Data Visualization III

May 2, 2022

[1]:
```
import seaborn as sb
```

[2]:
```
data = sb.load_dataset('iris')
```

[3]:
```
data
```

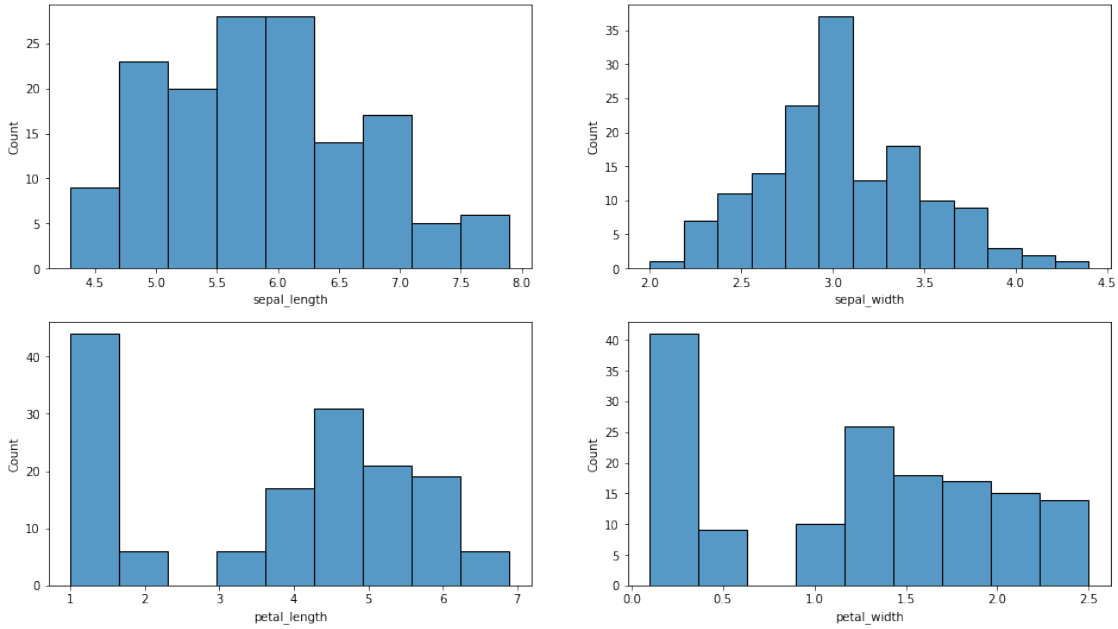
[3]:

	sepal_length	sepal_width	petal_length	petal_width	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
..	…	…	…	…	…
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica
149	5.9	3.0	5.1	1.8	virginica

[150 rows x 5 columns]

[4]:
```
import matplotlib.pyplot as plt
fig, axes = plt.subplots(2,2,figsize=(16,9))
sb.histplot(data['sepal_length'],ax=axes[0,0])
sb.histplot(data['sepal_width'],ax=axes[0,1])
sb.histplot(data['petal_length'],ax=axes[1,0])
sb.histplot(data['petal_width'],ax=axes[1,1])
```

[4]:
```
<AxesSubplot:xlabel='petal_width', ylabel='Count'>
```



[5]:
```
import matplotlib.pyplot as plt
fig, axes = plt.subplots(2,2,figsize=(16,9))
sb.boxplot(y='sepal_length',x='species',data=data,ax=axes[0,0])
sb.boxplot(y='sepal_width',x='species',data=data,ax=axes[0,1])
sb.boxplot(y='petal_length',x='species',data=data,ax=axes[1,0])
sb.boxplot(y='petal_width',x='species',data=data,ax=axes[1,1])
```

[5]: <AxesSubplot:xlabel='species', ylabel='petal_width'>