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

df = pd.read_csv("iris.csv")
print(df.head())
```

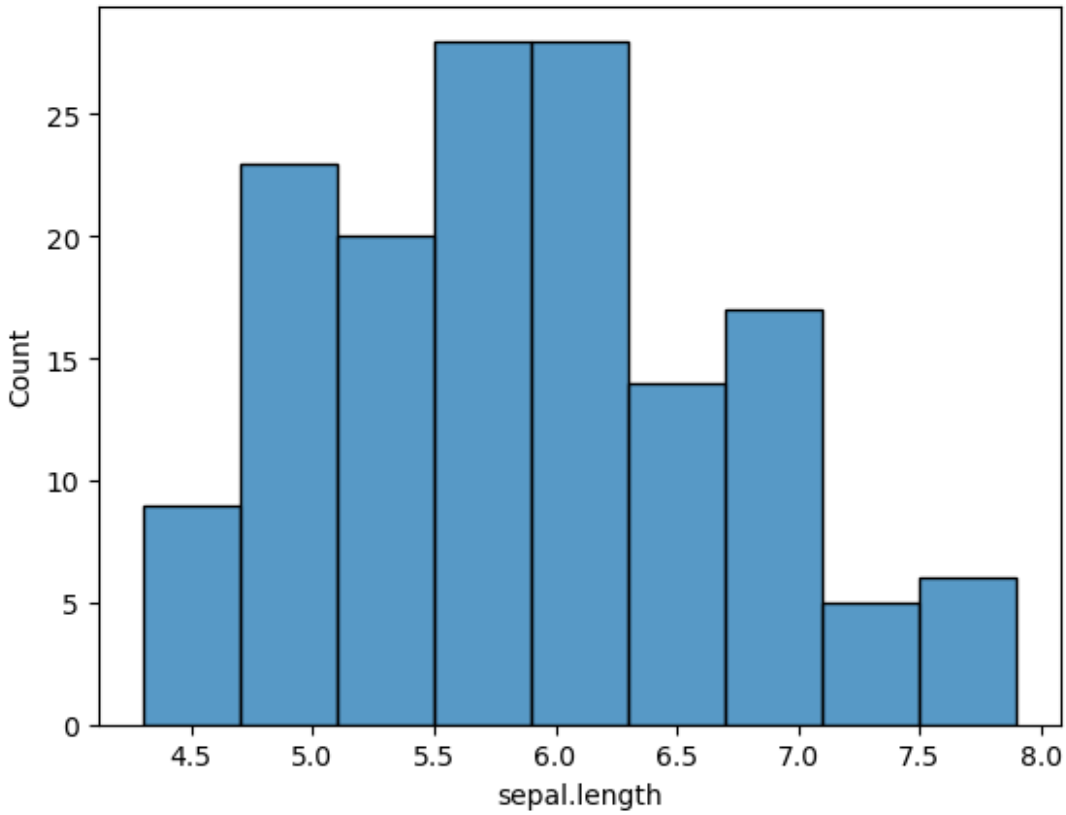
```
   sepal.length  sepal.width  petal.length  petal.width variety
0           5.1          3.5           1.4          0.2  Setosa
1           4.9          3.0           1.4          0.2  Setosa
2           4.7          3.2           1.3          0.2  Setosa
3           4.6          3.1           1.5          0.2  Setosa
4           5.0          3.6           1.4          0.2  Setosa
```

