

Code Book

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The run_analysis.R stores the code used in assignment for Coursera course - Getting and Cleaning Data.

The run_analysis.R performs the data loading, data cleaning, data manipulation and then finalize the data in the Final.txt file.

data download

It first loads all the related data files into R, giving each dataset a meaningful name.

data cleaning and data manipulation

Then it binds the training dataset with the test dataset, and then merge the x dataset, y dataset and subject.

It then performed data cleaning. Replaced the ambiguous names or abbreviations with meaningful clear names like changing 'tBody' to 'TimeBody'.

write data

Finally, it grouped the dataset and summarized the dataset.