# **Code Book**

## ID for melt and dcast to get cleanData

Subject - The participant ("subject") ID

Activity - The label of the activity performed when the corresponding measurements were taken

## Extracted Wanted Feature Data Fields

|  |  |
| --- | --- |
| 1 | "Subject" |
| 2 | "Activity" |
| 3 | "tBodyAcc-mean-X" |
| 4 | "tBodyAcc-mean-Y" |
| 5 | "tBodyAcc-mean-Z" |
| 6 | "tBodyAcc-std-X" |
| 7 | "tBodyAcc-std-Y" |
| 8 | "tBodyAcc-std-Z" |
| 9 | "tGravityAcc-mean-X" |
| 10 | "tGravityAcc-mean-Y" |
| 11 | "tGravityAcc-mean-Z" |
| 12 | "tGravityAcc-std-X" |
| 13 | "tGravityAcc-std-Y" |
| 14 | "tGravityAcc-std-Z" |
| 15 | "tBodyAccJerk-mean-X" |
| 16 | "tBodyAccJerk-mean-Y" |
| 17 | "tBodyAccJerk-mean-Z" |
| 18 | "tBodyAccJerk-std-X" |
| 19 | "tBodyAccJerk-std-Y" |
| 20 | "tBodyAccJerk-std-Z" |
| 21 | "tBodyGyro-mean-X" |
| 22 | "tBodyGyro-mean-Y" |
| 23 | "tBodyGyro-mean-Z" |
| 24 | "tBodyGyro-std-X" |
| 25 | "tBodyGyro-std-Y" |
| 26 | "tBodyGyro-std-Z" |
| 27 | "tBodyGyroJerk-mean-X" |
| 28 | "tBodyGyroJerk-mean-Y" |
| 29 | "tBodyGyroJerk-mean-Z" |
| 30 | "tBodyGyroJerk-std-X" |
| 31 | "tBodyGyroJerk-std-Y" |
| 32 | "tBodyGyroJerk-std-Z" |
| 33 | "tBodyAccMag-mean" |
| 34 | "tBodyAccMag-std" |
| 35 | "tGravityAccMag-mean" |
| 36 | "tGravityAccMag-std" |
| 37 | "tBodyAccJerkMag-mean" |
| 38 | "tBodyAccJerkMag-std" |
| 39 | "tBodyGyroMag-mean" |
| 40 | "tBodyGyroMag-std" |
| 41 | "tBodyGyroJerkMag-mean" |
| 42 | "tBodyGyroJerkMag-std" |
| 43 | "fBodyAcc-mean-X" |
| 44 | "fBodyAcc-mean-Y" |
| 45 | "fBodyAcc-mean-Z" |
| 46 | "fBodyAcc-std-X" |
| 47 | "fBodyAcc-std-Y" |
| 48 | "fBodyAcc-std-Z" |
| 49 | "fBodyAccJerk-mean-X" |
| 50 | "fBodyAccJerk-mean-Y" |
| 51 | "fBodyAccJerk-mean-Z" |
| 52 | "fBodyAccJerk-std-X" |
| 53 | "fBodyAccJerk-std-Y" |
| 54 | "fBodyAccJerk-std-Z" |
| 55 | "fBodyGyro-mean-X" |
| 56 | "fBodyGyro-mean-Y" |
| 57 | "fBodyGyro-mean-Z" |
| 58 | "fBodyGyro-std-X" |
| 59 | "fBodyGyro-std-Y" |
| 60 | "fBodyGyro-std-Z" |
| 61 | "fBodyAccMag-mean" |
| 62 | "fBodyAccMag-std" |
| 63 | "fBodyBodyAccJerkMag-mean" |
| 64 | "fBodyBodyAccJerkMag-std" |
| 65 | "fBodyBodyGyroMag-mean" |
| 66 | "fBodyBodyGyroMag-std" |
| 67 | "fBodyBodyGyroJerkMag-mean" |
| 68 | "fBodyBodyGyroJerkMag-std" |

## Activity Labels

Value Labels

1 WALKING

2 WALKING\_UPSTAIRS

3 WALKING\_DOWNSTAIRS

4 SITTING

5 STANDING

6 LAYING