This code book provide description and explanation for run_analysis.R file base on the dataset UCI HAR Dataset

Variable description:

```
features: from features.txt. List of all features coming from come from the
accelerometer and gyroscope 3-axial raw signals tAcc-XYZ and tGyro-XYZ.
x test: from test/X test.txt. Test set.
y test: from test/y test.txt. Test labels.
x train: from train/X train.txt. Training set.
y train: from train/y train.txt. Training labels.
subject train: from train/subject train.txt. Each row identifies the subject who
performed the activity for each window sample. Its range is from 1 to 30.
subject test: from test/subject test.txt. Contains subject test data.
x data: merged data sets from x test and x label
y data: merged data labels from y test and y label
subject data: merged data for subject training and test from subject train and
subject test
merged data: final merged data from x data, y data, and subject data.
step2data: subset of merged-data after extracting only the measurements on the
mean and standard deviation for each measurement.
activity labels: from activity labels.txt. Links the class labels with their
activity name.
activity: rename for second column of activities variable in step2data.
Time: rename for ^t.
Frequency: rename for ^f
TimeBody: rename for tBody
Mean: rename for -mean()
StandardDeviation: rename for -std()
Frequency: rename for -freq()
Gyroscope: rename for Gyro
Body: rename for BodyBody
Magnitude: rename for Mag
group data: step2data grouped by subject and activity variables
tidy data: summarization of group data with the average of each variable for each
activity and each subject.
```

TidyData.txt is the data table exported from tidy data.