

README

AC185040

March 2, 2016

This R script performs following steps, as per project assignment instructions:

- Merges the training and the 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 activity names.
- Creates a second, independent tidy data set with the average of each variable for each activity and each subject.

Script Execution:

- The script checks for existence of the folder: D:/Data Science/getting&CleaningData/project.
- If it does not exists, then it creates the subdirectory,
- project under the directory: D:/Data Science/getting&CleaningData and then downloads, unzips all relevant datafile
- In your R enviroment, set your working directory to be: `setwd("D:/Data Science/getting&CleaningData/project")`
- Load the script: `source('run_analysis.R')`
- The end result will be a file called `final_tidy_dataset.txt` in the woirking directory.
- `final_tidy_dataset.csv` mirrors the `.txt` file in `.csv` format.
- `whole_interm_descriptive_activity_names.csv` is an intermediate file used during the analysis.
- final tidy dataset Each row in the final, clean dataset contains subject, activity, and measures for all required features (i.e., mean or standard deviation).