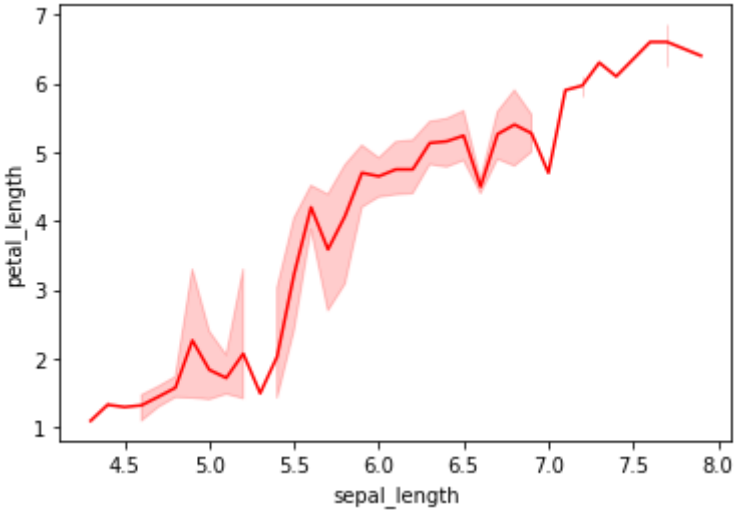
```
import matplotlib.pyplot as plt
import seaborn as sns


data=sns.load_dataset("iris")
data
```

	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

```
sns.lineplot(x="sepal_length",y="petal_length",data=data,color="red")
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f9b78710>
```

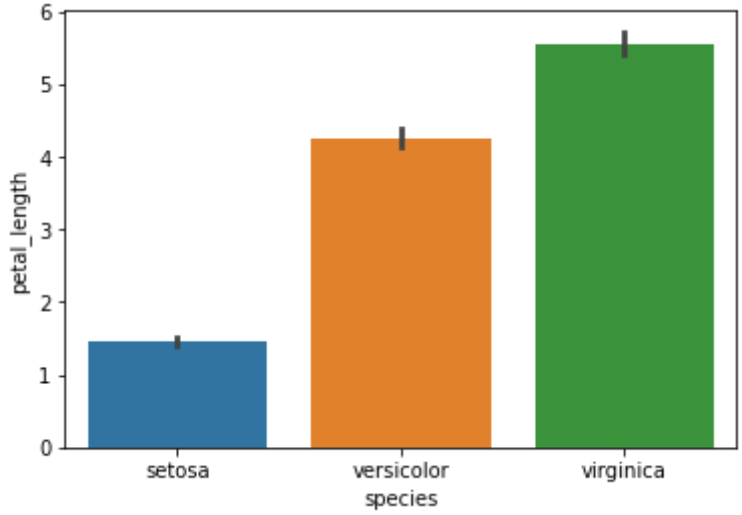



```
sns.scatterplot(x="sepal_width",y="petal_width",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f96b5b38>
```

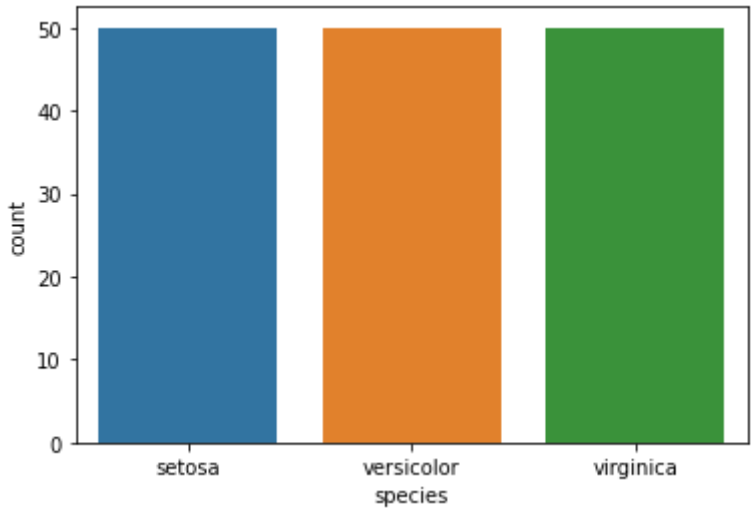

```
sns.barplot(x="species",y="petal_length",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4fa0bd668>
```



