Getting and Cleaning Data Course Project

Data

This project contains data from serveral sources:

- Subjects(People who participated in the experiment)
- Observations(test and train files)
- Activity Labels(each subject was monitored during six different times)
- Feature Labels(Mean and Standard Deviations of the observations)

Additionaly data was in different sets, since the original intention was to test a SVM model, which needs:

- Test Data
- Train Data

Output Files

- MergedDataSet ('data.frame': 10299 obs. of 68 variables:)

[1] "Subject" "Activity"
[3] "tBodyAccMeanX" "tBodyAccMeanY"
[5] "tBodyAccMeanZ" "tBodyAccStdDevX"
[7] "tBodyAccStdDevY" "tBodyAccStdDevZ"
[9] "tGravityAccMeanX" "tGravityAccMeanY"
[11] "tGravityAccMeanZ" "tGravityAccStdDevX"
[13] "tGravityAccStdDevY" "tGravityAccStdDevZ"
[15] "tBodyAccJerkMeanX" "tBodyAccJerkMeanY"
[17] "tBodyAccJerkMeanZ" "tBodyAccJerkStdDevX"
[19] "tBodyAccJerkStdDevY" "tBodyAccJerkStdDevZ"
[21] "tBodyGyroMeanX" "tBodyGyroMeanY"
[23] "tBodyGyroMeanZ" "tBodyGyroStdDevX"
[25] "tBodyGyroStdDevY" "tBodyGyroStdDevZ"
[27] "tBodyGyroJerkMeanX" "tBodyGyroJerkMeanY"
[29] "tBodyGyroJerkMeanZ" "tBodyGyroJerkStdDevX"
[31] "tBodyGyroJerkStdDevY" "tBodyGyroJerkStdDevZ"
[33] "tBodyAccMagMean" "tBodyAccMagStdDev"
[35] "tGravityAccMagMean" "tGravityAccMagStdDev"
[37] "tBodyAccJerkMagMean" "tBodyAccJerkMagStdDev"
[39] "tBodyGyroMagMean" "tBodyGyroMagStdDev"
[41] "tBodyGyroJerkMagMean" "tBodyGyroJerkMagStdDev"
[43] "fBodyAccMeanX" "fBodyAccMeanY"
[45] "fBodyAccMeanZ" "fBodyAccStdDevX"

[47] “fBodyAccStdDevY” “fBodyAccStdDevZ”
[49] “fBodyAccJerkMeanX” “fBodyAccJerkMeanY”
[51] “fBodyAccJerkMeanZ” “fBodyAccJerkStdDevX”
[53] “fBodyAccJerkStdDevY” “fBodyAccJerkStdDevZ”
[55] “fBodyGyroMeanX” “fBodyGyroMeanY”
[57] “fBodyGyroMeanZ” “fBodyGyroStdDevX”
[59] “fBodyGyroStdDevY” “fBodyGyroStdDevZ”
[61] “fBodyAccMagMean” “fBodyAccMagStdDev”
[63] “fBodyBodyAccJerkMagMean” “fBodyBodyAccJerkMagStdDev” [65] “fBodyBodyGyroMagMean” “fBodyBodyGyroMagStdDev”
[67] “fBodyBodyGyroJerkMagMean” “fBodyBodyGyroJerkMagStdDev”

- OutTydyDS (180 obs. of 68 variables)

Mappings

According to the request, it is only needed to retrieve Mean and Standard Deviation variables, so, some subsetting had to be applied