**Description of tidydata.txt:**

Tidy data contains 180 rows and 68 columns and only all the variables estimated from mean and standard deviation were kept.

The data were averaged based on subject and activity group:

* The tidy data contains 180 rows based on each subject and activity pair.

Subject column is numbered sequentially from 1 to 30. Activity column has 6 types: WALKING, WALKING\_UPSTAIRS, WALKING\_DOWNSTAIRS, SITTING, STANDING, LAYING

* The tidy data contains 68 columns (66 variables and activity labels).
* "activitylabel"
* "subject"
* "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()"