ReadMe

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

All the coding and documenting of this assignment has been performed by Heinrich Ziegler as per instructions

### Data Set

#### Human Activity Recognition Using Smartphones Data Set

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

Description: <http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones>

## Files Delivered for Project

* run\_analysis.R: This files performs all operations from loading the data, unzipping it ito the appropriate sub-folder, and then executing the requested 5-steps for completions of project:
  + 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 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.
* CodeBook.md: The associated code book, decribing the individual steps performed in the run\_analysis.R file
* SummaryData.txt: The solution data file, containing the tidy, summarized data