

```
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-verginica')
setosa = data['Species'] == 'Iris-virginica'
print(data[setosa].describe())
```

Iris-setosa

	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm
count	50.00000	50.00000	50.00000	50.00000	50.00000
mean	25.50000	5.00600	3.41800	1.46400	0.24400
std	14.57738	0.35249	0.38102	0.17351	0.10721
min	1.00000	4.30000	2.30000	1.00000	0.10000
25%	13.25000	4.80000	3.12500	1.40000	0.20000
50%	25.50000	5.00000	3.40000	1.50000	0.20000
75%	37.75000	5.20000	3.67500	1.57500	0.30000
max	50.00000	5.80000	4.40000	1.90000	0.60000

Iris-versicolor

	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm
count	50.00000	50.00000	50.00000	50.00000	50.00000
mean	75.50000	5.93600	2.77000	4.26000	1.32600
std	14.57738	0.51617	0.31379	0.46991	0.19775
min	51.00000	4.90000	2.00000	3.00000	1.00000
25%	63.25000	5.60000	2.52500	4.00000	1.20000
50%	75.50000	5.90000	2.80000	4.35000	1.30000
75%	87.75000	6.30000	3.00000	4.60000	1.50000
max	100.00000	7.00000	3.40000	5.10000	1.80000

Iris-verginica

	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm
count	50.00000	50.00000	50.00000	50.00000	50.00000
mean	125.50000	6.58800	2.97400	5.55200	2.02600
std	14.57738	0.63588	0.32249	0.55189	0.27465
min	101.00000	4.90000	2.20000	4.50000	1.40000
25%	113.25000	6.22500	2.80000	5.10000	1.80000
50%	125.50000	6.50000	3.00000	5.55000	2.00000
75%	137.75000	6.90000	3.17500	5.87500	2.30000
max	150.00000	7.90000	3.80000	6.90000	2.50000

```
import statistics as st
print(data.shape)
print(data.info())
```

(150, 6)

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 150 entries, 0 to 149

Data columns (total 6 columns):

#	Column	Non-Null Count	Dtype
0	Id	150 non-null	int64
1	SepalLengthCm	150 non-null	float64
2	SepalWidthCm	150 non-null	float64
3	PetalLengthCm	150 non-null	float64
4	PetalWidthCm	150 non-null	float64
5	Species	150 non-null	object

dtypes: float64(4), int64(1), object(1)

memory usage: 7.2+ KB

None

```
data.mean()
```

<ipython-input-4-abc01cf6c622>:1: FutureWarning: The default value of numeric\_only in DataFrame.mean is deprecated. In a future ver

data.mean()

Id

75.500000

SepalLengthCm

5.843333

SepalWidthCm

3.054000

PetalLengthCm

3.758667

PetalWidthCm

1.198667

dtype: float64

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