Run Analysis R Script - Codebook

=

"subject": ID of the 30 volunteers who participated into the experiment.

"activity": one of the six activities each volunteer performed.

* WALKING
* WALKING\_UPSTAIRS
* WALKING\_DOWNSTAIRS
* SITTING
* STANDING
* LAYING

Measurement variables of each activity for each volunteer:

"timeBodyAccelerometer-mean-X"

"timeBodyAccelerometer-mean-Y"

"timeBodyAccelerometer-mean-Z"

"timeBodyAccelerometer-std-X"

"timeBodyAccelerometer-std-Y"

"timeBodyAccelerometer-std-Z"

"timeGravityAccelerometer-mean-X"

"timeGravityAccelerometer-mean-Y"

"timeGravityAccelerometer-mean-Z"

"timeGravityAccelerometer-std-X"

"timeGravityAccelerometer-std-Y"

"timeGravityAccelerometer-std-Z"

"timeBodyAccelerometerJerk-mean-X"

"timeBodyAccelerometerJerk-mean-Y"

"timeBodyAccelerometerJerk-mean-Z"

"timeBodyAccelerometerJerk-std-X"

"timeBodyAccelerometerJerk-std-Y"

"timeBodyAccelerometerJerk-std-Z"

"timeBodyGyroscope-mean-X"

"timeBodyGyroscope-mean-Y"

"timeBodyGyroscope-mean-Z"

"timeBodyGyroscope-std-X"

"timeBodyGyroscope-std-Y"

"timeBodyGyroscope-std-Z"

"timeBodyGyroscopeJerk-mean-X"

"timeBodyGyroscopeJerk-mean-Y"

"timeBodyGyroscopeJerk-mean-Z"

"timeBodyGyroscopeJerk-std-X"

"timeBodyGyroscopeJerk-std-Y"

"timeBodyGyroscopeJerk-std-Z"

"timeBodyAccelerometerMagnitude-mean"

"timeBodyAccelerometerMagnitude-std"

"timeGravityAccelerometerMagnitude-mean"

"timeGravityAccelerometerMagnitude-std"

"timeBodyAccelerometerJerkMagnitude-mean"

"timeBodyAccelerometerJerkMagnitude-std"

"timeBodyGyroscopeMagnitude-mean"

"timeBodyGyroscopeMagnitude-std"

"timeBodyGyroscopeJerkMagnitude-mean"

"timeBodyGyroscopeJerkMagnitude-std"

"frequencyBodyAccelerometer-mean-X"

"frequencyBodyAccelerometer-mean-Y"

"frequencyBodyAccelerometer-mean-Z"

"frequencyBodyAccelerometer-std-X"

"frequencyBodyAccelerometer-std-Y"

"frequencyBodyAccelerometer-std-Z"

"frequencyBodyAccelerometerJerk-mean-X"

"frequencyBodyAccelerometerJerk-mean-Y"

"frequencyBodyAccelerometerJerk-mean-Z"

"frequencyBodyAccelerometerJerk-std-X"

"frequencyBodyAccelerometerJerk-std-Y"

"frequencyBodyAccelerometerJerk-std-Z"

"frequencyBodyGyroscope-mean-X"

"frequencyBodyGyroscope-mean-Y"

"frequencyBodyGyroscope-mean-Z"

"frequencyBodyGyroscope-std-X"

"frequencyBodyGyroscope-std-Y"

"frequencyBodyGyroscope-std-Z"

"frequencyBodyAccelerometerMagnitude-mean"

"frequencyBodyAccelerometerMagnitude-std"

"frequencyBodyAccelerometerJerkMagnitude-mean"

"frequencyBodyAccelerometerJerkMagnitude-std"

"frequencyBodyGyroscopeMagnitude-mean"

"frequencyBodyGyroscopeMagnitude-std"

"frequencyBodyGyroscopeJerkMagnitude-mean"

"frequencyBodyGyroscopeJerkMagnitude-std"