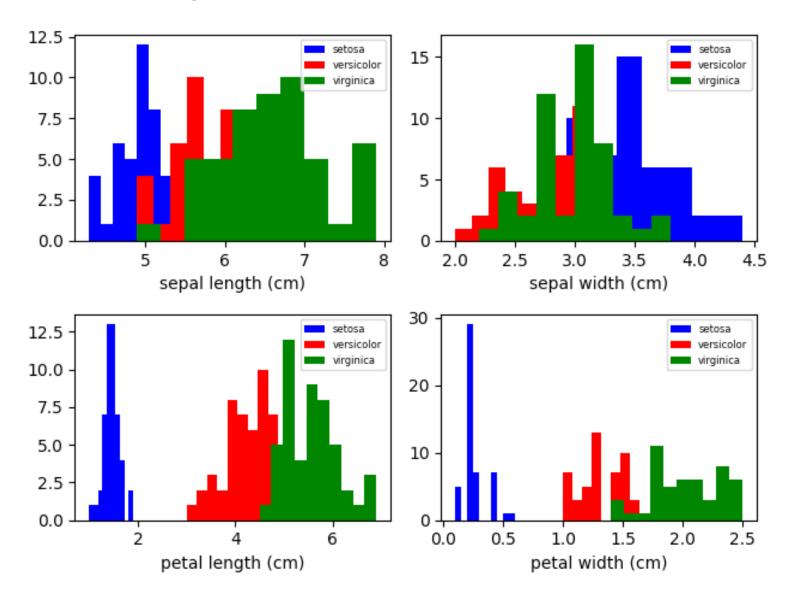
Name: Verginia Ehab.

Id: 5320.

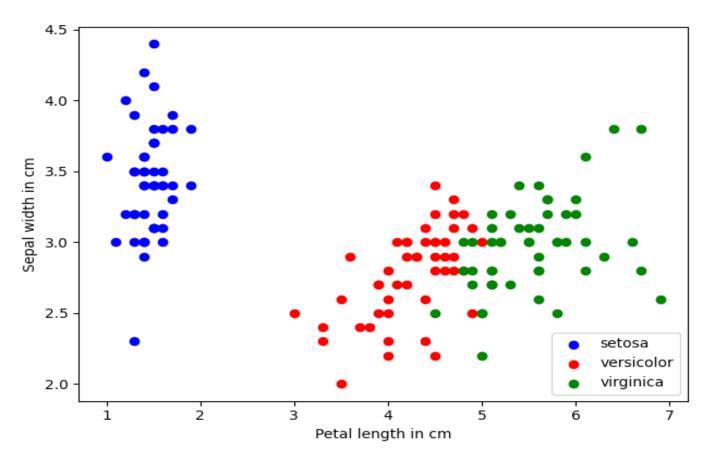
Sheet 0: Iris dataset visualization.

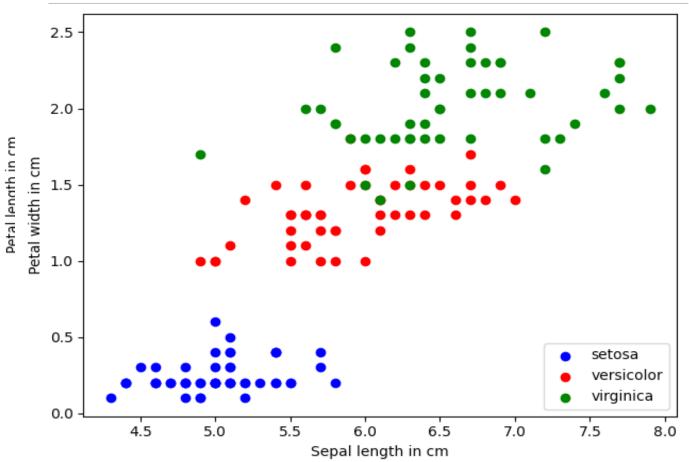
Iris dataset has 4 features which are: Sepal length, Sepal width, Petal length, Petal width and label which is the type of the flower.

