CodeBook

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11/8/2019

Data source

The data is obtained from the following project:

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

and the initial data set in downloaded from the following url:

https://d396qusza40orc.cloudfront.net/getdata%2Fprojectfiles%2FUCI%20HAR%20Dataset.zip

Variables

We extract from initial data only the measurements on the mean and standard deviation. We obtain the following list:

Subnames

```
##  [1] "tBodyAcc-mean()-X"            "tBodyAcc-mean()-Y"
##  [3] "tBodyAcc-mean()-Z"            "tBodyAcc-std()-X"
##  [5] "tBodyAcc-std()-Y"            "tBodyAcc-std()-Z"
##  [7] "tGravityAcc-mean()-X"         "tGravityAcc-mean()-Y"
##  [9] "tGravityAcc-mean()-Z"         "tGravityAcc-std()-X"
## [11] "tGravityAcc-std()-Y"          "tGravityAcc-std()-Z"
## [13] "tBodyAccJerk-mean()-X"        "tBodyAccJerk-mean()-Y"
## [15] "tBodyAccJerk-mean()-Z"        "tBodyAccJerk-std()-X"
## [17] "tBodyAccJerk-std()-Y"         "tBodyAccJerk-std()-Z"
## [19] "tBodyGyro-mean()-X"           "tBodyGyro-mean()-Y"
## [21] "tBodyGyro-mean()-Z"           "tBodyGyro-std()-X"
## [23] "tBodyGyro-std()-Y"            "tBodyGyro-std()-Z"
## [25] "tBodyGyroJerk-mean()-X"       "tBodyGyroJerk-mean()-Y"
## [27] "tBodyGyroJerk-mean()-Z"       "tBodyGyroJerk-std()-X"
## [29] "tBodyGyroJerk-std()-Y"        "tBodyGyroJerk-std()-Z"
## [31] "tBodyAccMag-mean()"           "tBodyAccMag-std()"
## [33] "tGravityAccMag-mean()"        "tGravityAccMag-std()"
## [35] "tBodyAccJerkMag-mean()"       "tBodyAccJerkMag-std()"
## [37] "tBodyGyroMag-mean()"          "tBodyGyroMag-std()"
## [39] "tBodyGyroJerkMag-mean()"      "tBodyGyroJerkMag-std()"
## [41] "fBodyAcc-mean()-X"            "fBodyAcc-mean()-Y"
## [43] "fBodyAcc-mean()-Z"            "fBodyAcc-std()-X"
## [45] "fBodyAcc-std()-Y"            "fBodyAcc-std()-Z"
## [47] "fBodyAcc-meanFreq()-X"        "fBodyAcc-meanFreq()-Y"
## [49] "fBodyAcc-meanFreq()-Z"        "fBodyAccJerk-mean()-X"
## [51] "fBodyAccJerk-mean()-Y"        "fBodyAccJerk-mean()-Z"
## [53] "fBodyAccJerk-std()-X"         "fBodyAccJerk-std()-Y"
## [55] "fBodyAccJerk-std()-Z"         "fBodyAccJerk-meanFreq()-X"
## [57] "fBodyAccJerk-meanFreq()-Y"    "fBodyAccJerk-meanFreq()-Z"
## [59] "fBodyGyro-mean()-X"           "fBodyGyro-mean()-Y"
## [61] "fBodyGyro-mean()-Z"           "fBodyGyro-std()-X"
```

```
## [63] "fBodyGyro-std()-Y"              "fBodyGyro-std()-Z"
## [65] "fBodyGyro-meanFreq()-X"         "fBodyGyro-meanFreq()-Y"
## [67] "fBodyGyro-meanFreq()-Z"         "fBodyAccMag-mean()"
## [69] "fBodyAccMag-std()"              "fBodyAccMag-meanFreq()"
## [71] "fBodyBodyAccJerkMag-mean()"     "fBodyBodyAccJerkMag-std()"
## [73] "fBodyBodyAccJerkMag-meanFreq()" "fBodyBodyGyroMag-mean()"
## [75] "fBodyBodyGyroMag-std()"         "fBodyBodyGyroMag-meanFreq()"
## [77] "fBodyBodyGyroJerkMag-mean()"    "fBodyBodyGyroJerkMag-std()"
## [79] "fBodyBodyGyroJerkMag-meanFreq()"
```