# Code Book for Getting and Cleaning Data Course Project

This data has been obtained after cleansing formatting and merging the training and test datasets along with their associated activity labels, feature information and the subject who performed the activity.

All the reference info has been obtained from:-

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

The data itself was obtained from:-

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

The final result is an aggregated dataset which contains the average of each feature by the subject who performed the activity along with the type of Activity.

The description of the columns in the final dataset:

1. Activity: Contains the type of Activity Associated.

Type: Character

Allowable Values

|  |
| --- |
| WALKING |
| WALKING\_UPSTAIRS |
| WALKING\_DOWNSTAIRS |
| SITTING |
| STANDING |
| LAYING |

1. Feature : Type of measure calculated.

Type: Character

Allowable Values: 79 unique value out of the 561 unique values defined in features.txt. This is because only the ones relevant for mean and standard deviation are taken for this exercise

1. SubjectID: The subject who performed the activity.

Type: int

Allowable Values: Range is 1-30 as described in the readme.txt file associated with the source files

1. Value: The average of the mean and standard deviation of the various features.

Type: numeric