## Import some libraries

```
In [4]: import numpy as np
import pandas as pd
from pandas import Series, DataFrame
```

## Construct variable to read data csv

```
In [5]: address = 'C:/Users/muham/mtcars.csv'
    cars = pd.read_csv(address)
    cars.columns = ['car_names', 'mpg', 'cyl', 'disp', 'hp', 'drat', 'wp', 'qsec', 'varat', '
```

## Display data from CSV

```
In [6]:
          cars.head()
Out[6]:
                                            disp
                                                        drat
                                                                                    gear carb
                    car_names mpg
                                      cyl
                                                   hp
                                                                wp
                                                                     qsec
                                                                           ٧S
                                                                                am
           0
                    Mazda RX4
                                 21.0
                                           160.0
                                                   110
                                                        3.90
                                                             2.620
                                                                    16.46
                                                                                  1
               Mazda RX4 Wag
                                 21.0
                                           160.0
                                                   110
                                                             2.875
                                                                    17.02
                                                                                  1
                                                       3.90
                                                                             0
           2
                    Datsun 710
                                 22.8
                                           108.0
                                                   93
                                                        3.85
                                                             2.320
                                                                     18.61
                                                                                        4
                                                                                              1
           3
                  Hornet 4 Drive
                                 21.4
                                           258.0
                                                   110
                                                       3.08
                                                             3.215
                                                                    19.44
                                                                                 0
                                                                                        3
                                                                                              1
                                                                                              2
                                                  175 3.15 3.440 17.02
                                                                                        3
              Hornet Sportabout
                                18.7
                                           360.0
                                                                             0
                                                                                 0
```

## **Grouping data**

```
26.663636
          105.136364
                        82.636364
                                   4.070909
                                             2.285727
                                                       19.137273 0.909091
                                                                             0.727273
                                                                                       4.09090
19.742857
           183.314286
                       122.285714
                                   3.585714
                                             3.117143
                                                       17.977143 0.571429
                                                                             0.428571
                                                                                       3.85714
15.100000
           353.100000
                       209.214286
                                   3.229286
                                             3.999214
                                                       16.772143 0.000000
                                                                             0.142857
                                                                                       3.28571
```