```
import seaborn as sns
iris = sns.load_dataset("iris")
iris
```

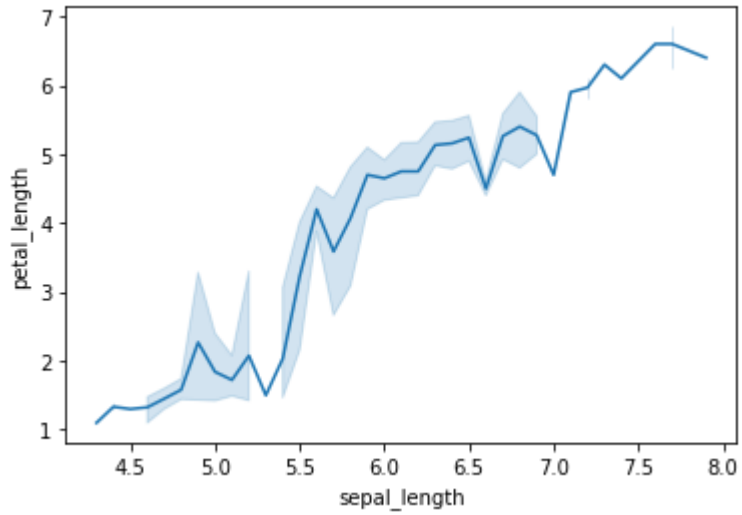
	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa
...	...	...	...	...	...
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica
149	5.9	3.0	5.1	1.8	virginica

150 rows × 5 columns

1. Line Graph

```
from matplotlib import pyplot as plt
sns.lineplot(x='sepal_length',y="petal_length",data=iris)
```

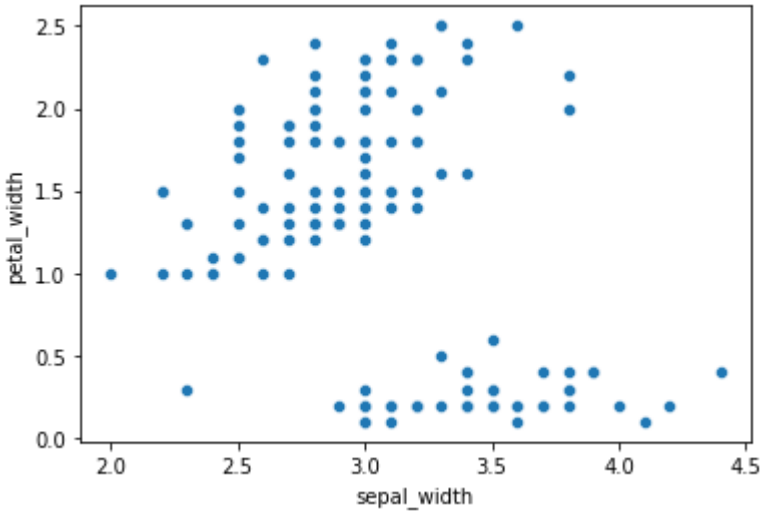
```
<matplotlib.axes._subplots.AxesSubplot at 0x7fdc735e6e90>
```



2. Scatter Plot

```
sns.scatterplot(x='sepal_width',y="petal_width",data=iris)
```

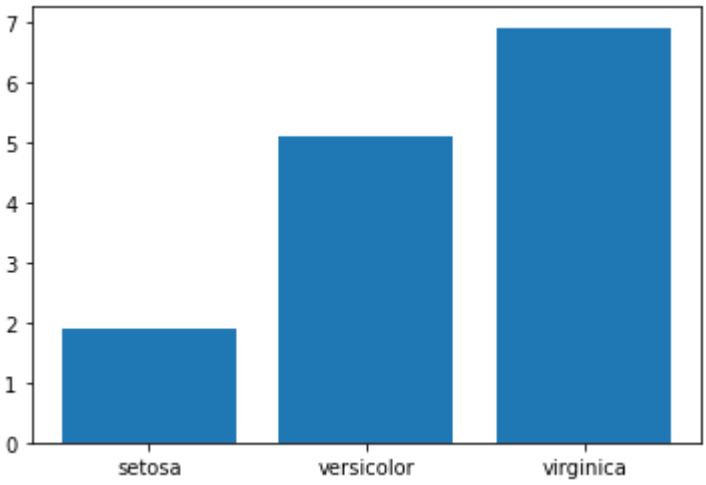
```
<matplotlib.axes._subplots.AxesSubplot at 0x7fdc73546cd0>
```



