**Codebook course project getting and cleaning data**

The R script run\_analysis.R does the following:

1. It downloads and unzips the data found in <https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip>
2. It merges the training and the test sets to create one data set.
3. It extracts only the measurements on the mean and standard deviation for each measurement.
4. It uses descriptive activity names to name the activities in the data set
5. It appropriately labels the data set with descriptive variable names.
6. From the data set in step 5, it creates an tidy data set with the average of each variable for each activity and each subject.

Variables:

* x\_train, y\_train, x\_test, y\_test, subject\_train and subject\_test contain the data from the downloaded files.
* x\_data, y\_data and subject\_data merge the previous datasets to further analysis.