CodeBook

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Data Dictionary

subject - subject of experiment: there were 30 subjects (volunteers) numbered 1 to 30

activity - activity of experiment: there were 6 different activities carried out

```
1 WALKING
2 WALKING_UPSTAIRS
3 WALKING_DOWNSTAIRS
4 SITTING
5 STANDING
6 LAYING
```

Feature Fields: the following variables are either the mean or standard deviation of measurements taken in the X, Y or Z directions

```
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
fBodyAccJerk_mean_X
fBodyAccJerk_mean_Y
fBodyAccJerk_mean_Z
fBodyAccJerk_std_X
fBodyAccJerk_std_Y
fBodyAccJerk_std_Z
fBodyGyro_mean_X
fBodyGyro_mean_Y
fBodyGyro_mean_Z
fBodyGyro_std_X
fBodyGyro_std_Y
fBodyGyro_std_Z
fBodyAccMag_mean
fBodyAccMag_std
fBodyBodyAccJerkMag_mean
fBodyBodyAccJerkMag_std
fBodyBodyGyroMag_mean
fBodyBodyGyroMag_std
fBodyBodyGyroJerkMag_mean
fBodyBodyGyroJerkMag_std
```