DATA DICTIONARY – TIDY DATA SET (HUMAN ACTIVITY RECOGNITION USING SMARTPHONES)

(WEEK 2 PROGRAMMING ASSIGNMENT OF GETTING CLEANING DATA)

1. SubjectID
   1. Value ranges from 1-30 for every subject(person) that took part in the experiment
2. ActivityCode – Code for every activity that was recorded
   1. 1
   2. 2
   3. 3
   4. 4
   5. 5
   6. 6
3. ActivityDescription
   1. WALKING
   2. WALKING\_UPSTAIRS
   3. WALKING\_DOWNSTAIRS
   4. SITTING
   5. STANDING
   6. LAYING

4)"fBodyAcc-mean()-X" - Mean of the Body Acceleration along x-axis

5) "fBodyAcc-mean()-Y"

[5] "fBodyAcc-mean()-Z" "fBodyAcc-std()-X" "fBodyAcc-std()-Y"

[9] "fBodyAcc-std()-Z" "fBodyAccJerk-mean()-X" "fBodyAccJerk-mean()-Y" "fBodyAccJerk-mean()-Z"

[13] "fBodyAccJerk-std()-X" "fBodyAccJerk-std()-Y" "fBodyAccJerk-std()-Z" "fBodyAccMag-mean()"

[17] "fBodyAccMag-std()" "fBodyBodyAccJerkMag-mean()" "fBodyBodyAccJerkMag-std()" "fBodyBodyGyroJerkMag-mean()"

[21] "fBodyBodyGyroJerkMag-std()" "fBodyBodyGyroMag-mean()" "fBodyBodyGyroMag-std()" "fBodyGyro-mean()-X"

[25] "fBodyGyro-mean()-Y" "fBodyGyro-mean()-Z" "fBodyGyro-std()-X" "fBodyGyro-std()-Y"

[29] "fBodyGyro-std()-Z" "tBodyAcc-mean()-X" "tBodyAcc-mean()-Y" "tBodyAcc-mean()-Z"

[33] "tBodyAcc-std()-X" "tBodyAcc-std()-Y" "tBodyAcc-std()-Z" "tBodyAccJerk-mean()-X"

[37] "tBodyAccJerk-mean()-Y" "tBodyAccJerk-mean()-Z" "tBodyAccJerk-std()-X" "tBodyAccJerk-std()-Y"

[41] "tBodyAccJerk-std()-Z" "tBodyAccJerkMag-mean()" "tBodyAccJerkMag-std()" "tBodyAccMag-mean()"

[45] "tBodyAccMag-std()" "tBodyGyro-mean()-X" "tBodyGyro-mean()-Y" "tBodyGyro-mean()-Z"

[49] "tBodyGyro-std()-X" "tBodyGyro-std()-Y" "tBodyGyro-std()-Z" "tBodyGyroJerk-mean()-X"

[53] "tBodyGyroJerk-mean()-Y" "tBodyGyroJerk-mean()-Z" "tBodyGyroJerk-std()-X" "tBodyGyroJerk-std()-Y"

[57] "tBodyGyroJerk-std()-Z" "tBodyGyroJerkMag-mean()" "tBodyGyroJerkMag-std()" "tBodyGyroMag-mean()"

[61] "tBodyGyroMag-std()" "tGravityAcc-mean()-X" "tGravityAcc-mean()-Y" "tGravityAcc-mean()-Z"

[65] "tGravityAcc-std()-X" "tGravityAcc-std()-Y" "tGravityAcc-std()-Z" "tGravityAccMag-mean()"

[69] "tGravityAccMag-std()"