Getting and cleaning data: Project result cookbook

The following sums up the content in the "Mean_clean_data.txt" data set, obtained as a result of applying the "run_analysis.R" code to the given data about the "Human Activity Recognition Using Smartphones Data Set" (included in the code).

Activities

The possible activities contained in the data set are contained in the "activities" variable. The whole range of possible activities are:

```
## [1] "LAYING"            "SITTING"            "STANDING"
## [4] "WALKING"           "WALKING_DOWNSTAIRS" "WALKING_UPSTAIRS"
```

Each of this activities are taken by each of the subjects, which are labeled from 1 to 30 in the "subjects" variable in the final data set.

Names on the data set

```
##  [1] "activities"             "subjects"
##  [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] "fBodyAccJerk.mean.X"    "fBodyAccJerk.mean.Y"
## [51] "fBodyAccJerk.mean.Z"    "fBodyAccJerk.std.X"
## [53] "fBodyAccJerk.std.Y"     "fBodyAccJerk.std.Z"
## [55] "fBodyGyro.mean.X"       "fBodyGyro.mean.Y"
## [57] "fBodyGyro.mean.Z"       "fBodyGyro.std.X"
## [59] "fBodyGyro.std.Y"        "fBodyGyro.std.Z"
## [61] "fBodyAccMag.mean"       "fBodyAccMag.std"
```

```
## [63] "fBodyBodyAccJerkMag.mean"  "fBodyBodyAccJerkMag.std"
## [65] "fBodyBodyGyroMag.mean"     "fBodyBodyGyroMag.std"
## [67] "fBodyBodyGyroJerkMag.mean" "fBodyBodyGyroJerkMag.std"
```