

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.csv*”. An indication of *NA* signifies no changes to the original abbreviations.

Table 1: Summary of variable abbreviations

Original	Modified	Meaning
f	NA	Frequency Domain
t	NA	Time Domain, 50Hz
-XYZ	XYZ	Denotes 3-axial signals in X, Y, or Z directions
Acc	NA	Accelerometer readings
Gyro	NA	Gyroscope readings
Body	NA	Denotes Acc or Gyro readings by the Body
Gravity	NA	Denotes Acc or Gyro readings due to Gravity
mean()	Mean	Indicates a mean calculation
std()	Std	Indicates a standard deviation calculation