```
print("\nFeature Types:")
print(df.dtypes)
```

```
Feature Types:
sepal.length    float64
sepal.width     float64
petal.length    float64
petal.width     float64
variety          object
dtype: object
```

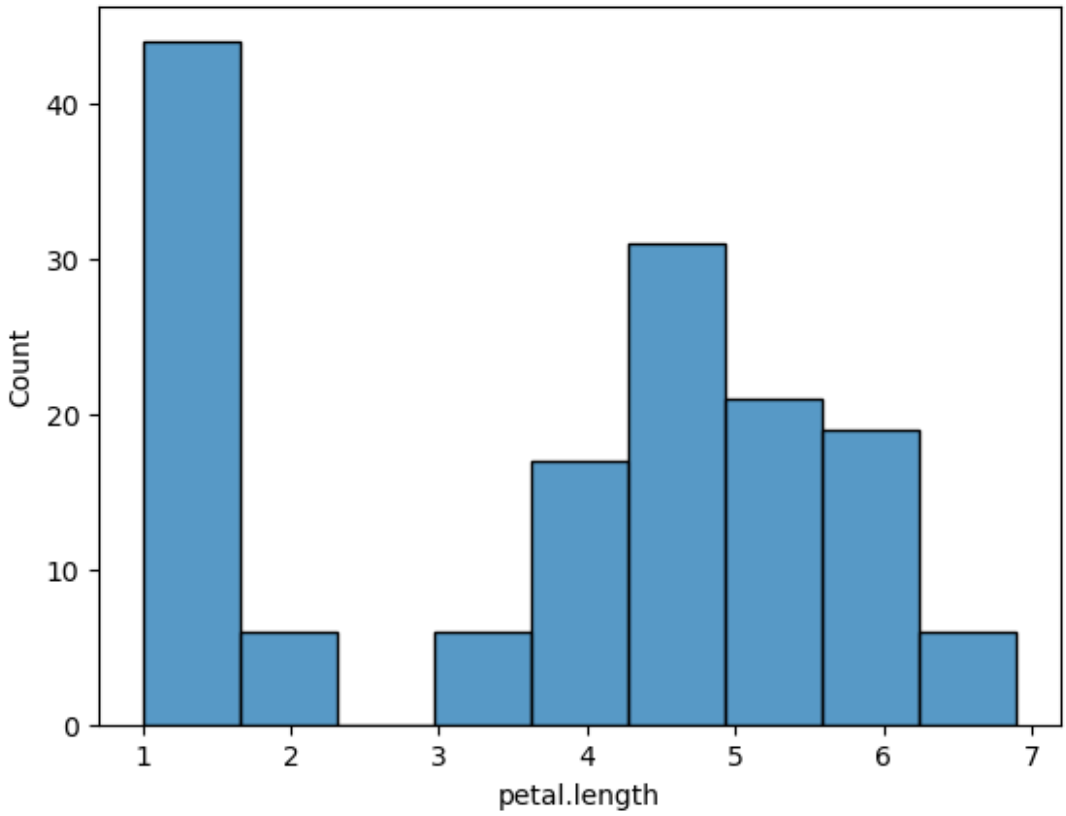
```
sns.histplot(df['sepal.length'])
```

```
<Axes: xlabel='sepal.length', ylabel='Count'>
```



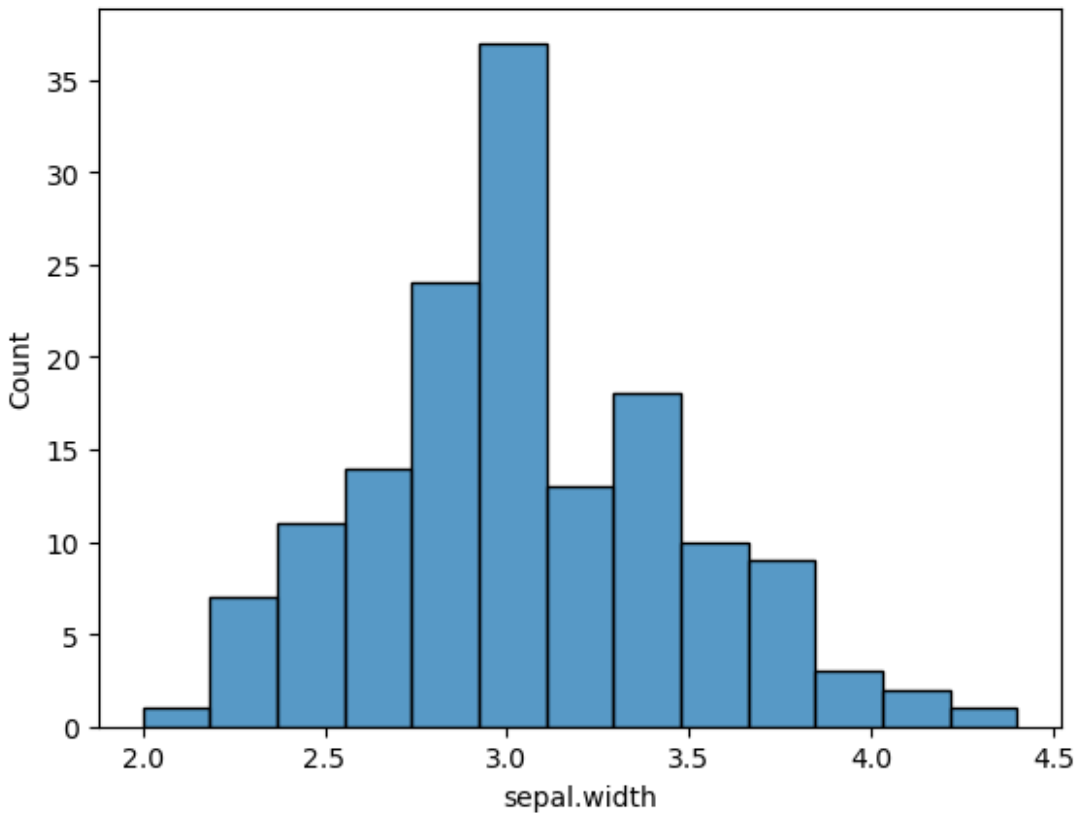

