

Read Me

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Data analysis of Human Activity Recognition Using Smartphones Dataset.

Full description is available at the site where the data was obtained can be found [here](#).

Contents

- ReadMe - This file in different formats (html, pdf, md and rmd)
- run_analysis.R - R script that does the following:
 1. *Merges the training and 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.*
- tidydata.txt - datafile outputted by run_analysis.R
- codebook - description of the variables, data and any transformations or work that is performed to clean up the data (html, pdf, md and rmd)

Required R Packages

```
library(dplyr)
```

Additional Notes

Data set that is needed will be downloaded through the R script (run_analysis.R).

Data transformation is explained in the script itself and *not* in the codebook.

More info about the data can be found in the codebook.