Visualization-Assesment

In [1]:
```
import seaborn as sns
```

In [2]:
```
iris = sns.load_dataset('iris')
```

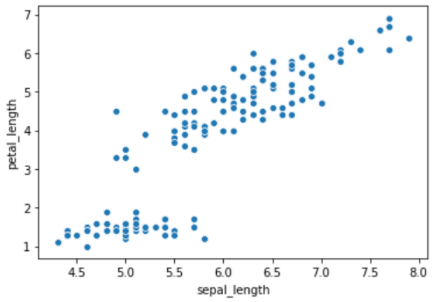
In [3]:
```
iris
```

Out[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
5	5.4	3.9	1.7	0.4	setosa
6	4.6	3.4	1.4	0.3	setosa
7	5.0	3.4	1.5	0.2	setosa
8	4.4	2.9	1.4	0.2	setosa
9	4.9	3.1	1.5	0.1	setosa

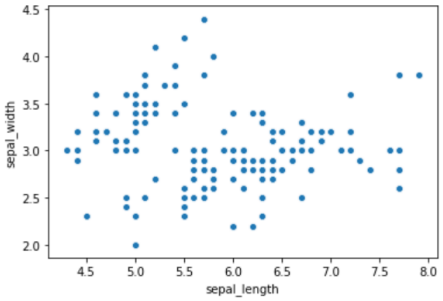
In [4]:
```
sns.scatterplot(x="sepal_length",y="petal_length",data=iris)
```

Out[4]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274ff87bd68>
```



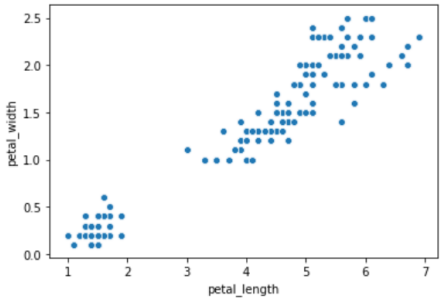
In [5]:
```
sns.scatterplot(x="sepal_length",y="sepal_width",data=iris)
```

Out[5]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274ff87b828>
```



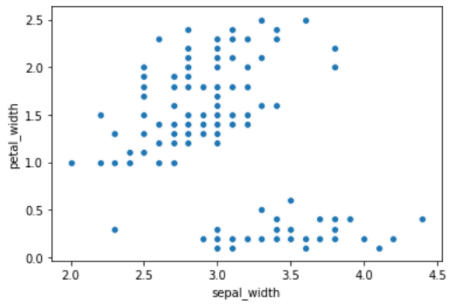
In [6]:
```
sns.scatterplot(x="petal_length",y="petal_width",data=iris)
```

Out[6]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274ffc41400>
```



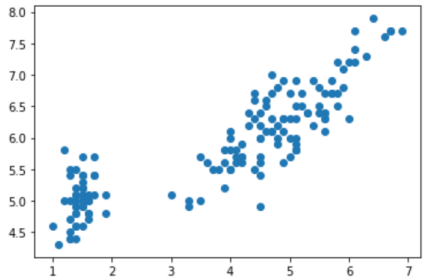
In [7]:
```
sns.scatterplot(x="sepal_width",y="petal_width",data=iris)
```

Out[7]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274ffca7ba8>
```



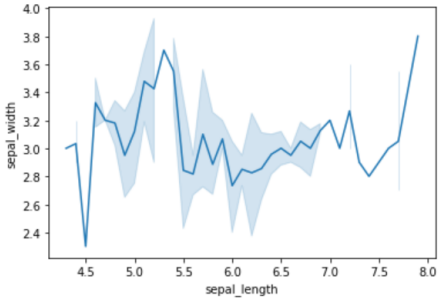
In [8]:
```
import matplotlib.pyplot as plt

plt.scatter(iris["petal_length"],iris["sepal_length"])
```