```
sns.histplot(df['petal.length'])
```

```
<Axes: xlabel='petal.length', ylabel='Count'>
```



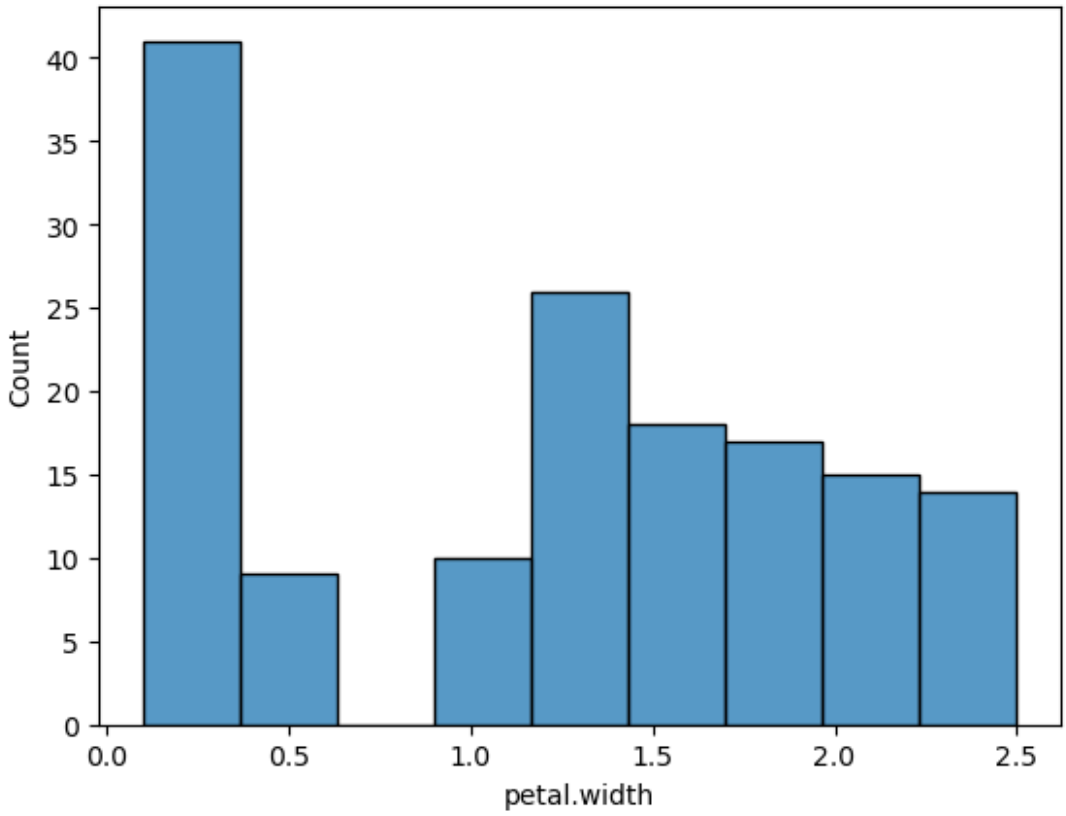

