README Getting and Cleaning Data Course Project

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## R Markdown

This file corresponds to the assignment of the 4th week of the Getting and Cleaning Data project of the Data Science Course. The project involved the folowing ativities:

Step 0: Downloading the data files in the folowing URL:

<https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip>.

The files contained in the Dataset.Zip are the folowing: - README.txt’ - features\_info.txt : Shows information about the variables used on the feature vector. - features.txt: List of all features. - activity\_labels.txt: Links the class labels with their activity name. - train/X\_train.txt: Training set. - train/y\_train.txt: Training labels. - test/X\_test.txt: Test set. - test/y\_test.txt : Test labels. - /test/Inertial Signals:and /train/Inertial Signals that contain all the files that correspond to the measurements explained in the “README.txt AND THE”features\_info.txt"

After having put the files on an specific directory the assignment consisted in creating a script (named “run\_analysis.R”) that carries out the folowing process:

Step 1: Reads and merges the training and the test sets in one ata set. Step 2: Extract only the measurements on the mean and standard deviation for each measurement. Step 3: Uses descriptive activity names to name the activities in the data set. Step 4: Appropriately labels the data set with descriptive variable names. Step 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.

Notes: a. My “tidy data set” is called: “tidy\_means”. b. In my script I have comments on what the next code is trying to accomplish. c. Comments on have to be more efficient are always welcome

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