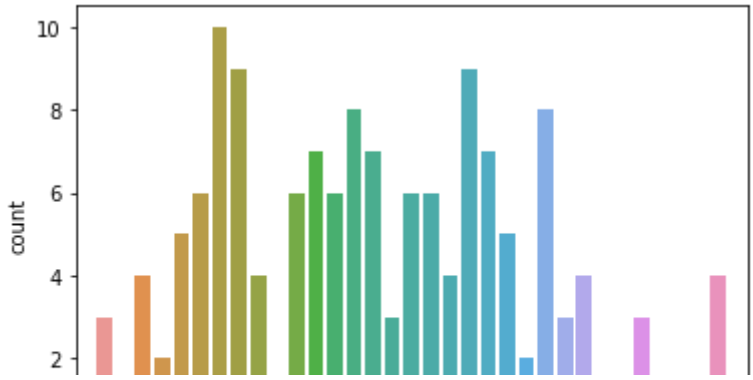

```
sns.countplot(x="species",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f94ee390>
```



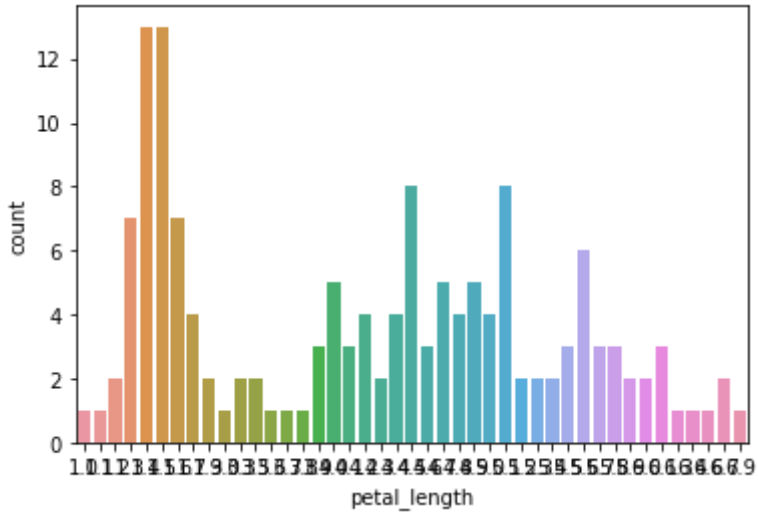

```
sns.countplot(x="sepal_length",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f94c4630>
```



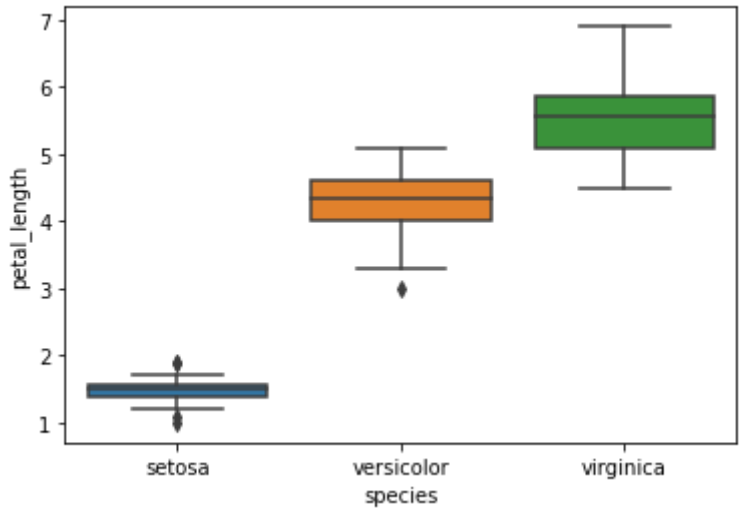

```
sns.countplot(x="petal_length",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f9355b38>
```



