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- Generating SCV File

In [1]:
```
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
import numpy as np

data_set = sns.load_dataset("iris")
data_set
```

Out[1]:

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa
...	...	...	...	...	...
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica
149	5.9	3.0	5.1	1.8	virginica

150 rows × 5 columns

In [2]:
```
data_set.to_csv("iris.csv")
```

- Finding Median

In [3]:
```
data_set.median()
```

```
C:\Users\SAIFUL~1\AppData\Local\Temp/ipykernel_7456/4152858293.py:1: FutureWarning: Dropping of nuisance columns in DataFrame reductions (with 'numeric_only=None') is deprecate
d; in a future version this will raise TypeError.  Select only valid columns before calling the reduction.
  data_set.median()
```

Out[3]:
```
sepal_length    5.80
sepal_width     3.00
petal_length    4.35
petal_width     1.30
dtype: float64
```

- Finding Mode

In [4]:
```
data_set.mode()
```

Out[4]:

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.0	3.0	1.4	0.2	setosa
1	NaN	NaN	1.5	NaN	versicolor
2	NaN	NaN	NaN	NaN	virginica

- Some Basic Statistics Symbols

Measurement	Population	Sample
Size	N	n
Mean	μ (mu)	$\bar{x}$
Median	NaN	$\tilde{x}$
STD	σ	S
Varience	σ^2	S^2
Proportion	P	$\hat{p}$

In [ ]:
```
```