CodeBook

Introduction.

The data is downloaded from the following url: https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip

Variables

- X_train.txt, y_train.txt, X_test.txt, y_test.txt, numeric information
- features.txt contains information regarding the column names of X_train.txt and X_test.txt
- activity_labels.txt labels use the key for y_test.txt and y_train.txt

Changes.

1) Merges the training and the test sets to create one data set.
2) Extracts only the measurements on the mean and standard deviation for each measurement.
3) Uses descriptive activity names to name the activities in the data set
4) Appropriately labels the data set with descriptive variable names.
5) From the data set in step 4, creates a second, independent tidy data set with the average of each variable for each activity and each subject.

Output

- A tidy dataset with the information summarized grouped by subjects and activities