

Here is complete description of all variables used in run_analysis.R script

url_variables # contains the name and location of features.txt file

var_names # contains the content of features.txt file. Data frame 561x2

test_setY_url # contains the name and location of y_test.txt file

test_setX_url # contains the name and location of X_test.txt file

test_setSubj_url # contains the name and location subject_test.txt file

test_setY #contains the content of y_test.txt file. Data frame 2947x1

test_setX # contains the content of X_test.txt file. Data frame 2947x561

test_setSubj #contains the content of subject_test.txt file. Data frame 2947x1

train_setY_url # contains the name and location of y_train.txt file

train_setX_url # contains the name and location of X_train.txt file

train_setSubj_url # contains the name and location of subject_train.txt file

train_setY #contains the content of y_train.txt file. Data frame 7352x1

train_setX #contains the content of X_train.txt file. Data frame 7352x561

train_setSubj #contains the content of subject_train.txt file. Data frame 7352x1

completesetActivity # dataset of binded activities (by codes) from test and train files. Data frame 10299x1

completeset # dataset of binded measurements from test and train files. Data frame 10299x561

completesubjects # dataset of binded subjects from test and train files. Data frame 10299x1

mean_and_std_vector # integer vector with column numbers of measurements containing words *mean()* and *std()*. Vector length = 66

vector_names #character vector with column names of measurements containing words *mean()* and *std()*. Vector length = 66

filteredset # Set, containing only observations for variables with words *mean()* and *std()*. Data frame 10299x66

activity_labels #contains the content of activity_labels.txt file

totalset #set contains binded sets of activities, subjects and filtered set of measurements

rtotal # set contains merged activity labels(like "walking", "standing" etc..) , subjects and measurements. Data frame 10299x68

Fullvectornames # character vector contains column names for merged set of activities, subjects and measurements. Vector length = 68

grouped_set # set of activities, subjects and measurements grouped by subjects and activities. Data frame 10299x68

summary_result # Final tidy set, contains average of each variable (measurement) for each activity and each subject. Data frame 180x68