```
import pandas as pd
import numpy as np

df = pd.read_csv("/content/iris.csv")

 df = df.drop('Id', axis = 1)

df.columns = ('SL', 'SW', 'PL', 'PW', 'Species')


df.head()
```

	SL	SW	PL	PW	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

Next steps: Generate code with df View recommended plots

Display Statistical information

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150 entries, 0 to 149
Data columns (total 5 columns):
 #   Column   Non-Null Count  Dtype
---  ------   --------------  -----
 0   SL       148 non-null    float64
 1   SW       150 non-null    float64
 2   PL       150 non-null    float64
 3   PW       148 non-null    float64
 4   Species  150 non-null    object
dtypes: float64(4), object(1)
memory usage: 6.0+ KB
```

```
df['SL'].groupby(df['Species']).describe()
```

Species	count	mean	std	min	25%	50%	75%	max
Setosa	48.0	5.0125	0.358261	4.3	4.800	5.0	5.2	5.8
Versicolor	50.0	5.9360	0.516171	4.9	5.600	5.9	6.3	7.0
Virginica	50.0	6.5880	0.635880	4.9	6.225	6.5	6.9	7.9

```
df['SW'].groupby(df['Species']).describe()
```

Species	count	mean	std	min	25%	50%	75%	max
Setosa	50.0	3.418	0.381024	2.3	3.125	3.4	3.675	4.4
Versicolor	50.0	2.770	0.313798	2.0	2.525	2.8	3.000	3.4
Virginica	50.0	2.974	0.322497	2.2	2.800	3.0	3.175	3.8

```
df['PL'].groupby(df['Species']).describe()
```

Species	count	mean	std	min	25%	50%	75%	max
Setosa	50.0	1.464	0.173511	1.0	1.4	1.50	1.575	1.9
Versicolor	50.0	4.260	0.469911	3.0	4.0	4.35	4.600	5.1
Virginica	50.0	5.552	0.551895	4.5	5.1	5.55	5.875	6.9

```
df['PW'].groupby(df['Species']).describe()
```

Species	count	mean	std	min	25%	50%	75%	max
Setosa	49.0	0.242857	0.108012	0.1	0.2	0.2	0.3	0.6
Versicolor	50.0	1.326000	0.197753	1.0	1.2	1.3	1.5	1.8
Virginica	49.0	2.022449	0.276334	1.4	1.8	2.0	2.3	2.5

```
Start coding or generate with AI.
```