**Identifiers:**

Subject

activity

**Activity Labels**

* WALKING (value 1): subject was walking during the test
* WALKING\_UPSTAIRS (value 2): subject was walking up a staircase during the test
* WALKING\_DOWNSTAIRS (value 3): subject was walking down a staircase during the test
* SITTING (value 4): subject was sitting during the test
* STANDING (value 5): subject was standing during the test
* LAYING (value 6): subject was laying down during the test

**Measurements**

* tBodyAcc-mean()-X
* tBodyAcc-mean()-Y
* tBodyAcc-mean()-Z
* tBodyAcc-std()-X
* tBodyAcc-std()-Y
* tBodyAcc-std()-Z
* tGravityAcc-mean()-X
* tGravityAcc-mean()-Y
* tGravityAcc-mean()-Z
* tGravityAcc-std()-X
* tGravityAcc-std()-Y
* tGravityAcc-std()-Z
* tBodyAccJerk-mean()-X
* tBodyAccJerk-mean()-Y
* tBodyAccJerk-mean()-Z
* tBodyAccJerk-std()-X
* tBodyAccJerk-std()-Y
* tBodyAccJerk-std()-Z
* tBodyGyro-mean()-X
* tBodyGyro-mean()-Y
* tBodyGyro-mean()-Z
* tBodyGyro-std()-X
* tBodyGyro-std()-Y
* tBodyGyro-std()-Z
* tBodyGyroJerk-mean()-X
* tBodyGyroJerk-mean()-Y
* tBodyGyroJerk-mean()-Z
* tBodyGyroJerk-std()-X
* tBodyGyroJerk-std()-Y
* tBodyGyroJerk-std()-Z
* tBodyAccMag-mean()
* tBodyAccMag-std()
* tGravityAccMag-mean()
* tGravityAccMag-std()
* tBodyAccJerkMag-mean()
* tBodyAccJerkMag-std()
* tBodyGyroMag-mean()
* tBodyGyroMag-std()
* tBodyGyroJerkMag-mean()
* tBodyGyroJerkMag-std()
* fBodyAcc-mean()-X
* fBodyAcc-mean()-Y
* fBodyAcc-mean()-Z
* fBodyAcc-std()-X
* fBodyAcc-std()-Y
* fBodyAcc-std()-Z
* fBodyAcc-meanFreq()-X
* fBodyAcc-meanFreq()-Y
* fBodyAcc-meanFreq()-Z
* fBodyAccJerk-mean()-X
* fBodyAccJerk-mean()-Y
* fBodyAccJerk-mean()-Z
* fBodyAccJerk-std()-X
* fBodyAccJerk-std()-Y
* fBodyAccJerk-std()-Z
* fBodyAccJerk-meanFreq()-X
* fBodyAccJerk-meanFreq()-Y
* fBodyAccJerk-meanFreq()-Z
* fBodyGyro-mean()-X
* fBodyGyro-mean()-Y
* fBodyGyro-mean()-Z
* fBodyGyro-std()-X
* fBodyGyro-std()-Y
* fBodyGyro-std()-Z
* fBodyGyro-meanFreq()-X
* fBodyGyro-meanFreq()-Y
* fBodyGyro-meanFreq()-Z
* fBodyAccMag-mean()
* fBodyAccMag-std()
* fBodyAccMag-meanFreq()
* fBodyBodyAccJerkMag-mean()
* fBodyBodyAccJerkMag-std()
* fBodyBodyAccJerkMag-meanFreq()
* fBodyBodyGyroMag-mean()
* fBodyBodyGyroMag-std()
* fBodyBodyGyroMag-meanFreq()
* fBodyBodyGyroJerkMag-mean()
* fBodyBodyGyroJerkMag-std()
* fBodyBodyGyroJerkMag-meanFreq()

mean(): Mean value

std(): Standard deviation

meanFreq(): Weighted average of the frequency components to obtain a mean frequency

Note the 'f' to indicate frequency domain signals. These signals were used to estimate variables of the feature vector for each pattern: '-XYZ' is used to denote 3-axial signals in the X, Y and Z directions.