

Getting and Cleaning Data Course Project

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Peer-graded Assignment: Getting and Cleaning Data Course Project

This repository is my submission for the Peer-graded Assignment: Getting and Cleaning Data Course Project. It has instructions on how to run the analysis for the UCI HAR Dataset.

Dataset:

Human Activity Recognition Using Smartphones Dataset Version 1.0.

Files:

- CodeBook.Rmd
 - A code book describing the data, variables and any transformations or work that I performed to get and clean up the data for the project.
- run_analysis.R
 - A script that performs the data preparation and the 5 steps required as defined in the Peer-graded Assignment: Getting and Cleaning Data Course Project.
 - The 5 steps are as follows:
 1. Merges the training and the test sets to create one data set.
 2. Extracts only the measurements on the mean and standard deviation for each measurement.
 3. Uses descriptive activity names to name the activities in the data set.
 4. Appropriately labels the data set with descriptive variable names.
 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.