Out[8]:
```
<matplotlib.collections.PathCollection at 0x274ffd2a208>
```



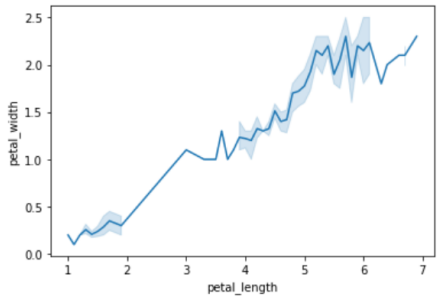
In [9]:
```
sns.lineplot(x="sepal_length",y="sepal_width",data=iris)
```

Out[9]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274ffd6cef0>
```



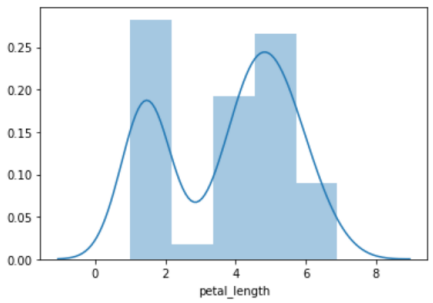
In [10]:
```
sns.lineplot(x="petal_length",y="petal_width",data=iris)
```

Out[10]: <matplotlib.axes._subplots.AxesSubplot at 0x274ffdfeb38>



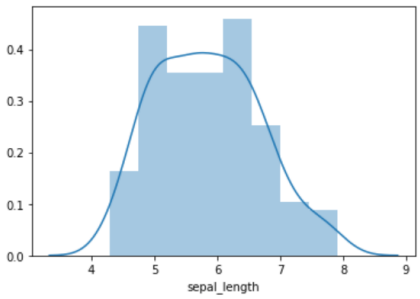
In [11]:
```
sns.distplot(iris["petal_length"])
```

Out[11]: <matplotlib.axes._subplots.AxesSubplot at 0x274ffe66a20>



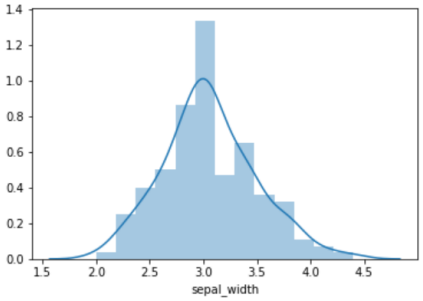
In [12]:
```
sns.distplot(iris["sepal_length"])
```

Out[12]: <matplotlib.axes._subplots.AxesSubplot at 0x274ffece588>



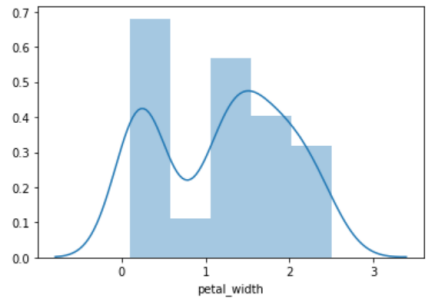
In [13]:
```
sns.distplot(iris["sepal_width"])
```

Out[13]: <matplotlib.axes._subplots.AxesSubplot at 0x274fff439b0>



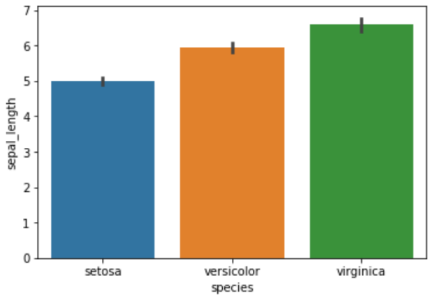
In [14]:
```
sns.distplot(iris["petal_width"])
```

Out[14]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274fffc9780>
```



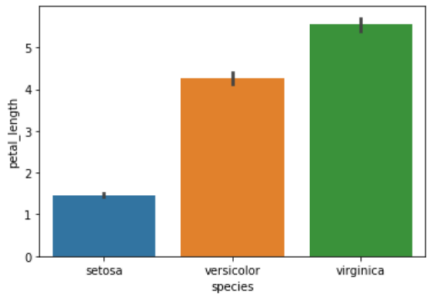
In [15]:
```
sns.barplot(x="species",y="sepal_length",data=iris)
```