```
sns.histplot(df['sepal.width'])
```

```
<Axes: xlabel='sepal.width', ylabel='Count'>
```



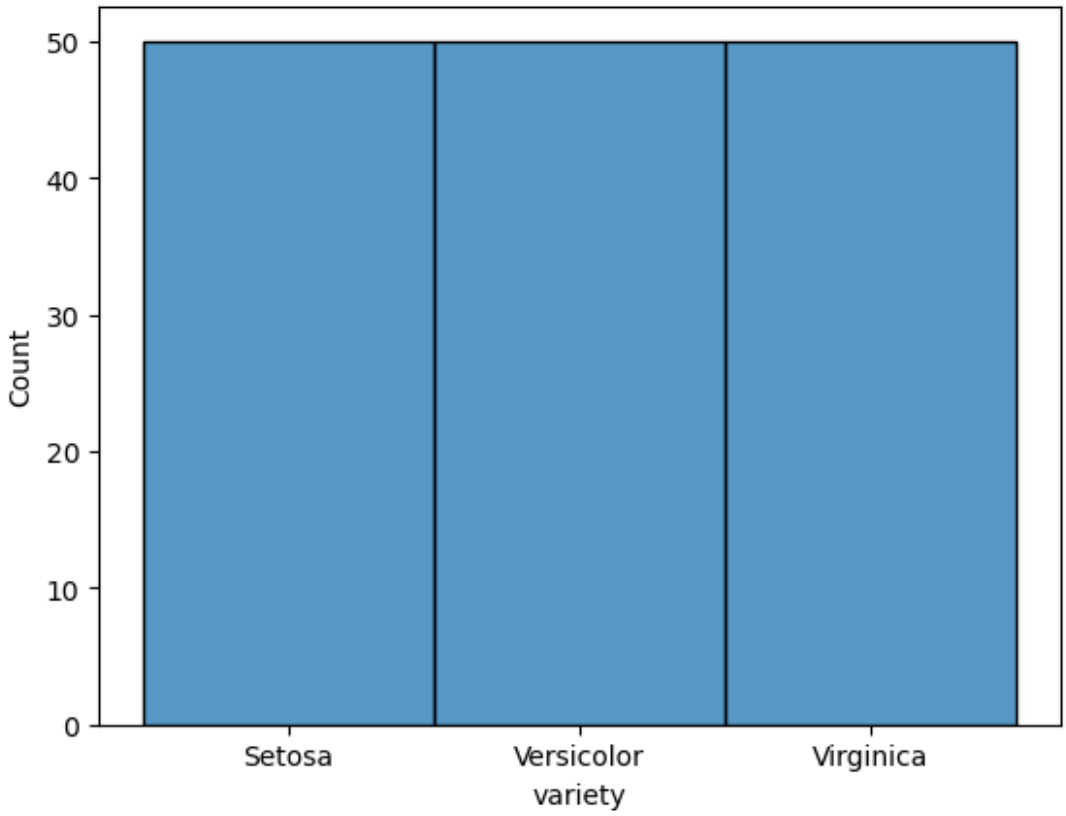

```
sns.histplot(df['petal.width'])
```

```
<Axes: xlabel='petal.width', ylabel='Count'>
```




```
sns.histplot(df['variety'])
```

```
<Axes: xlabel='variety', ylabel='Count'>
```

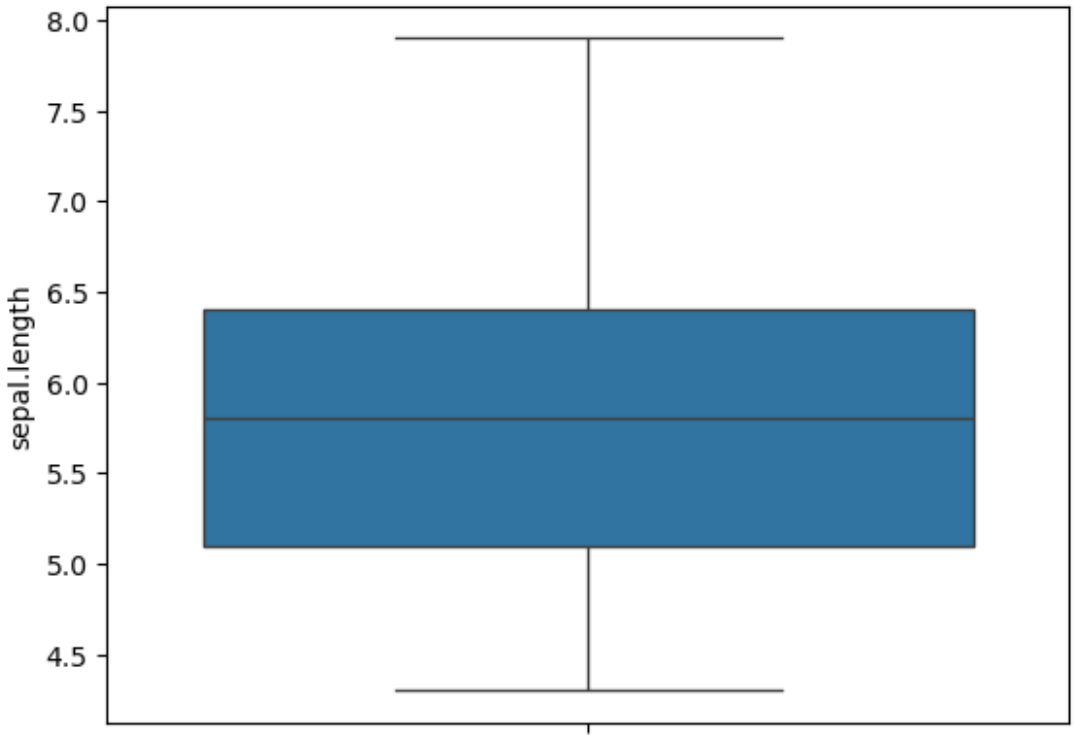



