**Getting and Cleaning Data: Assignment’s Codebook**

**Data:**

Data used for analysis are:

1. features.txt
2. activity\_labels
3. Data provided in test & train folder:
   1. subject\_test, subject\_train : Subjects for test and train data
   2. X\_test, X\_train : The measured data of 561-variables (provided in features.txt) for subjects of test and train respectively
   3. y\_test, y\_train : Activity labels in numerical format for each observation for test and train

**Variables:**

Appropriately labeled the activities. Appropriately labeled the columns

* **For “all\_test\_train”**
  1. Subject
  2. Activity ( descriptive)
  3. Test\_or\_Train
  4. Mean & Std dev variables
* For “**summarized\_data**”
  1. Subject
  2. Activity (descriptive)
  3. Test\_or\_Train
  4. Average value of other variables in their respective column

**Transformations:**

As we are combining test & train data, I have added one column (“Test\_or\_Train”) in each “X\_test” and “X\_train” data just to notify observations of test or train respectively.