

# Code Book for Getting and Cleaning Data Course Project

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## Difference with original dataset

The dataset to be analysed is downloaded from:

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

The companion site for the dataset can be accessed from:

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

Although there are no major changes to the variable names, the Table 1 below will summarise the abbreviations used in the variable names in the final output file “*avgbyparticipant.txt*”. An indication of *NA* signifies no changes to the original abbreviations or absence in the original dataset.

Table 1: Summary of variable abbreviations

Original	Modified	Meaning
<i>NA</i>	ID	Participant/Subject ID from subject_test.txt or subject_train.txt
<i>NA</i>	Activity	Activity labels from activity_labels.txt
f	<i>NA</i>	Frequency Domain
t	<i>NA</i>	Time Domain, 50Hz
-XYZ	XYZ	Denotes 3-axial signals in X, Y, or Z directions
Acc	<i>NA</i>	Accelerometer readings
Gyro	<i>NA</i>	Gyroscope readings
Body	<i>NA</i>	Denotes Acc or Gyro readings by the Body
Gravity	<i>NA</i>	Denotes Acc or Gyro readings due to Gravity
Jerk	<i>NA</i>	Denotes the derived Jerk signal
Mag	<i>NA</i>	Denotes the magnitude
mean()	Mean	Indicates a mean calculation
std()	Std	Indicates a standard deviation calculation