

CodeBook

YM

August 23, 2015

Variables

The variables in the output tidy data set contains

- activity id
- subject id
- average of features related to mean measurement
- average of features related to standard deviation measurement

Data

The original data is the combination of both training data set and test data set, and only the measurements on the mean and standard deviation.

Data Processing

To acquire the tidy data set, it takes several processing steps as following

- read signal data together with activity list and subject list for both training set and test set
- merge training set and test set
- extract only the features related to mean value and standard deviation
- label all the variables properly
- create another tidy data set with the average of each variable for each activity and each subject