Out[15]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x27481026668>
```



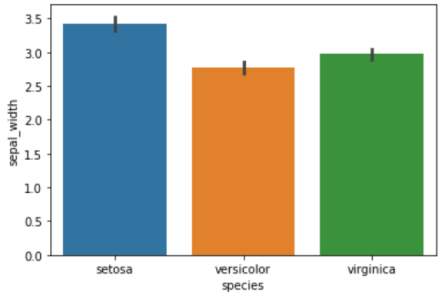
In [16]:
```
sns.barplot(x="species",y="petal_length",data=iris)
```

Out[16]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x2748105a1d0>
```



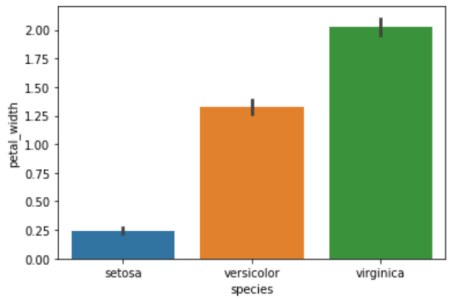
In [17]:
```
sns.barplot(x="species",y="sepal_width",data=iris)
```

Out[17]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274810d16a0>
```



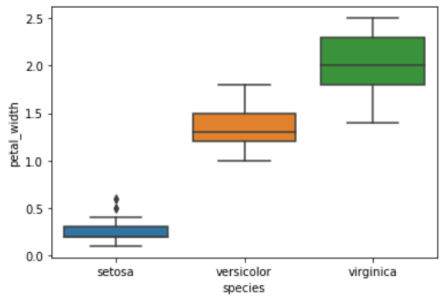
In [18]:
```
sns.barplot(x="species",y="petal_width",data=iris)
```

Out[18]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x27481126be0>
```



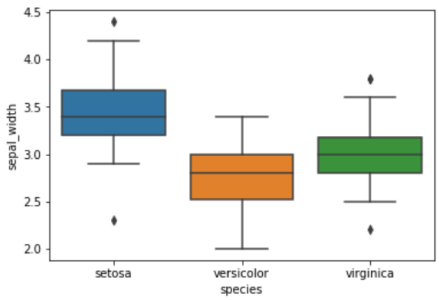
In [19]:
```
sns.boxplot(x="species",y="petal_width",data=iris)
```

Out[19]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274811a0f60>
```



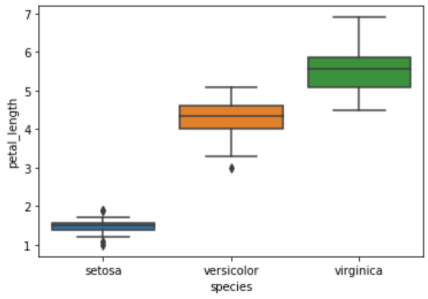
In [20]:
```
sns.boxplot(x="species",y="sepal_width",data=iris)
```

Out[20]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x2748121df98>
```



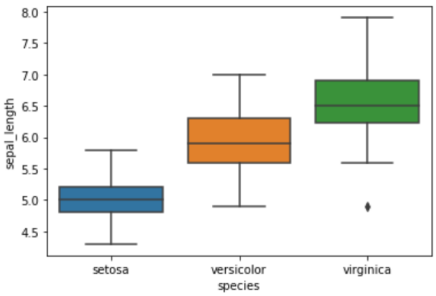
In [21]:
```
sns.boxplot(x="species",y="petal_length",data=iris)
```

