import pandas as pd

```
data = pd.read_csv("/content/Iris.csv")
print('Iris-setosa')
setosa = data['Species'] == 'Iris-setosa'
print(data[setosa].describe())
print('\nIris-versicolor')
setosa = data['Species'] == 'Iris-versicolor'
print(data[setosa].describe())
print('\nIris-virginica')
setosa = data['Species'] == 'Iris-virginica'
print(data[setosa].describe())
     Iris-setosa
                   Ιd
                       SepalLengthCm
                                                      PetalLengthCm
                                       SepalWidthCm
                                                                      PetalWidthCm
     count
            50.00000
                            50.00000
                                          50.000000
                                                          50.000000
                                                                          50.00000
     mean
            25.50000
                             5.00600
                                           3.418000
                                                           1.464000
                                                                           0.24400
     std
                             0.35249
                                           0.381024
                                                           0.173511
                                                                           0.10721
            14.57738
     min
             1.00000
                             4.30000
                                           2.300000
                                                           1.000000
                                                                           0.10000
     25%
            13.25000
                                           3.125000
                                                                           0.20000
                             4.80000
                                                           1.400000
     50%
            25.50000
                             5.00000
                                           3.400000
                                                           1.500000
                                                                           0.20000
     75%
            37.75000
                                                                           0.30000
                             5.20000
                                           3.675000
                                                           1.575000
     max
            50.00000
                             5.80000
                                           4.400000
                                                           1.900000
                                                                           0.60000
     Iris-versicolor
                                                       PetalLengthCm
                    Ιd
                        SepalLengthCm
                                        SepalWidthCm
                                                                       PetalWidthCm
     count
             50.00000
                            50.000000
                                           50.000000
                                                           50.000000
                                                                          50.000000
     mean
             75.50000
                             5.936000
                                            2.770000
                                                            4.260000
                                                                           1.326000
     std
             14.57738
                                            0.313798
                                                            0.469911
                             0.516171
                                                                           0.197753
     min
             51.00000
                             4.900000
                                            2.000000
                                                            3.000000
                                                                           1.000000
     25%
             63.25000
                                            2.525000
                                                            4.000000
                                                                           1.200000
                             5.600000
     50%
             75.50000
                             5.900000
                                            2.800000
                                                            4.350000
                                                                           1.300000
     75%
             87.75000
                                            3.000000
                                                            4.600000
                             6.300000
                                                                           1.500000
            100.00000
                             7.000000
                                            3.400000
                                                            5.100000
                                                                           1.800000
     max
     Iris-virginica
                        SepalLengthCm
                                        SepalWidthCm
                                                       PetalLengthCm
                                                                       PetalWidthCm
                    Ιd
     count
             50.00000
                              50.00000
                                           50.000000
                                                           50.000000
                                                                           50.00000
            125.50000
                               6.58800
                                            2.974000
                                                            5.552000
                                                                            2.02600
     mean
     std
             14.57738
                               0.63588
                                            0.322497
                                                            0.551895
                                                                            0.27465
     min
            101.00000
                              4.90000
                                            2.200000
                                                            4.500000
                                                                            1.40000
     25%
                                                            5.100000
            113.25000
                              6.22500
                                            2.800000
                                                                            1.80000
     50%
            125.50000
                              6.50000
                                            3.000000
                                                            5.550000
                                                                            2.00000
     75%
            137.75000
                               6.90000
                                            3.175000
                                                            5.875000
                                                                            2.30000
```

data

max

150.00000

7.90000

3.800000

6.900000

2.50000

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index	150 4 setosa versicolor virginica
0	5.1 3.5 1.4 0.2 0
1	4.9 3 1.4 0.2 0
2	4.7 3.2 1.3 0.2 0
3	4.6 3.1 1.5 0.2 0
4	5 3.6 1.4 0.2 0
5	5.4 3.9 1.7 0.4 0
6	4.6 3.4 1.4 0.3 0
7	5 3.4 1.5 0.2 0
8	4.4 2.9 1.4 0.2 0
9	4.9 3.1 1.5 0.1 0
10	5.4 3.7 1.5 0.2 0
11	4.8 3.4 1.6 0.2 0
12	4.8 3 1.4 0.1 0
13	4.3 3 1.1 0.1 0
14	5.8 4 1.2 0.2 0
15	5.7 4.4 1.5 0.4 0
16	5.4 3.9 1.3 0.4 0
17	5.1 3.5 1.4 0.3 0
18	5.7 3.8 1.7 0.3 0
19	5.1 3.8 1.5 0.3 0
20	5.4 3.4 1.7 0.2 0
21	5.1 3.7 1.5 0.4 0
22	4.6 3.6 1 0.2 0
23	5.1 3.3 1.7 0.5 0
24	4.8 3.4 1.9 0.2 0
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