Codebook

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# Code book: Getting and Cleaning Data Course Project

## Introduction

This code book summarizes the final tidy dataset called TidySet.txt.

## Identifiers

The identifiers created are: “subjectId” and “activityId”

## Column names:

the complete dataset has the following column names:

setwd("C:/Users/Public/Dropbox (Personal)/ETELSE/coursera/data science specialization/gcd")  
TidySet=read.table("./TidySet.txt",header=T)  
names(TidySet)

## [1] "subjectId" "activityId"   
## [3] "tBodyAcc.mean...X" "tBodyAcc.mean...Y"   
## [5] "tBodyAcc.mean...Z" "tBodyAcc.std...X"   
## [7] "tBodyAcc.std...Y" "tBodyAcc.std...Z"   
## [9] "tGravityAcc.mean...X" "tGravityAcc.mean...Y"   
## [11] "tGravityAcc.mean...Z" "tGravityAcc.std...X"   
## [13] "tGravityAcc.std...Y" "tGravityAcc.std...Z"   
## [15] "tBodyAccJerk.mean...X" "tBodyAccJerk.mean...Y"   
## [17] "tBodyAccJerk.mean...Z" "tBodyAccJerk.std...X"   
## [19] "tBodyAccJerk.std...Y" "tBodyAccJerk.std...Z"   
## [21] "tBodyGyro.mean...X" "tBodyGyro.mean...Y"   
## [23] "tBodyGyro.mean...Z" "tBodyGyro.std...X"   
## [25] "tBodyGyro.std...Y" "tBodyGyro.std...Z"   
## [27] "tBodyGyroJerk.mean...X" "tBodyGyroJerk.mean...Y"   
## [29] "tBodyGyroJerk.mean...Z" "tBodyGyroJerk.std...X"   
## [31] "tBodyGyroJerk.std...Y" "tBodyGyroJerk.std...Z"   
## [33] "tBodyAccMag.mean.." "tBodyAccMag.std.."   
## [35] "tGravityAccMag.mean.." "tGravityAccMag.std.."   
## [37] "tBodyAccJerkMag.mean.." "tBodyAccJerkMag.std.."   
## [39] "tBodyGyroMag.mean.." "tBodyGyroMag.std.."   
## [41] "tBodyGyroJerkMag.mean.." "tBodyGyroJerkMag.std.."   
## [43] "fBodyAcc.mean...X" "fBodyAcc.mean...Y"   
## [45] "fBodyAcc.mean...Z" "fBodyAcc.std...X"   
## [47] "fBodyAcc.std...Y" "fBodyAcc.std...Z"   
## [49] "fBodyAcc.meanFreq...X" "fBodyAcc.meanFreq...Y"   
## [51] "fBodyAcc.meanFreq...Z" "fBodyAccJerk.mean...X"   
## [53] "fBodyAccJerk.mean...Y" "fBodyAccJerk.mean...Z"   
## [55] "fBodyAccJerk.std...X" "fBodyAccJerk.std...Y"   
## [57] "fBodyAccJerk.std...Z" "fBodyAccJerk.meanFreq...X"   
## [59] "fBodyAccJerk.meanFreq...Y" "fBodyAccJerk.meanFreq...Z"   
## [61] "fBodyGyro.mean...X" "fBodyGyro.mean...Y"   
## [63] "fBodyGyro.mean...Z" "fBodyGyro.std...X"   
## [65] "fBodyGyro.std...Y" "fBodyGyro.std...Z"   
## [67] "fBodyGyro.meanFreq...X" "fBodyGyro.meanFreq...Y"   
## [69] "fBodyGyro.meanFreq...Z" "fBodyAccMag.mean.."   
## [71] "fBodyAccMag.std.." "fBodyAccMag.meanFreq.."   
## [73] "fBodyBodyAccJerkMag.mean.." "fBodyBodyAccJerkMag.std.."   
## [75] "fBodyBodyAccJerkMag.meanFreq.." "fBodyBodyGyroMag.mean.."   
## [77] "fBodyBodyGyroMag.std.." "fBodyBodyGyroMag.meanFreq.."   
## [79] "fBodyBodyGyroJerkMag.mean.." "fBodyBodyGyroJerkMag.std.."   
## [81] "fBodyBodyGyroJerkMag.meanFreq.." "activityType"

### Activity Type

* WALKING (value 1): subject was walking during the test
* WALKING\_UPSTAIRS (value 2): subject was walking up a staircase during the test
* WALKING\_DOWNSTAIRS (value 3): subject was walking down a staircase during the test
* SITTING (value 4): subject was sitting during the test
* STANDING (value 5): subject was standing during the test
* LAYING (value 6): subject was laying down during the test

### the code book for the original dataset:

For more information on the original dataset, refer the data available at :

<http://archive.ics.uci.edu/ml/datasets/Human+Activity+Recognition+Using+Smartphones>