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()"
```