Summary Data Set: This data frame summarizes following variables which were data collected from the accelerometers from the Samsung Galaxy S smartphone for advance analysis.

1. **Group.1:** This numerical variable contains subject information. The valid values are in the range of 1-30.
2. **Group.2:** This categorical variable contains information about activity data. The valid values are as following.
   > WALKING
   > WALKING_UPSTAIRS
   > WALKING_DOWNSTAIRS
   > SITTING
   > STANDING
   > LAYING
3. Subject: Similar to the variable 1.
4. Activity Type: Similar to the variable 2.
5. All the following variables are of numerical type containing mean, or standard deviation information of the underlying raw data variables.
   - tBodyAcc-mean()-X
   - tBodyAcc-mean()-Y
   - tBodyAcc-mean()-Z
   - tGravityAcc-mean()-X
   - tGravityAcc-mean()-Y
   - tGravityAcc-mean()-Z
   - tBodyAccJerk-mean()-X
   - tBodyAccJerk-mean()-Y
   - tBodyAccJerk-mean()-Z
   - tBodyGyro-mean()-X
   - tBodyGyro-mean()-Y
   - tBodyGyro-mean()-Z
   - tBodyGyroJerk-mean()-X
   - tBodyGyroJerk-mean()-Y
   - tBodyGyroJerk-mean()-Z
   - tBodyAccMag-mean()
   - tGravityAccMag-mean()
   - tBodyAccJerkMag-mean()
   - tBodyGyroMag-mean()
   - tBodyGyroJerkMag-mean()
   - fBodyAcc-mean()-X
   - fBodyAcc-mean()-Y
   - fBodyAcc-mean()-Z
   - fBodyAcc-meanFreq()-X

- fBodyAcc-meanFreq()-Y
- fBodyAcc-meanFreq()-Z
- fBodyAccJerk-mean()-X
- fBodyAccJerk-mean()-Y
- fBodyAccJerk-mean()-Z
- fBodyAccJerk-meanFreq()-X
- fBodyAccJerk-meanFreq()-Y
- fBodyAccJerk-meanFreq()-Z
- fBodyGyro-mean()-X
- fBodyGyro-mean()-Y
- fBodyGyro-mean()-Z
- fBodyGyro-meanFreq()-X
- fBodyGyro-meanFreq()-Y
- fBodyGyro-meanFreq()-Z
- fBodyAccMag-mean()
- fBodyAccMag-meanFreq()
- fBodyBodyAccJerkMag-mean()
- fBodyBodyAccJerkMag-meanFreq()
- fBodyBodyGyroMag-mean()
- fBodyBodyGyroMag-meanFreq()
- fBodyBodyGyroJerkMag-mean()
- fBodyBodyGyroJerkMag-meanFreq()
- tBodyAcc-std()-X
- tBodyAcc-std()-Y
- tBodyAcc-std()-Z
- tGravityAcc-std()-X
- tGravityAcc-std()-Y
- tGravityAcc-std()-Z
- tBodyAccJerk-std()-X
- tBodyAccJerk-std()-Y
- tBodyAccJerk-std()-Z
- tBodyGyro-std()-X
- tBodyGyro-std()-Y
- tBodyGyro-std()-Z
- tBodyGyroJerk-std()-X
- tBodyGyroJerk-std()-Y
- tBodyGyroJerk-std()-Z
- tBodyAccMag-std()
- tGravityAccMag-std()
- tBodyAccJerkMag-std()

- tBodyGyroMag-std()
- tBodyGyroJerkMag-std()
- fBodyAcc-std()-X
- fBodyAcc-std()-Y
- fBodyAcc-std()-Z
- fBodyAccJerk-std()-X
- fBodyAccJerk-std()-Y
- fBodyAccJerk-std()-Z
- fBodyGyro-std()-X
- fBodyGyro-std()-Y
- fBodyGyro-std()-Z
- fBodyAccMag-std()
- fBodyBodyAccJerkMag-std()
- fBodyBodyGyroMag-std()
- fBodyBodyGyroJerkMag-std()