3. Bar Graph

```
plt.bar(iris['species'],iris['petal_length'])
```

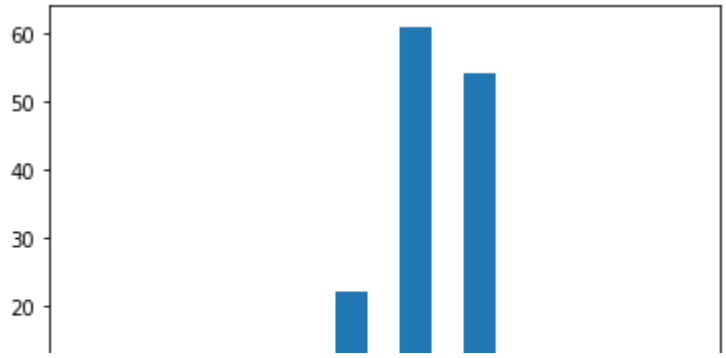
```
<BarContainer object of 150 artists>
```



4. Histogram

```
bins = [0,1,2,3,4,5,6,7,8,9,10]
plt.hist(iris['sepal_length'],bins,histtype='bar',rwidth=0.5)
```

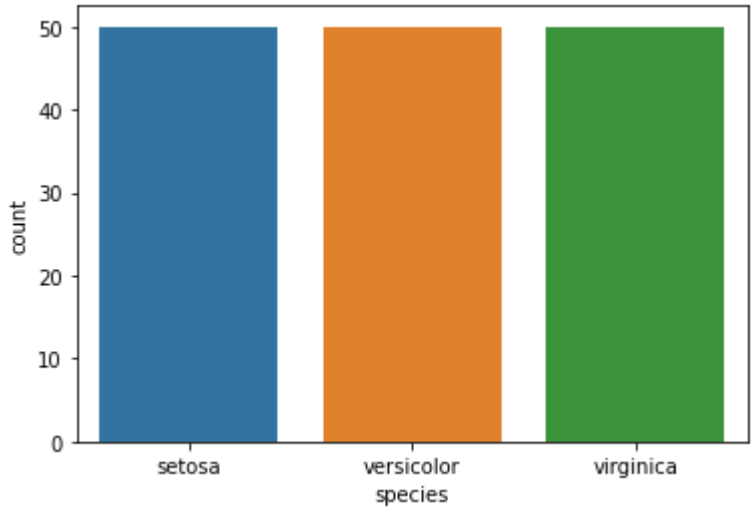
```
(array([ 0.,  0.,  0.,  0., 22., 61., 54., 13.,  0.,  0.]),
 array([ 0,  1,  2,  3,  4,  5,  6,  7,  8,  9, 10]),
 <a list of 10 Patch objects>)
```



5. Count Plot


```
sns.countplot(x='species',data=iris)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7fdc7324ad10>
```



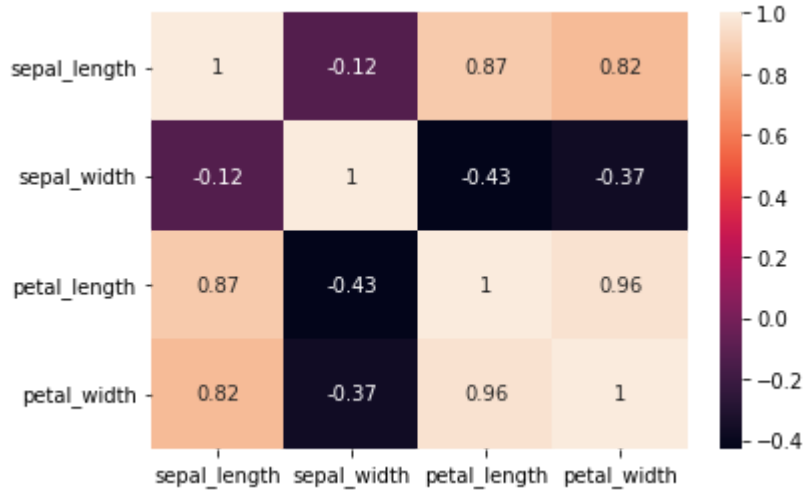
6. Heatmap

```
iris.corr()
```

	sepal_length	sepal_width	petal_length	petal_width
sepal_length	1.000000	-0.117570	0.871754	0.817941
sepal_width	-0.117570	1.000000	-0.428440	-0.366126
petal_length	0.871754	-0.428440	1.000000	0.962865
petal_width	0.817941	-0.366126	0.962865	1.000000

```
sns.heatmap(iris.corr(),annot=True)
```

