

Assignment 10

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

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In [2]: data = pd.read_csv('iris.csv')
```

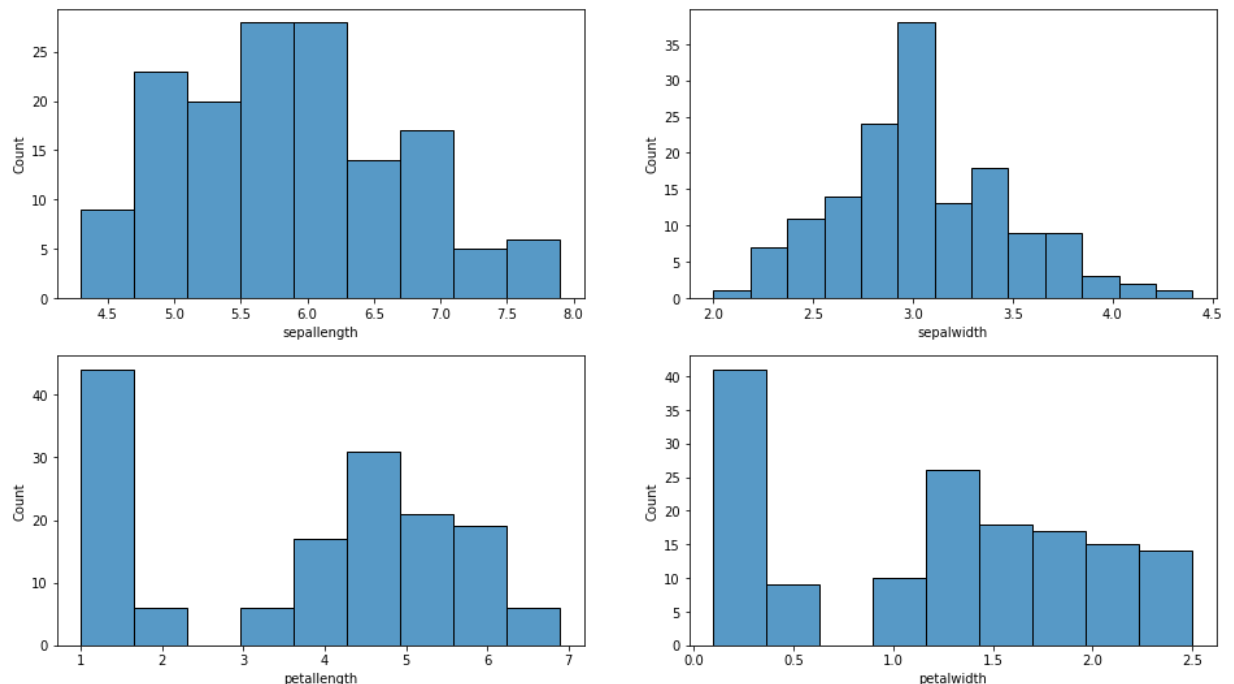
```
In [3]: data.head()
```

Out[3]:

	sepalength	sepalwidth	petallength	petalwidth	class
0	5.1	3.5	1.4	0.2	Iris-setosa
1	4.9	3.0	1.4	0.2	Iris-setosa
2	4.7	3.2	1.3	0.2	Iris-setosa
3	4.6	3.1	1.5	0.2	Iris-setosa
4	5.0	3.6	1.4	0.2	Iris-setosa

```
In [4]: import matplotlib.pyplot as plt
fig, axes = plt.subplots(2, 2, figsize = (16, 9))
sns.histplot(data['sepalength'], ax = axes[0, 0])
sns.histplot(data['sepalwidth'], ax = axes[0, 1])
sns.histplot(data['petallength'], ax = axes[1, 0])
sns.histplot(data['petalwidth'], ax = axes[1, 1])
```

Out[4]: <AxesSubplot:xlabel='petalwidth', ylabel='Count'>



```
In [5]: import matplotlib.pyplot as plt
fig, axes = plt.subplots(2, 2, figsize = (16, 9))
sns.boxplot(y = 'petallength', x = 'class', data = data, ax = axes[0,0])
sns.boxplot(y = 'petalwidth', x = 'class', data = data, ax = axes[0,1])
sns.boxplot(y = 'sepallength', x = 'class', data = data, ax = axes[1,0])
sns.boxplot(y = 'sepalwidth', x = 'class', data = data, ax = axes[1,1])
```

Out[5]: <AxesSubplot:xlabel='class', ylabel='sepalwidth'>

