```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
names = ['sepal-length','sepal-width','petal-length','petal-width','class']
dataset = pd.read_csv('https://archive.ics.uci.edu/ml/machine-learning-databases/i
```

```
print(dataset.shape)
print(list(dataset.columns))
dataset.dtypes
```

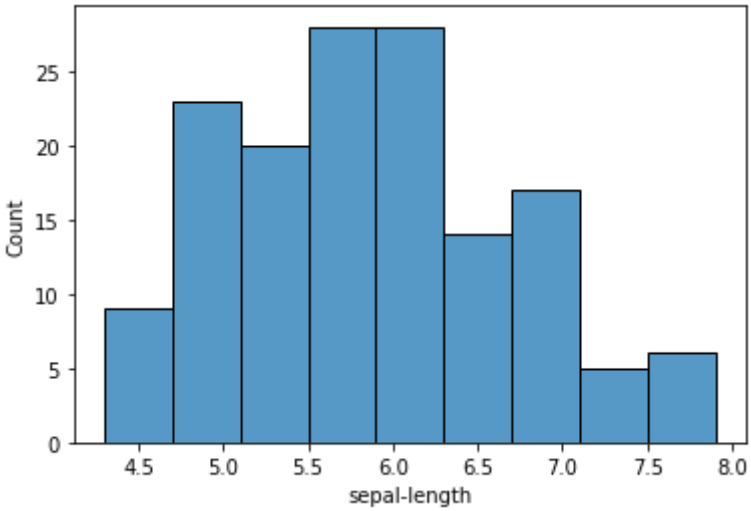
```
(150, 5)
['sepal-length', 'sepal-width', 'petal-length', 'petal-width', 'class']
sepal-length    float64
sepal-width     float64
petal-length    float64
petal-width     float64
class            object
dtype: object
```

```
print(dataset.describe())
```

```
       sepal-length  sepal-width  petal-length  petal-width
count    150.000000   150.000000    150.000000   150.000000
mean       5.843333     3.054000      3.758667     1.198667
std        0.828066     0.433594      1.764420     0.763161
min        4.300000     2.000000      1.000000     0.100000
25%        5.100000     2.800000      1.600000     0.300000
50%        5.800000     3.000000      4.350000     1.300000
75%        6.400000     3.300000      5.100000     1.800000
max        7.900000     4.400000      6.900000     2.500000
```

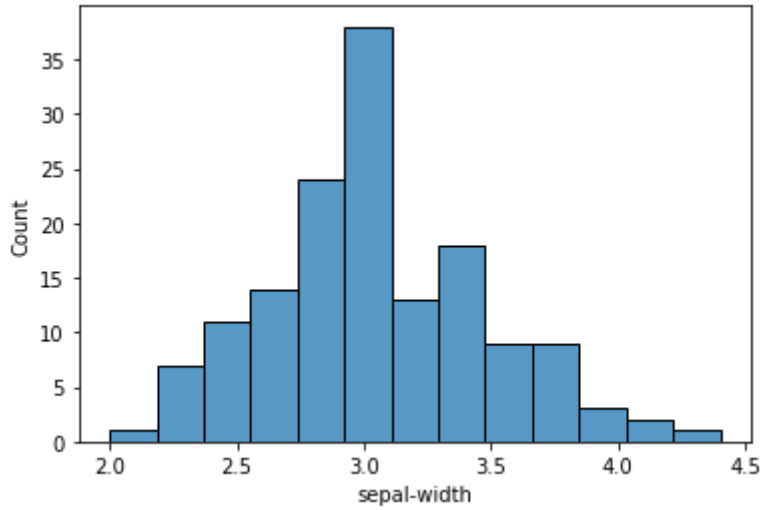
```
sns.histplot(x="sepal-length", data=dataset)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f747a1375d0>
```



