Only mean and standard deviation of the sensor signals were used in calculations. That is, the resultant values provided in the output script are the **mean values of mean and standard deviation** values from the original data set. The mean value of the variable is calculated for each participant for each one of the six activities performed.

Column Names (81 columns)

"subject" – ID number of the experiment participant. There were 30 participants of the experiment.

"activity" – activities performed by each person:
`WALKING, WALKING_UPSTAIRS, WALKING_DOWNSTAIRS, SITTING, STANDING, LAYING`

The following values (attributes) are captured and transformed in the dataset:

Time domain signals [Hz]

```
"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()"
```

Frequency domain signals [Hz] - transformed using a Fast Fourier Transform

```
"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()"
```