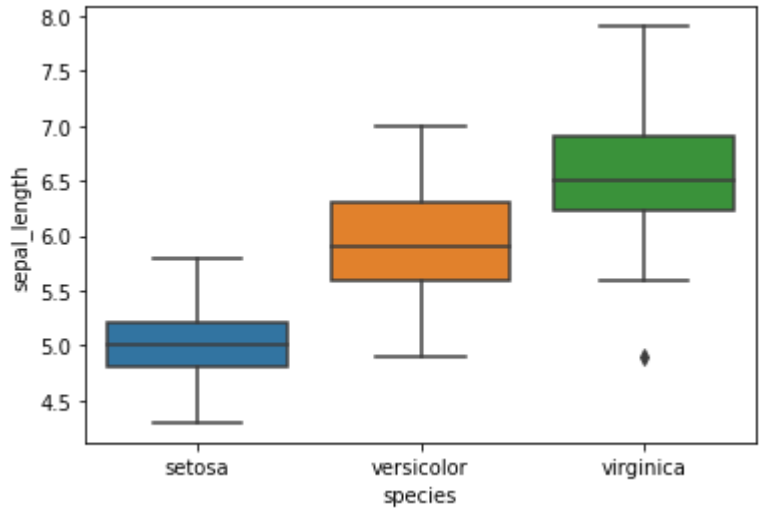
```
<matplotlib.axes._subplots.AxesSubplot at 0x7fdc7320a290>
```



7. Box Plot

```
sns.boxplot(x='species',y='sepal_length',data=iris)
```

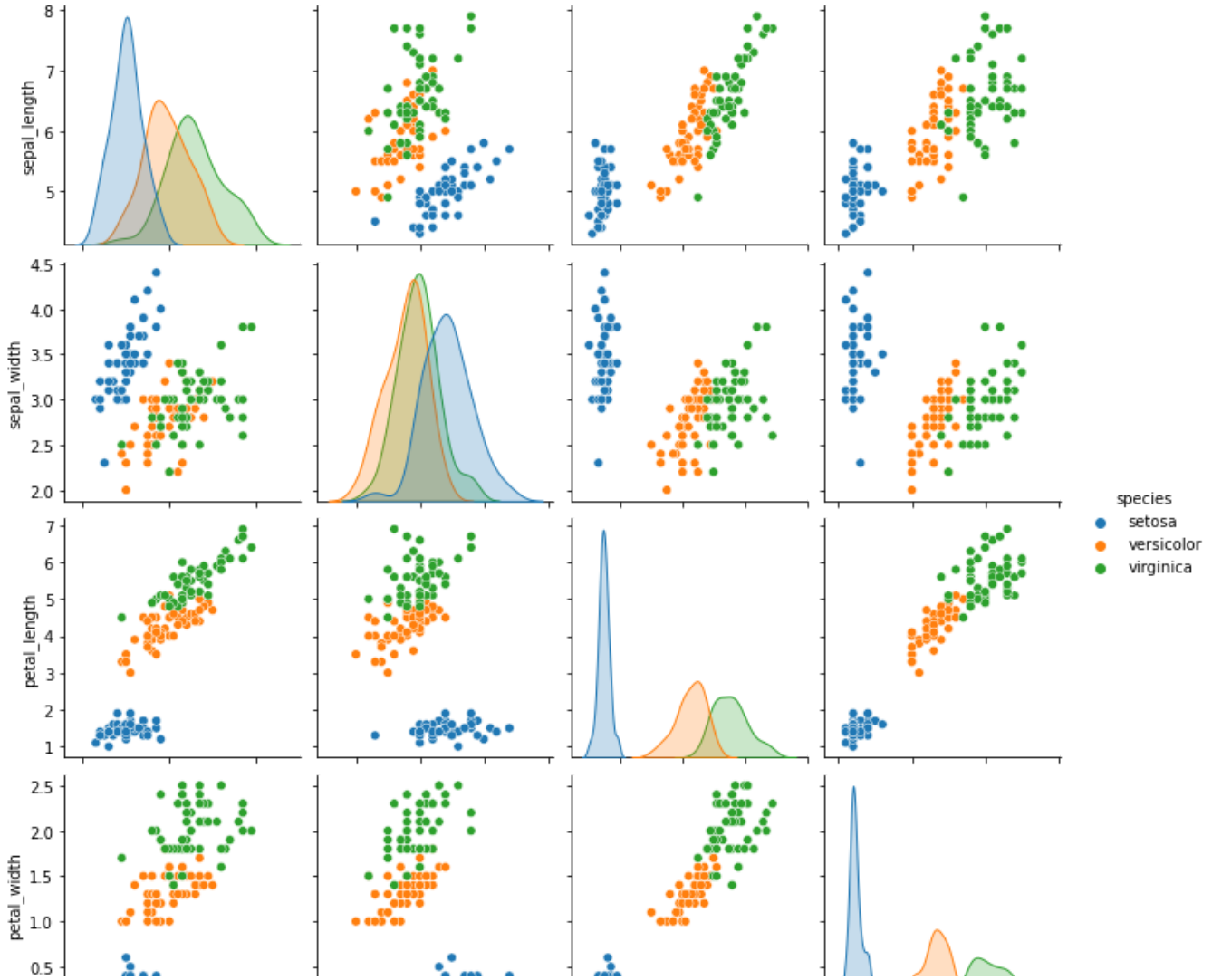
```
<matplotlib.axes._subplots.AxesSubplot at 0x7fdc730ef790>
```



