

Codebook

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0 Loading the data

As a first step, I downloaded the zip to my local machine and unzipped it. Then i set the wd of R to the folder containing all the downloaded files. As a next step i loaded all the downloaded datasets as objects into R and used meaningful names and also did a first manipulation where needed according to the set goal.

1 Merge test and training into one big dataframe After the loading

into R was done, the next step was easy, I only had to combine the training and test dataframes using the R function `rbind()` to create one big df.

2. Extract only the measurements on the mean and standard deviation

for each measurement. The extractoin of the means and standard deviations for each measurement i did by using the `grep` function and a simple selection on the relevant rows. I saved the result in a df called `extract`.

3. Use descriptive activity names to name the activities in the data set

I used the labels from the `activity_labels.txt` to apply names for the activities on my `extract` dataset.

4. Appropriately label the data set with descriptive variable names.

As a last step of labelling I relabelled the variables in my `extract` dataset with some more meaningful names.

5. From the data set in step 4, create a second, independent tidy data set with the average of each variable for each activity and each subject.

The last task that needed to be performed for this assignment was to create a second, independent tidy df with the average of each variable for each activity and subject. This i did with the `aggregate` function on my `extract` dataset and calculated the means by subject and activity. The resulting df was the one needed to complete this assignment and i saved it as `tidydf.txt`.