

Code Book

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Introduction

The run_analysis.R will perform the following tasks:

1. Download and read in the Activity labels and datasets
2. Match the Activity labels of t

The Activity Labels are:

```
setwd("F:/Courses I am Studying (or soon)/MOOCs/Coursera/Hopkins Data Science
Track/Getting Cleaning Data/getdata-projectfiles-UCI HAR Dataset/UCI HAR
Dataset")
activityLabels <- read.table("activity_labels.txt")
activityLabels
```

##	V1	V2
## 1	1	WALKING
## 2	2	WALKING_UPSTAIRS
## 3	3	WALKING_DOWNSTAIRS
## 4	4	SITTING
## 5	5	STANDING
## 6	6	LAYING

The variables of the data set

```
setwd("F:/Courses I am Studying (or soon)/MOOCs/Coursera/Hopkins Data Science
Track/Getting Cleaning Data/getdata-projectfiles-UCI HAR Dataset/UCI HAR
Dataset")
names(read.table("tidy.txt", header = TRUE))
```

## [1]	"subject"	"activity"
## [3]	"tBodyAccMeanX"	"tBodyAccMeanY"
## [5]	"tBodyAccMeanZ"	"tBodyAccStdX"
## [7]	"tBodyAccStdY"	"tBodyAccStdZ"
## [9]	"tGravityAccMeanX"	"tGravityAccMeanY"
## [11]	"tGravityAccMeanZ"	"tGravityAccStdX"
## [13]	"tGravityAccStdY"	"tGravityAccStdZ"
## [15]	"tBodyAccJerkMeanX"	"tBodyAccJerkMeanY"
## [17]	"tBodyAccJerkMeanZ"	"tBodyAccJerkStdX"
## [19]	"tBodyAccJerkStdY"	"tBodyAccJerkStdZ"
## [21]	"tBodyGyroMeanX"	"tBodyGyroMeanY"
## [23]	"tBodyGyroMeanZ"	"tBodyGyroStdX"

## [25]	"tBodyGyroStdY"	"tBodyGyroStdZ"
## [27]	"tBodyGyroJerkMeanX"	"tBodyGyroJerkMeanY"
## [29]	"tBodyGyroJerkMeanZ"	"tBodyGyroJerkStdX"
## [31]	"tBodyGyroJerkStdY"	"tBodyGyroJerkStdZ"
## [33]	"tBodyAccMagMean"	"tBodyAccMagStd"
## [35]	"tGravityAccMagMean"	"tGravityAccMagStd"
## [37]	"tBodyAccJerkMagMean"	"tBodyAccJerkMagStd"
## [39]	"tBodyGyroMagMean"	"tBodyGyroMagStd"
## [41]	"tBodyGyroJerkMagMean"	"tBodyGyroJerkMagStd"
## [43]	"fBodyAccMeanX"	"fBodyAccMeanY"
## [45]	"fBodyAccMeanZ"	"fBodyAccStdX"
## [47]	"fBodyAccStdY"	"fBodyAccStdZ"
## [49]	"fBodyAccMeanFreqX"	"fBodyAccMeanFreqY"
## [51]	"fBodyAccMeanFreqZ"	"fBodyAccJerkMeanX"
## [53]	"fBodyAccJerkMeanY"	"fBodyAccJerkMeanZ"
## [55]	"fBodyAccJerkStdX"	"fBodyAccJerkStdY"
## [57]	"fBodyAccJerkStdZ"	"fBodyAccJerkMeanFreqX"
## [59]	"fBodyAccJerkMeanFreqY"	"fBodyAccJerkMeanFreqZ"
## [61]	"fBodyGyroMeanX"	"fBodyGyroMeanY"
## [63]	"fBodyGyroMeanZ"	"fBodyGyroStdX"
## [65]	"fBodyGyroStdY"	"fBodyGyroStdZ"
## [67]	"fBodyGyroMeanFreqX"	"fBodyGyroMeanFreqY"
## [69]	"fBodyGyroMeanFreqZ"	"fBodyAccMagMean"
## [71]	"fBodyAccMagStd"	"fBodyAccMagMeanFreq"
## [73]	"fBodyBodyAccJerkMagMean"	"fBodyBodyAccJerkMagStd"
## [75]	"fBodyBodyAccJerkMagMeanFreq"	"fBodyBodyGyroMagMean"
## [77]	"fBodyBodyGyroMagStd"	"fBodyBodyGyroMagMeanFreq"
## [79]	"fBodyBodyGyroJerkMagMean"	"fBodyBodyGyroJerkMagStd"
## [81]	"fBodyBodyGyroJerkMagMeanFreq"	