```
df['variety'].value_counts()
```

```
variety
Setosa        50
Versicolor    50
Virginica     50
Name: count, dtype: int64
```

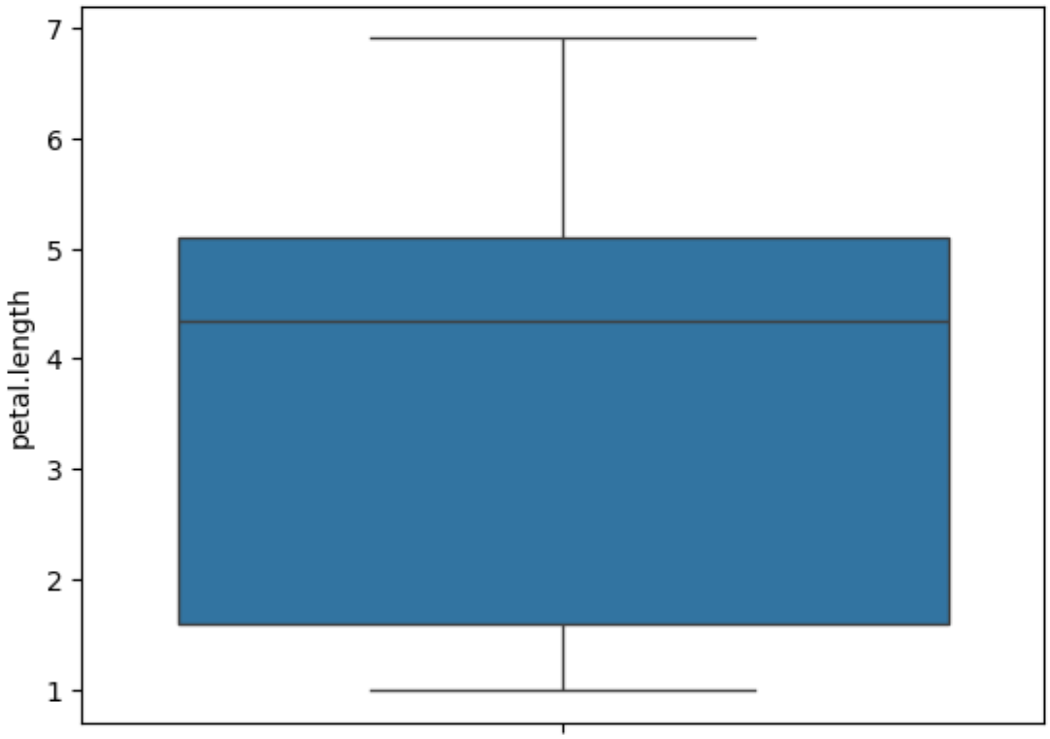
```
sns.boxplot(df['sepal.length'])
```

