Code Book

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VARIABLES

Following are the variables used in the script run_analysis.R for the purpose of creating tidy data set for the Samsung Phone sensor data.

1. vardata : reads variable names from feature.txt
2. variables : contains separated variable names from vardata
3. act_label : reads activity labels from activity_labels.txt
4. actlabels : contains separated variable names from act_label
5. xtest : reads test data from X_test.txt file
6. xtest1 : contained processed xtest data into a data frame
7. subjecttest : subject data for test entries
8. ytest : activity data for test entries
9. xtraining : reads training data from X_training.txt file
10. xtraining1 : contained processed xtraining data into a data frame
11. subjecttraining : subject data for training entries
12. ytraining :activity data for training entires
13. testdata : collated test data with activity, subject and observations
14. traindata : collated training data with activity, subject and observations
15. fulldata : combined test and training data
16. mean_index : the indices of columns where mean variables exist
17. mean_data : the mean values for measurements
18. std_index : the indices of columns where standard deviation variables exist
19. std_index : the standard deviation values for measurements
20. x : vector to keep tab of activity
21. y : vector to keep tab of subjects
22. l2 : tracks the total number of variables so that their averages are calculated one by one
23. ans : final tidy data set