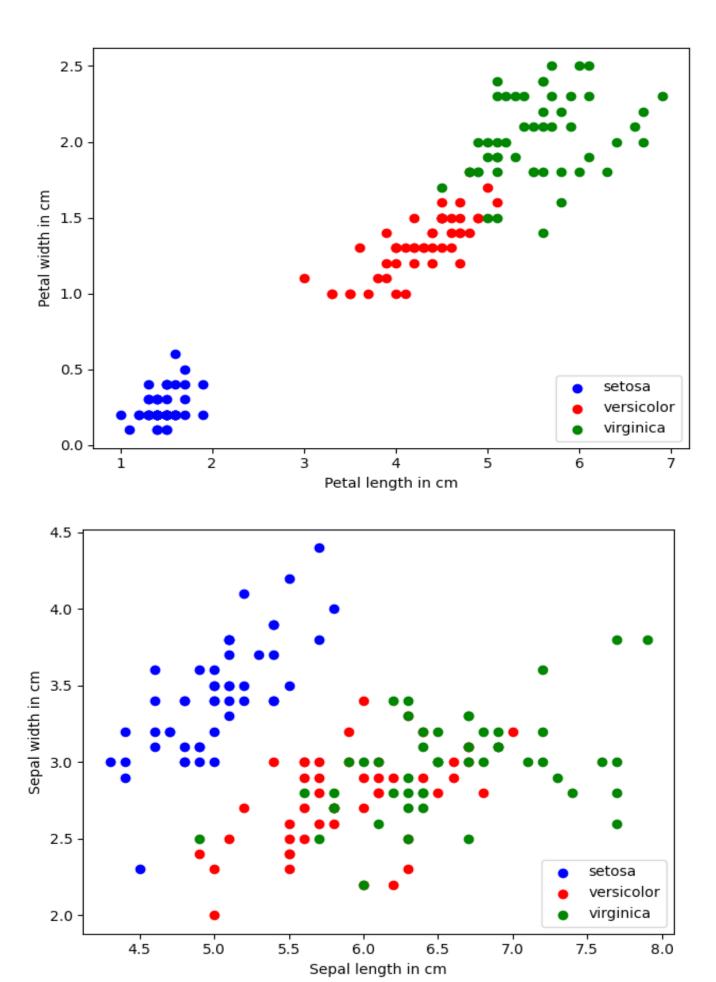
1]Histogram:



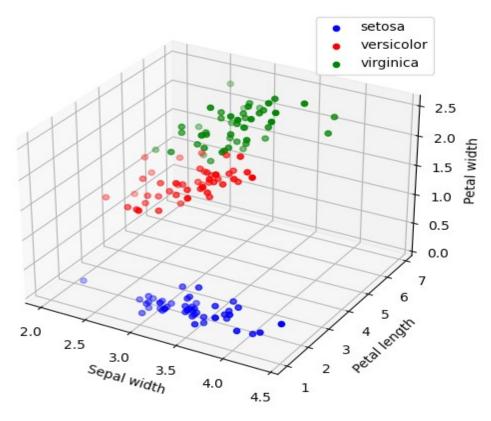
<u>2]2D-Scatter:</u>

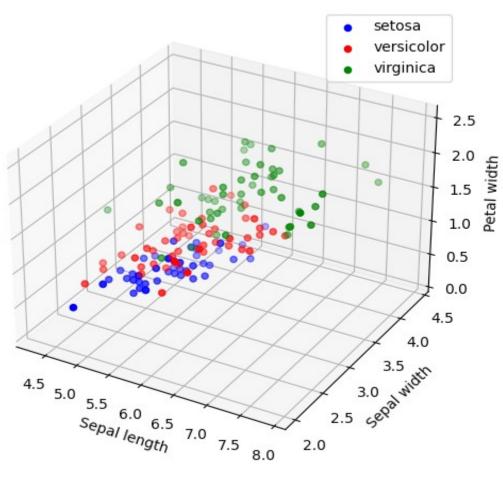


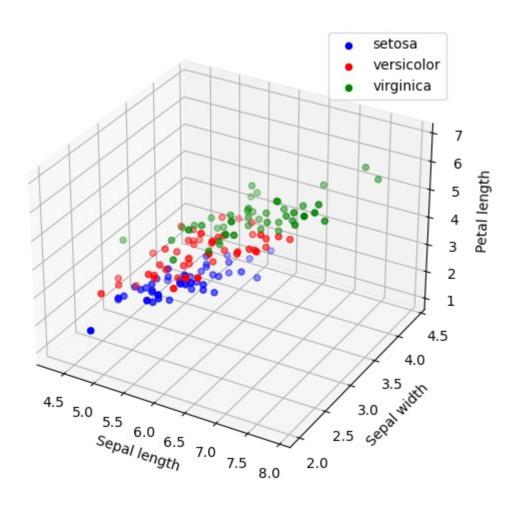


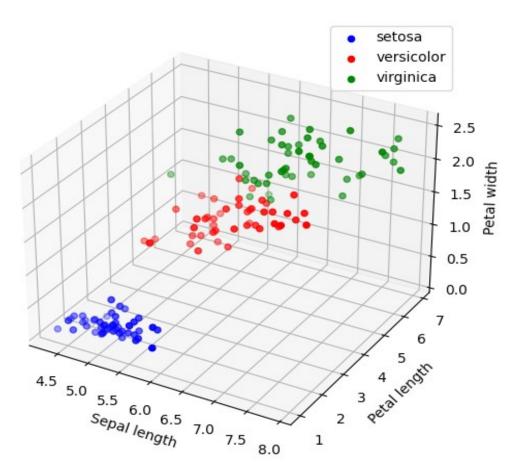


<u>3]3D-Scatter:</u>

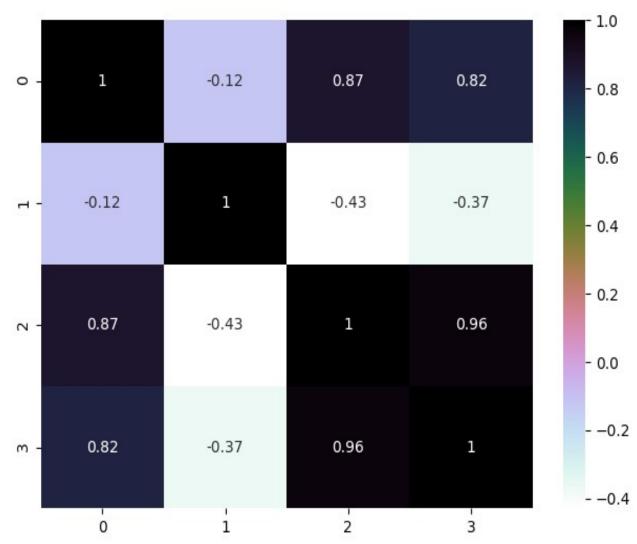








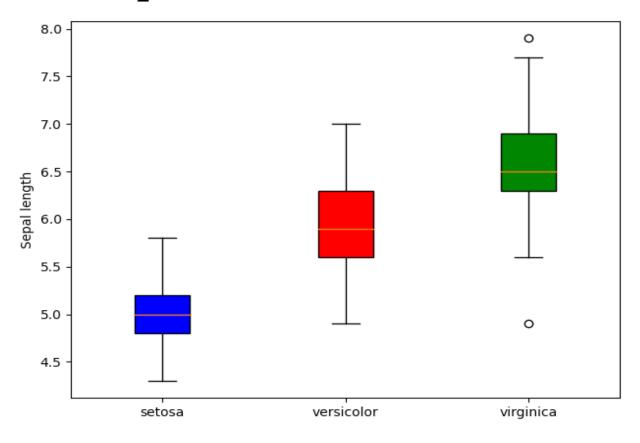
4]Correlation matrix:

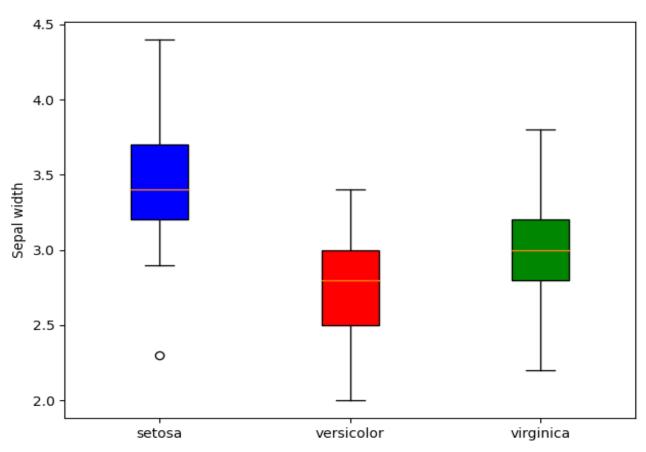


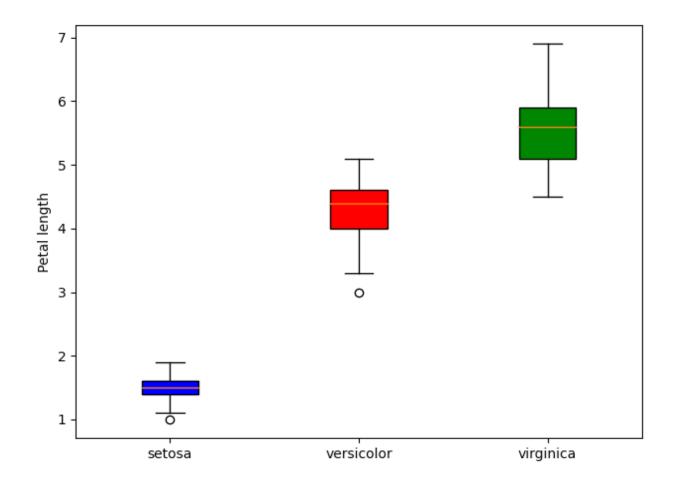
Observation:

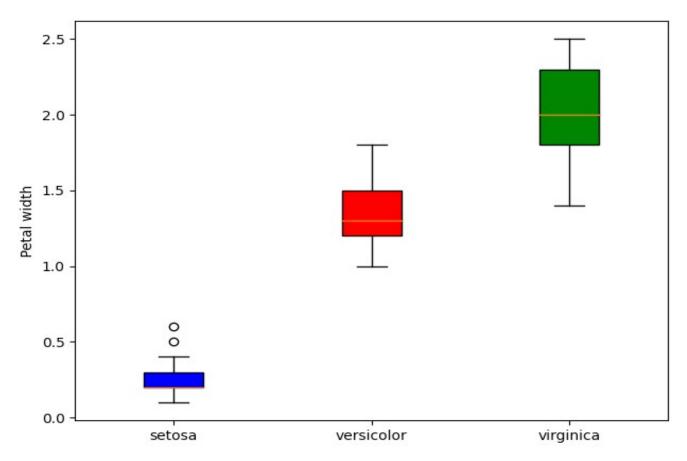
Sepal width and length aren't correlated. Petal length and width are highly correlated.

5]Box-plot:









<u> 6]Data-table:</u>

```
['i»¿"sepal.length"', 'sepal.width', 'petal.length', 'petal.width', 'variety']
['5.1', '3.5', '1.4', '.2', 'Setosa']
['4.9', '3', '1.4', '.2', 'Setosa']
['4.7', '3.2', '1.3', '.2', 'Setosa']
['4.6', '3.1', '1.5', '.2', 'Setosa']
['5', '3.6', '1.4', '.2', 'Setosa']
['5.4', '3.9', '1.7', '.4', 'Setosa']
['4.6', '3.4', '1.4', '.3', 'Setosa']
['5', '3.4', '1.5', '.2', 'Setosa']
['4.4', '2.9', '1.4', '.2', 'Setosa']
['4.9', '3.1', '1.5', '.1', 'Setosa']
['5.4', '3.7', '1.5', '.2', 'Setosa']
['4.8', '3.4', '1.6', '.2', 'Setosa']
['4.8', '3', '1.4', '.1', 'Setosa']
['4.3', '3', '1.1', '.1', 'Setosa']
['5.8', '4', '1.2', '.2', 'Setosa']
['5.7', '4.4', '1.5', '.4', 'Setosa']
['5.4', '3.9', '1.3', '.4', 'Setosa']
['5.1', '3.5', '1.4', '.3', 'Setosa']
['5.7', '3.8', '1.7', '.3', 'Setosa']
['5.1', '3.8', '1.5', '.3', 'Setosa']
['5.4', '3.4', '1.7', '.2', 'Setosa']
['5.1', '3.7', '1.5', '.4', 'Setosa']
['4.6', '3.6', '1', '.2', 'Setosa']
['5.1', '3.3', '1.7', '.5', 'Setosa']
```

```
['4.8', '3.4', '1.9', '.2', 'Setosa']
['5', '3', '1.6', '.2', 'Setosa']
['5', '3.4', '1.6', '.4', 'Setosa']
['5.2', '3.5', '1.5', '.2', 'Setosa']
['5.2', '3.4', '1.4', '.2', 'Setosa']
['4.7', '3.2', '1.6', '.2', 'Setosa']
['4.8', '3.1', '1.6', '.2', 'Setosa']
['5.4', '3.4', '1.5', '.4', 'Setosa']
['5.2', '4.1', '1.5', '.1', 'Setosa']
['5.5', '4.2', '1.4', '.2', 'Setosa']
['4.9', '3.1', '1.5', '.2', 'Setosa']
['5', '3.2', '1.2', '.2', 'Setosa']
['5.5', '3.5', '1.3', '.2', 'Setosa']
['4.9', '3.6', '1.4', '.1', 'Setosa']
['4.4', '3', '1.3', '.2', 'Setosa']
['5.1', '3.4', '1.5', '.2', 'Setosa']
['5', '3.5', '1.3', '.3', 'Setosa']
['4.5', '2.3', '1.3', '.3', 'Setosa']
['4.4', '3.2', '1.3', '.2', 'Setosa']
['5', '3.5', '1.6', '.6', 'Setosa']
['5.1', '3.8', '1.9', '.4', 'Setosa']
['4.8', '3', '1.4', '.3', 'Setosa']
['5.1', '3.8', '1.6', '.2', 'Setosa']
['4.6', '3.2', '1.4', '.2', 'Setosa']
['5.3', '3.7', '1.5', '.2', 'Setosa']
['5', '3.3', '1.4', '.2', 'Setosa']
```

```
['7', '3.2', '4.7', '1.4', 'Versicolor']
['6.4', '3.2', '4.5', '1.5', 'Versicolor']
['6.9', '3.1', '4.9', '1.5', 'Versicolor']
['5.5', '2.3', '4', '1.3', 'Versicolor']
['6.5', '2.8', '4.6', '1.5', 'Versicolor']
['5.7', '2.8', '4.5', '1.3', 'Versicolor']
['6.3', '3.3', '4.7', '1.6', 'Versicolor']
['4.9', '2.4', '3.3', '1', 'Versicolor']
['6.6', '2.9', '4.6', '1.3', 'Versicolor']
['5.2', '2.7', '3.9', '1.4', 'Versicolor']
['5', '2', '3.5', '1', 'Versicolor']
['5.9', '3', '4.2', '1.5', 'Versicolor']
['6', '2.2', '4', '1', 'Versicolor']
['6.1', '2.9', '4.7', '1.4', 'Versicolor']
['5.6', '2.9', '3.6', '1.3', 'Versicolor']
['6.7', '3.1', '4.4', '1.4', 'Versicolor']
['5.6', '3', '4.5', '1.5', 'Versicolor']
['5.8', '2.7', '4.1', '1', 'Versicolor']
['6.2', '2.2', '4.5', '1.5', 'Versicolor']
['5.6', '2.5', '3.9', '1.1', 'Versicolor']
['5.9', '3.2', '4.8', '1.8', 'Versicolor']
['6.1', '2.8', '4', '1.3', 'Versicolor']
['6.3', '2.5', '4.9', '1.5', 'Versicolor']
['6.1', '2.8', '4.7', '1.2', 'Versicolor']
['6.4', '2.9', '4.3', '1.3', 'Versicolor']
['6.6', '3', '4.4', '1.4', 'Versicolor']