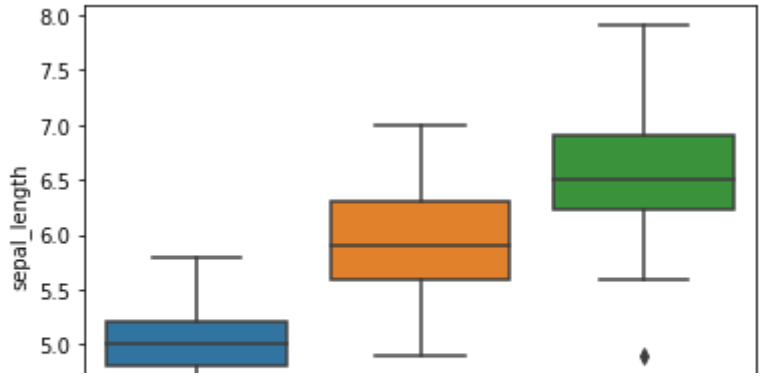

```
sns.boxplot(x="species",y="petal_length",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f96b5dd8>
```




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

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f91a8358>
```

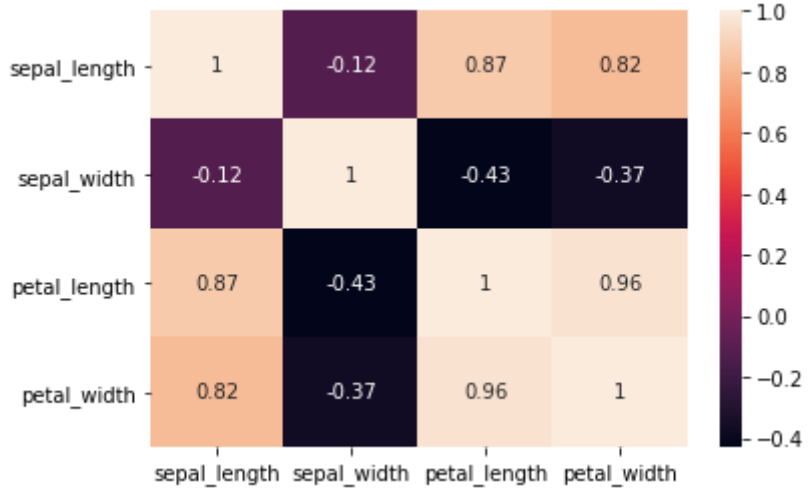



```
data.corr()
```

	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(data.corr(),annot=True)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f913fbe0>
```

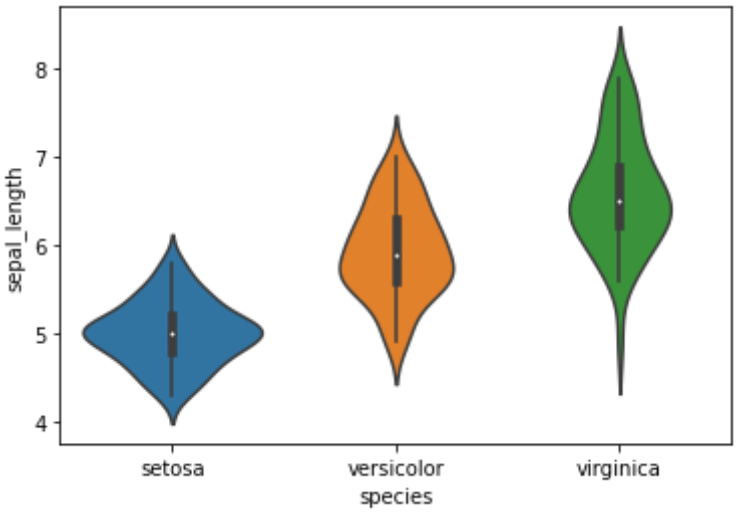



```
sns.swarmplot(x="species",y="petal_length",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f9569b00>
```

```
sns.violinplot(x="species",y="sepal_length",data=data)
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7ff4f9b5f400>
```




```
sns.catplot(x="petal_length",y="petal_width",data=data)
```

```
<seaborn.axisgrid.FacetGrid at 0x7ff4fa0bd208>
```