Code Book
'activity names' -- six activities (WALKING, WALKING_UPSTAIRS, WALKING_DOWNSTAIRS, SITTING, STANDING, LAYING)
'subject' -- ID of volunteers who participate the experiments

The meanings of symbols in column name of column 3-68 are as follows:

't' -- time domain signals
'f' -- frequency domain signals
'Body'-- body
'Gyro' -- gyroscope
'Gravity' --gravity
'-XYZ' -- denoting 3-axial signals in the X,Y, and Z directions
'Acc' -- denoting acceleration raw signals.
'Gyro'-- denoting gyroscope raw signals
'Jerk'-- denoting Jerk signals
'Mag'-- magnitude of the three-dimensional signals

The meanings of combination of these symbols are as follows:

'tBodyAcc-XYZ' -- time to obtain body accelerometer 3-axial raw signals
'tGravityAcc-XYZ' -- time to obtain gravity acceleration 3-axial raw signals
'tBodyAccJerk-XYZ' -- time to obtain body linear acceleration 3-axial Jerk signals
'tBodyGyro-XYZ' -- time to obtain body gyroscope 3-axial raw signals
'tBodyGyroJerk-XYZ' -- time to obtain angular velocity 3-axial Jerk signals
'tBodyAccMag' -- magnitude of body accelerometer 3-axial raw signals
'tGravityAccMag' -- magnitude of gravity acceleration 3-axial raw signals
'tBodyAccJerkMag' -- magnitude of body linear acceleration 3-axial Jerk signals
'tBodyGyroMag' -- magnitude of body gyroscope 3-axial raw signals
'tBodyGyroJerkMag' -- magnitude of angular velocity 3-axial Jerk signals
'fBodyAcc-XYZ' --- frequency domain signals of body accelerometer 3-axial raw signals
'fBodyAccJerk-XYZ' --frequency domain signals of body linear acceleration 3-axial Jerk signals
'fBodyGyro-XYZ' --frequency domain signals of body gyroscope 3-axial raw signals
'fBodyAccMag' --frequency domain signals of magnitude of body accelerometer 3-axial raw signals
'fBodyAccJerkMag' --frequency domain signals of magnitude of body linear acceleration 3-axial Jerk signals
'fBodyGyroMag' --frequency domain signals of magnitude of body gyroscope 3-axial raw signals
'fBodyGyroJerkMag' --frequency domain signals of magnitude of angular velocity 3-axial Jerk signals

The set of variables that were estimated from these signals are:
'mean()'- mean value

'std()' - standard deviation