

# Peer-graded Assignment: Getting and Cleaning Data Course Project

Soma Chowdhury

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This submission by *Soma Chowdhury* is for the peer graded assignment for Getting and Cleaning Data Course project

### DataSet

Human activity data collected from the accelerometers from the Samsung Galaxy S smartphone (<https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip>)

### Files

- Codebook.Rmd A code book that describes the variables, the data and any transformations or work performed to clean up the data
- run\_analysis.R R script file that executes steps for
  - Data preparation
  - Merges the training and test sets to create one data set
  - Extracts only the measurements on the mean and standard deviation for each measurement.
  - Uses descriptive activity names to name the activities in the data set
  - Appropriately labels the data set with descriptive variable names.
  - 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.
- FinaData.txt Exported final data text file.