Out[21]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274812b4b00>
```



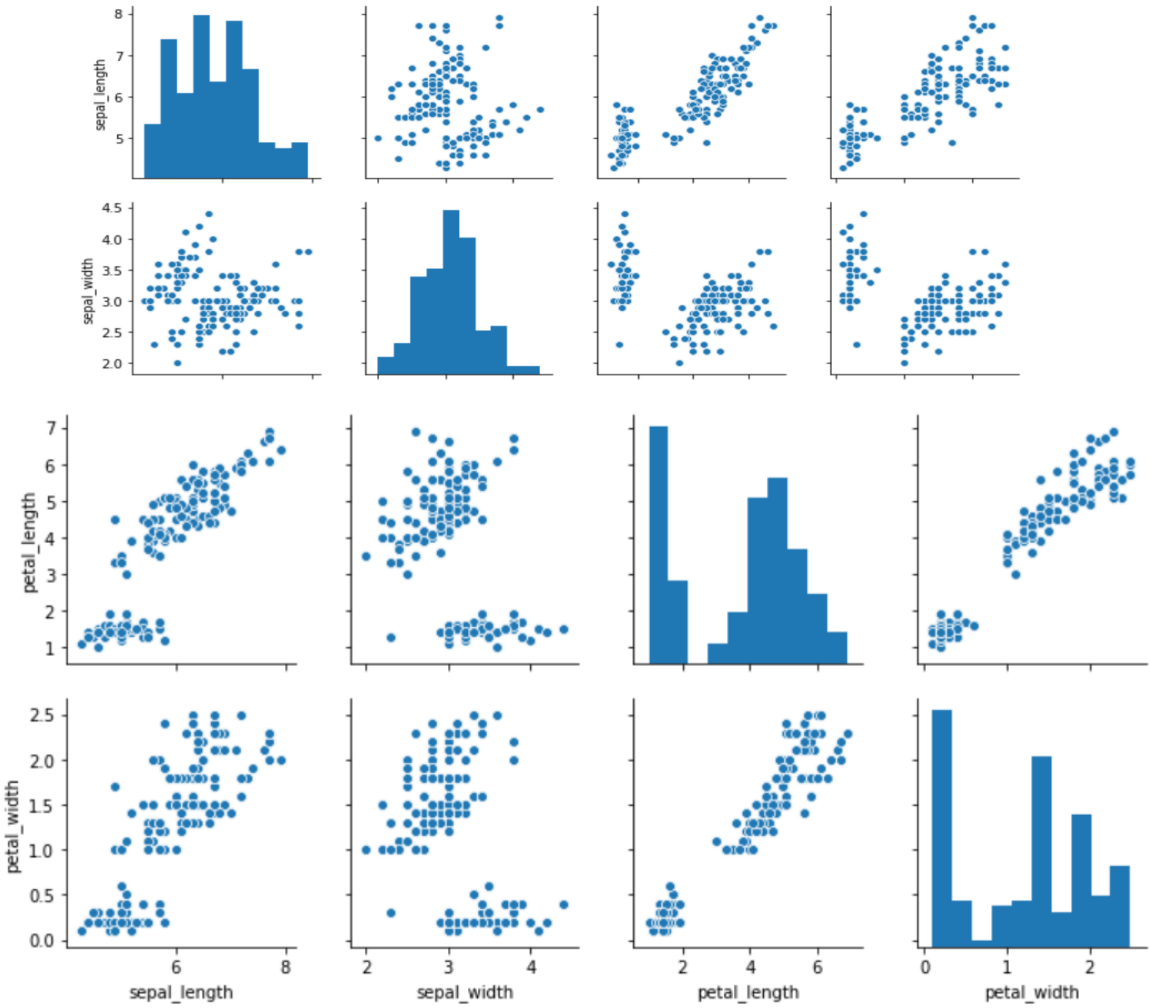
In [22]:
```
sns.boxplot(x="species",y="sepal_length",data=iris)
```

Out[22]: <matplotlib.axes._subplots.AxesSubplot at 0x2748129ceb8>



In [23]:
```
sns.pairplot(iris)
```

Out[23]: <seaborn.axisgrid.PairGrid at 0x274813d8d30>



In [24]:
```
sns.heatmap(iris.corr(),annot=True)
```

Out[24]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x274813d8f60>
```