UCI HAR Dataset

activity_label
: names of activities

subject
: subject number

tBodyAcc-mean()-X
: mean value of body linear acceleration in X direction in time domain

tBodyAcc-mean()-Y
: mean value of body linear acceleration in Y direction in time domain

tBodyAcc-mean()-Z
: mean value of body linear acceleration in Z direction in time domain

tBodyAcc-std()-X
: standard deviation of body linear acceleration in X direction in time domain

tBodyAcc-std()-Y
: standard deviation of body linear acceleration in Y direction in time domain

tBodyAcc-std()-Z
: standard deviation of body linear acceleration in Z direction in time domain

tGravityAcc-mean()-X
: mean value of gravity acceleration in X direction in time domain

tGravityAcc-mean()-Y
: mean value of gravity acceleration in Y direction in time domain

tGravityAcc-mean()-Z
: mean value of gravity acceleration in Z direction in time domain

tGravityAcc-std()-X
: standard deviation of gravity acceleration in X direction in time domain

tGravityAcc-std()-Y
: standard deviation of gravity acceleration in Y direction in time domain

tGravityAcc-std()-Z
: standard deviation of gravity acceleration in Z direction in time domain

tBodyAccJerk-mean()-X
: mean value of jerk linear acceleration in X direction in time domain

tBodyAccJerk-mean()-Y
: mean value of jerk linear acceleration in Y direction in time domain

tBodyAccJerk-mean()-Z
: mean value of jerk linear acceleration in Z direction in time domain

tBodyAccJerk-std()-X
: standard deviation of jerk linear acceleration in X direction in time domain

tBodyAccJerk-std()-Y
: standard deviation of jerk linear acceleration in Y direction in time domain

tBodyAccJerk-std()-Z
: standard deviation of jerk linear acceleration in Z direction in time domain

tBodyGyro-mean()-X
: mean value of body angular velocity in X direction in time domain

tBodyGyro-mean()-Y
: mean value of body angular velocity in Y direction in time domain

tBodyGyro-mean()-Z
: mean value of body angular velocity in Z direction in time domain

tBodyGyro-std()-X
: standard deviation of body angular velocity in X direction in time domain

tBodyGyro-std()-Y
: standard deviation of body angular velocity in Y direction in time domain

tBodyGyro-std()-Z
: standard deviation of body angular velocity in Z direction in time domain

tBodyGyroJerk-mean()-X
: mean value of jerk angular velocity in X direction in time domain

tBodyGyroJerk-mean()-Y
: mean value of jerk angular velocity in Y direction in time domain

tBodyGyroJerk-mean()-Z
: mean value of jerk angular velocity in Z direction in time domain

tBodyGyroJerk-std()-X
: standard deviation of jerk angular velocity in X direction in time domain

tBodyGyroJerk-std()-Y
: standard deviation of jerk angular velocity in Y direction in time domain

tBodyGyroJerk-std()-Z
: standard deviation of jerk angular velocity in Z direction in time domain

tBodyAccMag-mean()
: mean value of magnitude of body linear acceleration in time domain

tBodyAccMag-std()
: standard deviation of magnitude of body linear acceleration in time domain

tGravityAccMag-mean()
: mean value of magnitude of gravity acceleration in time domain

tGravityAccMag-std()
: standard deviation of magnitude of gravity acceleration in time domain

tBodyAccJerkMag-mean()
: mean value of magnitude of jerk linear acceleration in time domain

tBodyAccJerkMag-std()
: standard deviation of magnitude of jerk linear acceleration in time domain

tBodyGyroMag-mean()
mean value of magnitude of body angular velocity in time domain

tBodyGyroMag-std()
standard deviation of magnitude of body angular velocity in time domain

tBodyGyroJerkMag-mean()
mean value of magnitude of jerk angular velocity in time domain

tBodyGyroJerkMag-std()
standard deviation of magnitude of jerk angular velocity in time domain

fBodyAcc-mean()-X
mean value of body linear acceleration in X direction in frequency domain

fBodyAcc-mean()-Y
mean value of body linear acceleration in Y direction in frequency domain

fBodyAcc-mean()-Z
mean value of body linear acceleration in Z direction in frequency domain

fBodyAcc-std()-X
standard deviation of body linear acceleration in X direction in frequency domain

fBodyAcc-std()-Y
standard deviation of body linear acceleration in Y direction in frequency domain

fBodyAcc-std()-Z
standard deviation of body linear acceleration in Z direction in frequency domain

fBodyAccJerk-mean()-X
mean value of jerk linear acceleration in X direction in frequency domain

fBodyAccJerk-mean()-Y
mean value of jerk linear acceleration in Y direction in frequency domain

fBodyAccJerk-mean()-Z
mean value of jerk linear acceleration in Z direction in frequency domain

fBodyAccJerk-std()-X
standard deviation of jerk linear acceleration in X direction in frequency domain

fBodyAccJerk-std()-Y
standard deviation of jerk linear acceleration in Y direction in frequency domain

fBodyAccJerk-std()-Z
standard deviation of jerk linear acceleration in Z direction in frequency domain

fBodyGyro-mean()-X
mean value of body angular velocity in X direction in frequency domain

fBodyGyro-mean()-Y
mean value of body angular velocity in Y direction in frequency domain

fBodyGyro-mean()-Z
mean value of body angular velocity in Z direction in frequency domain

fBodyGyro-std()-X
standard deviation of body angular velocity in X direction in frequency domain

fBodyGyro-std()-Y
: standard deviation of body angular velocity in Y direction in frequency domain

fBodyGyro-std()-Z
: standard deviation of body angular velocity in Z direction in frequency domain

fBodyAccMag-mean()
: mean value of magnitude of body linear acceleration in frequency domain

fBodyAccMag-std()
: standard deviation of magnitude of body linear acceleration in frequency domain

fBodyAccJerkMag-mean()
: mean value of magnitude of jerk linear acceleration in frequency domain

fBodyAccJerkMag-std()
: standard deviation of magnitude of jerk linear acceleration in frequency domain

fBodyGyroMag-mean()
: mean value of magnitude of body angular velocity in frequency domain

fBodyGyroMag-std()
: standard deviation of magnitude of body angular velocity in frequency domain

fBodyGyroJerkMag-mean()
: mean value of magnitude of jerk angular velocity in frequency domain

fBodyGyroJerkMag-std()
: standard deviation of magnitude of jerk angular velocity in frequency domain