```
<Axes: ylabel='sepal.length'>
```



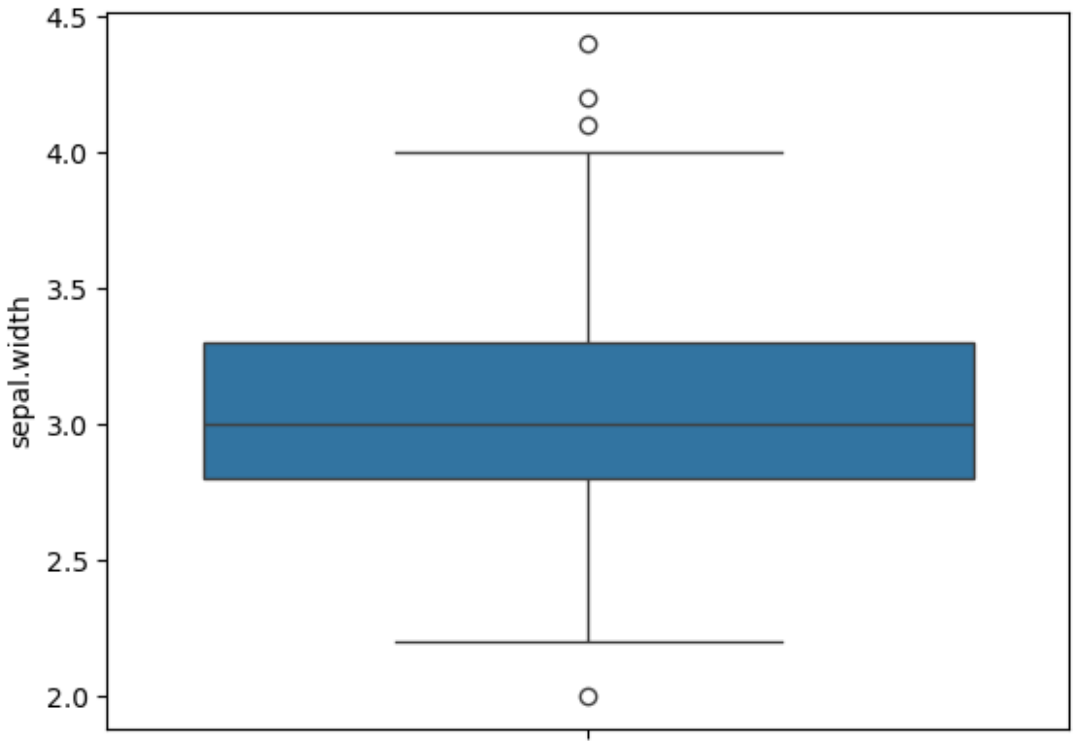

```
sns.boxplot(df['petal.length'])
```

```
<Axes: ylabel='petal.length'>
```



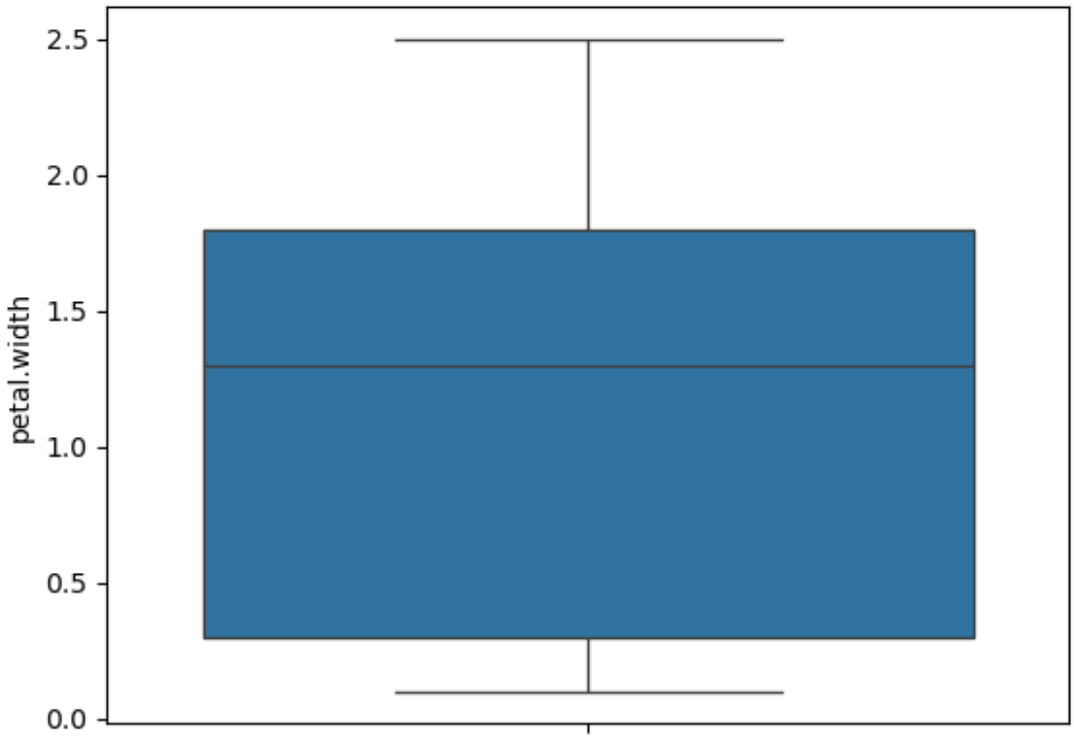
```
sns.boxplot(df['sepal.width'])
```

