

README

Information about the R script used for the data cleaning project. Coursera project assignment is based off of the data gathered for the accelerometer in the samsung galaxy smartphone. The full description of the dataset is available here

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

Files

- CodeBook.md describes the variables, data, and transformation used to perform a clean up on the data
- run_analysis.R performs the data preparation and then followed up by the 5 steps required by the course project
 - Merge training and test data sets into one comprehensive 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
- FinalData.txt final exported data after following the steps above