

Code Book

This code book gives the key measurements and indicators on the file tidy.txt generated as a result of running "run_Analysis.R".

Key Identifiers

subject - The ID of the test

Activity - The type of activity performed when the corresponding measurements were taken

Measurements

tBodyAccMeanX

tBodyAccMeanY

tBodyAccMeanZ

tBodyAccStdX

tBodyAccStdY

tBodyAccStdZ

tGravityAccMeanX

tGravityAccMeanY

tGravityAccMeanZ

tGravityAccStdX

tGravityAccStdY

tGravityAccStdZ

tBodyAccJerkMeanX

tBodyAccJerkMeanY

tBodyAccJerkMeanZ

tBodyAccJerkStdX

tBodyAccJerkStdY

tBodyAccJerkStdZ

tBodyGyroMeanX

tBodyGyroMeanY

tBodyGyroMeanZ

tBodyGyroStdX

tBodyGyroStdY

tBodyGyroStdZ

tBodyGyroJerkMeanX

tBodyGyroJerkMeanY

tBodyGyroJerkMeanZ

tBodyGyroJerkStdX

tBodyGyroJerkStdY

tBodyGyroJerkStdZ

tBodyAccMagMean

tBodyAccMagStd

tGravityAccMagMean

tGravityAccMagStd

tBodyAccJerkMagMean

tBodyAccJerkMagStd

tBodyGyroMagMean

tBodyGyroMagStd

tBodyGyroJerkMagMean

tBodyGyroJerkMagStd

fBodyAccMeanX

fBodyAccMeanY

fBodyAccMeanZ

fBodyAccStdX

fBodyAccStdY

fBodyAccStdZ

fBodyAccMeanFreqX

fBodyAccMeanFreqY

fBodyAccMeanFreqZ

fBodyAccJerkMeanX

fBodyAccJerkMeanY

fBodyAccJerkMeanZ

fBodyAccJerkStdX

fBodyAccJerkStdY

fBodyAccJerkStdZ

fBodyAccJerkMeanFreqX

fBodyAccJerkMeanFreqY

fBodyAccJerkMeanFreqZ

fBodyGyroMeanX

fBodyGyroMeanY

fBodyGyroMeanZ

fBodyGyroStdX

fBodyGyroStdY

fBodyGyroStdZ

fBodyGyroMeanFreqX

fBodyGyroMeanFreqY

fBodyGyroMeanFreqZ

fBodyAccMagMean

fBodyAccMagStd

fBodyAccMagMeanFreq

fBodyBodyAccJerkMagMean

fBodyBodyAccJerkMagStd

fBodyBodyAccJerkMagMeanFreq

fBodyBodyGyroMagMean

fBodyBodyGyroMagStd

fBodyBodyGyroMagMeanFreq

fBodyBodyGyroJerkMagMean

fBodyBodyGyroJerkMagStd

fBodyBodyGyroJerkMagMeanFreq

Activity

WALKING (value 1): Person was walking during the test

WALKING_UPSTAIRS (value 2): Person was walking up a staircase during the test

WALKING_DOWNSTAIRS (value 3): Person was walking down a staircase during the test

SITTING (value 4): Person was sitting during the test

STANDING (value 5): Person was standing during the test

LAYING (value 6): Person was lying down during the test