```
<Axes: ylabel='sepal.width'>
```



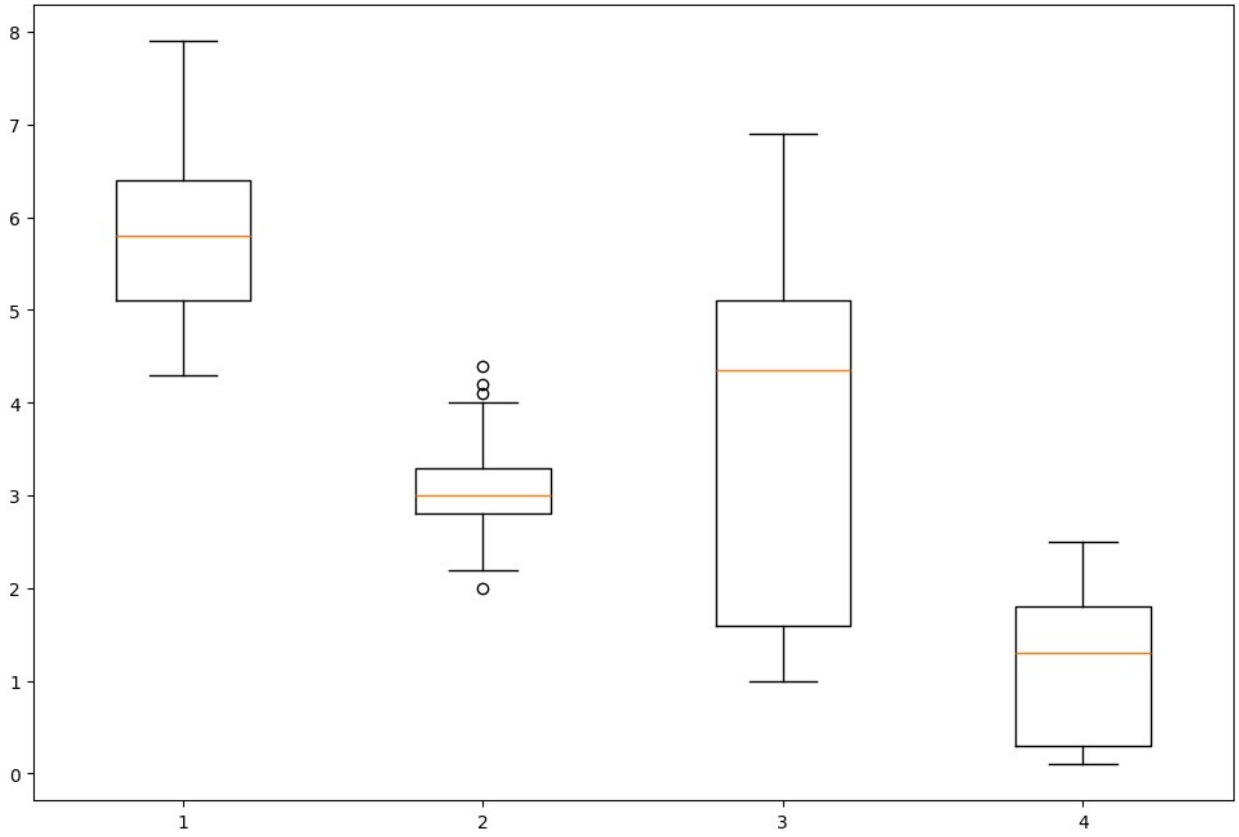

```
sns.boxplot(df['petal.width'])
```

```
<Axes: ylabel='petal.width'>
```




```
data_to_plot=[df['sepal.length'],df['sepal.width'],df['petal.length'],
df['petal.width']]
fig   =    plt.figure(1,figsize=(12,8))
ax    =    fig.add_subplot(111)

bp    =    ax.boxplot(data_to_plot)
```


8
7
6
5
4
3
2
1
0
1
2
3
4