```

```
['6.8', '2.8', '4.8', '1.4', 'Versicolor']
['6.7', '3', '5', '1.7', 'Versicolor']
['6', '2.9', '4.5', '1.5', 'Versicolor']
['5.7', '2.6', '3.5', '1', 'Versicolor']
['5.5', '2.4', '3.8', '1.1', 'Versicolor']
['5.5', '2.4', '3.7', '1', 'Versicolor']
['5.8', '2.7', '3.9', '1.2', 'Versicolor']
['6', '2.7', '5.1', '1.6', 'Versicolor']
['5.4', '3', '4.5', '1.5', 'Versicolor']
['6', '3.4', '4.5', '1.6', 'Versicolor']
['6.7', '3.1', '4.7', '1.5', 'Versicolor']
['6.3', '2.3', '4.4', '1.3', 'Versicolor']
['5.6', '3', '4.1', '1.3', 'Versicolor']
['5.5', '2.5', '4', '1.3', 'Versicolor']
['5.5', '2.6', '4.4', '1.2', 'Versicolor']
['6.1', '3', '4.6', '1.4', 'Versicolor']
['5.8', '2.6', '4', '1.2', 'Versicolor']
['5', '2.3', '3.3', '1', 'Versicolor']
['5.6', '2.7', '4.2', '1.3', 'Versicolor']
['5.7', '3', '4.2', '1.2', 'Versicolor']
['5.7', '2.9', '4.2', '1.3', 'Versicolor']
['6.2', '2.9', '4.3', '1.3', 'Versicolor']
['5.1', '2.5', '3', '1.1', 'Versicolor']
['5.7', '2.8', '4.1', '1.3', 'Versicolor']
['6.3', '3.3', '6', '2.5', 'Virginica']
['5.8', '2.7', '5.1', '1.9', 'Virginica']
```

```
['7.1', '3', '5.9', '2.1', 'Virginica']
['6.3', '2.9', '5.6', '1.8', 'Virginica']
['6.5', '3', '5.8', '2.2', 'Virginica']
['7.6', '3', '6.6', '2.1', 'Virginica']
['4.9', '2.5', '4.5', '1.7', 'Virginica']
['7.3', '2.9', '6.3', '1.8', 'Virginica']
['6.7', '2.5', '5.8', '1.8', 'Virginica']
['7.2', '3.6', '6.1', '2.5', 'Virginica']
['6.5', '3.2', '5.1', '2', 'Virginica']
['6.4', '2.7', '5.3', '1.9', 'Virginica']
['6.8', '3', '5.5', '2.1', 'Virginica']
['5.7', '2.5', '5', '2', 'Virginica']
['5.8', '2.8', '5.1', '2.4', 'Virginica']
['6.4', '3.2', '5.3', '2.3', 'Virginica']
['6.5', '3', '5.5', '1.8', 'Virginica']
['7.7', '3.8', '6.7', '2.2', 'Virginica']
['7.7', '2.6', '6.9', '2.3', 'Virginica']
['6', '2.2', '5', '1.5', 'Virginica']
['6.9', '3.2', '5.7', '2.3', 'Virginica']
['5.6', '2.8', '4.9', '2', 'Virginica']
['7.7', '2.8', '6.7', '2', 'Virginica']
['6.3', '2.7', '4.9', '1.8', 'Virginica']
['6.7', '3.3', '5.7', '2.1', 'Virginica']
['7.2', '3.2', '6', '1.8', 'Virginica']
['6.2', '2.8', '4.8', '1.8', 'Virginica']
['6.1', '3', '4.9', '1.8', 'Virginica']
```

```
['6.4', '2.8', '5.6', '2.1', 'Virginica']
['7.2', '3', '5.8', '1.6', 'Virginica']
['7.4', '2.8', '6.1', '1.9', 'Virginica']
['7.9', '3.8', '6.4', '2', 'Virginica']
['6.4', '2.8', '5.6', '2.2', 'Virginica']
['6.3', '2.8', '5.1', '1.5', 'Virginica']
['6.1', '2.6', '5.6', '1.4', 'Virginica']
['7.7', '3', '6.1', '2.3', 'Virginica']
['6.3', '3.4', '5.6', '2.4', 'Virginica']
['6.4', '3.1', '5.5', '1.8', 'Virginica']
['6', '3', '4.8', '1.8', 'Virginica']
['6.9', '3.1', '5.4', '2.1', 'Virginica']
['6.7', '3.1', '5.6', '2.4', 'Virginica']
['6.9', '3.1', '5.1', '2.3', 'Virginica']
['5.8', '2.7', '5.1', '1.9', 'Virginica']
['6.8', '3.2', '5.9', '2.3', 'Virginica']
['6.7', '3.3', '5.7', '2.5', 'Virginica']
['6.7', '3', '5.2', '2.3', 'Virginica']
['6.3', '2.5', '5', '1.9', 'Virginica']
['6.5', '3', '5.2', '2', 'Virginica']
['6.2', '3.4', '5.4', '2.3', 'Virginica']
['5.9', '3', '5.1', '1.8', 'Virginica']
```