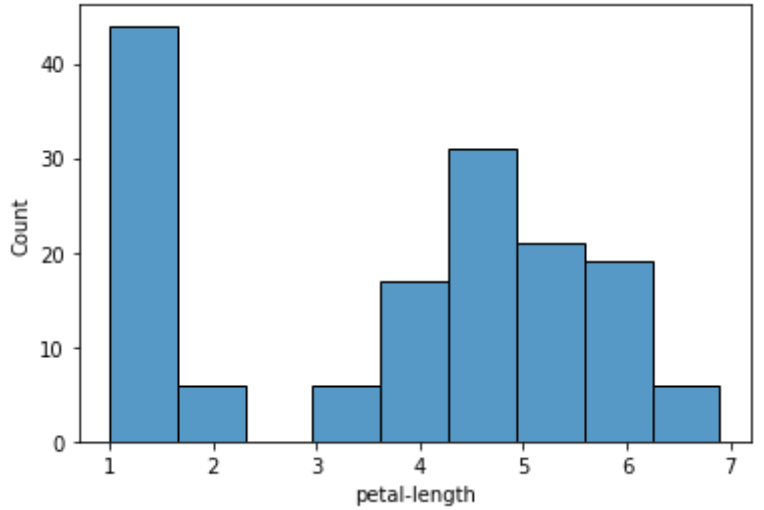

```
sns.histplot(x="sepal-width", data=dataset)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f7479155050>
```



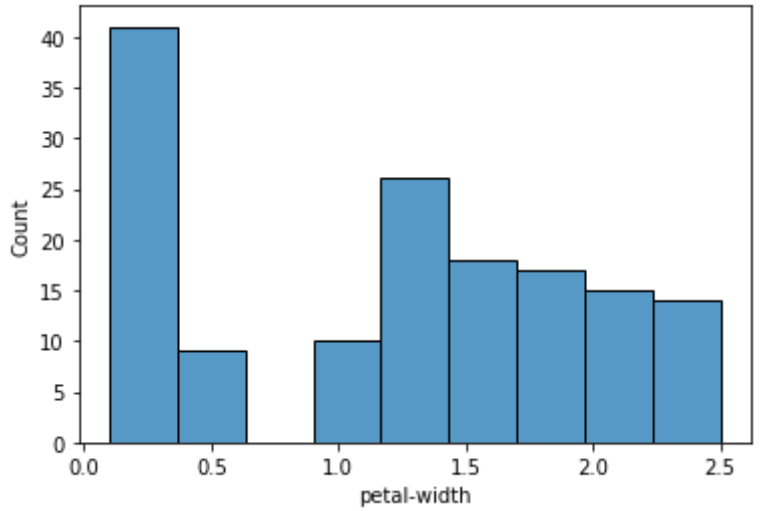

```
sns.histplot(x="petal-length", data=dataset)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f74791bf6d0>
```

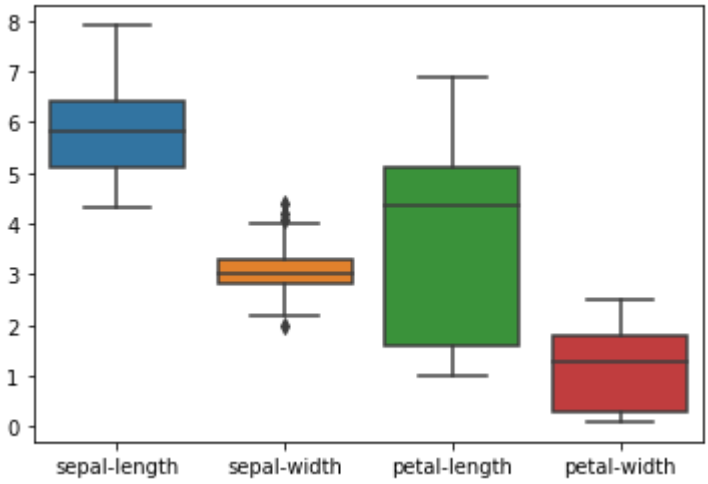



```
sns.histplot(x="petal-width", data=dataset)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f7479135410>
```




```
sns.boxplot(data=dataset);
```




```
sns.boxplot(x=dataset['class'],y=dataset['sepal-length'])
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f7478d7d550>
```