

The script works as follows

Steps	Activity
1	Create data frame to hold activity numbers and labels
2	Read in the test data and merge it with activity file subject data
3	Read in the training data data and merge it with activity file subject data
4	Merge the test and training data
5	Select ONLY activity measures with means and standard deviations
6	Merge activity labels with the dataset generated so far
7	Melt the data so that it can be reshaped
8	Creates a second, independent tidy data set with the average of each variable for each activity and each subject
9	Write the final data frame to an output csv file