZ"
"tBodyGyroStdX"
"tBodyGyroStdY"
"tBodyGyroStdZ"
"tBodyGyroJerkStdX"
"tBodyGyroJerkStdY"
"tBodyGyroJerkStdZ"
"tBodyAccMagStd"
"tGravityAccMagStd"
"tBodyAccJerkMagStd"
"tBodyGyroMagStd"
"tBodyGyroJerkMagStd"
"fBodyAccStdX"

```
"fBodyAccStdY"  
"fBodyAccStdZ"  
"fBodyAccJerkStdX"  
"fBodyAccJerkStdY"  
"fBodyAccJerkStdZ"  
"fBodyGyroStdX"  
"fBodyGyroStdY"  
"fBodyGyroStdZ"  
"fBodyAccMagStd"  
"fBodyBodyAccJerkMagStd"  
"fBodyBodyGyroMagStd"  
"fBodyBodyGyroJerkMagStd"
```

ACTIVITY

factor variable that represents one of the activities described in the "activity_labels.txt" file provided by the UCI CHAR dataset.

```
WALKING  
WALKING_UPSTAIRS  
WALKING_DOWNSTAIRS  
SITTING  
STANDING  
LAYING
```

SUBJECT

factor variable that represents one of the subjects who performed the activity. Its range is from 1 to 30.

AVG

the average of the measurements for each subject and each activity. It is important to note that before averaging the diferents measures were normalized and bounded within [-1,1].