8. Pair Plot

```
sns.pairplot(iris, hue ='species')
```

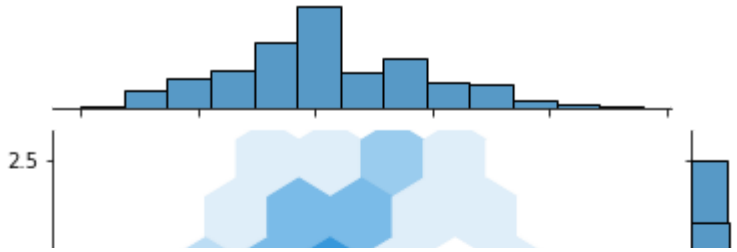
```
<seaborn.axisgrid.PairGrid at 0x7fdc73076d50>
```



9. Joint Plot

```
sns.jointplot(x='sepal_width',y='petal_width',data=iris,kind='hex')
```

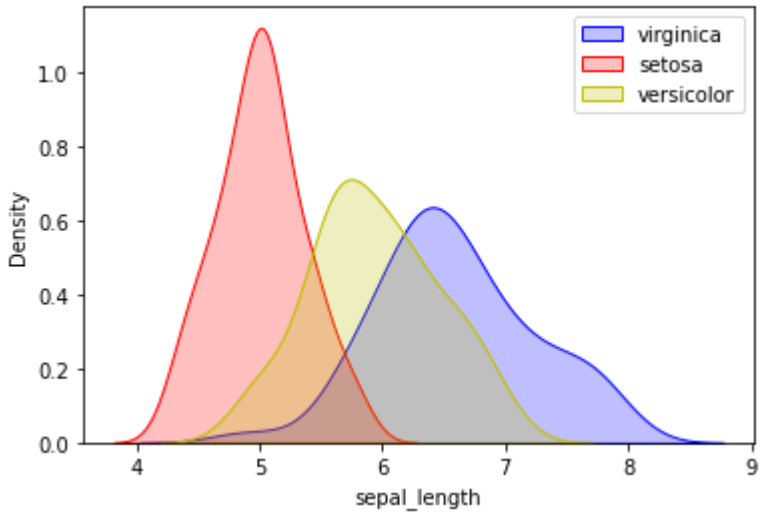
```
<seaborn.axisgrid.JointGrid at 0x7fdc72c0c610>
```



10. Kernel Density Plot

```
import pandas as pd
sns.kdeplot(iris.loc[(iris['species']=='virginica'),'sepal_length'], color='b', shade=True,la
sns.kdeplot(iris.loc[(iris['species']=='setosa'),'sepal_length'], color='r', shade=True, labe
sns.kdeplot(iris.loc[(iris['species']=='versicolor'),'sepal_length'], color='y', shade=True,
plt.legend()
```

```
<matplotlib.legend.Legend at 0x7fdc72799c90>
```



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