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R files required to run__analysis

The following scripts are used to perform the analyses on the UCI HAR Dataset.

Script name	Script Purpose
scripts/run__analysis.R	This script runs the data analysis pipeline. Calls functions to rename the original variable names, merge the training and testing data into a single table, and creates the tidied Mean and STD table. This data is printed to generated_files/mean_std_files.csv
scripts/parse_features.R	This script performs the variable renaming functions. At this point, it only implements a portion of the renaming scheme defined in the Code Book. But it does demonstrate how I renamed variable names.
scripts/utilities.R	The utilities.R file contains some support mechanisms, like generating a vector of file names needed for the project and renaming the Activity encodings to text
scripts/merge_complete.R	This script reads and merges the training and test data sets.

Tidy Data

The completed data file is stored in generated_files/mean_std_files.csv

Execute the code

To execute the code, types `data <- pipeline("UCI HAR Dataset/")`