In [1]:

```
import matplotlib.pyplot as plt
```

In [2]:

```
import seaborn as sns
```

In [3]:

```
a=sns.load_dataset("flights")
a.describe()
```

Out[3]:

	year	passengers
count	144.000000	144.000000
mean	1954.500000	280.298611
std	3.464102	119.966317
min	1949.000000	104.000000
25%	1951.750000	180.000000
50%	1954.500000	265.500000
75%	1957.250000	360.500000
max	1960.000000	622.000000

In [ ]:

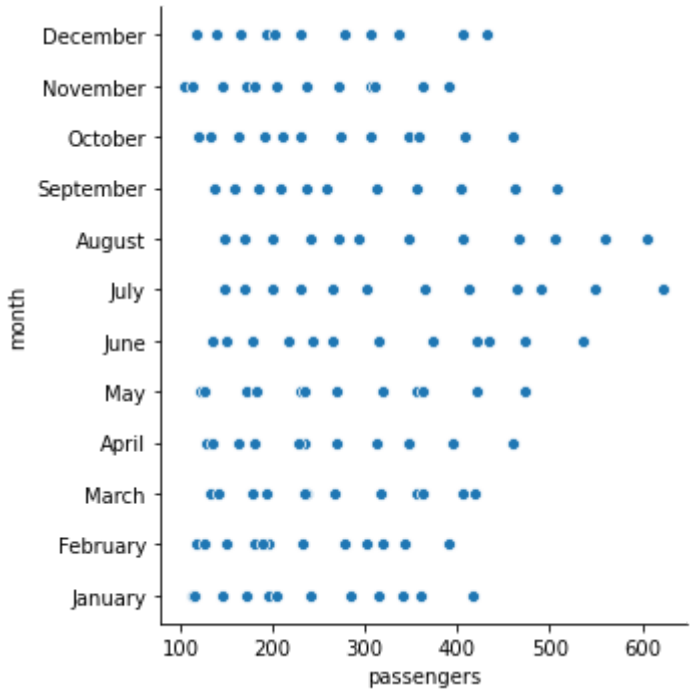
```
a.sample(5)
```

In [4]:

```
sns.relplot(x="passengers", y="month", data=a)
```

Out[4]:

```
<seaborn.axisgrid.FacetGrid at 0x1e629886860>
```

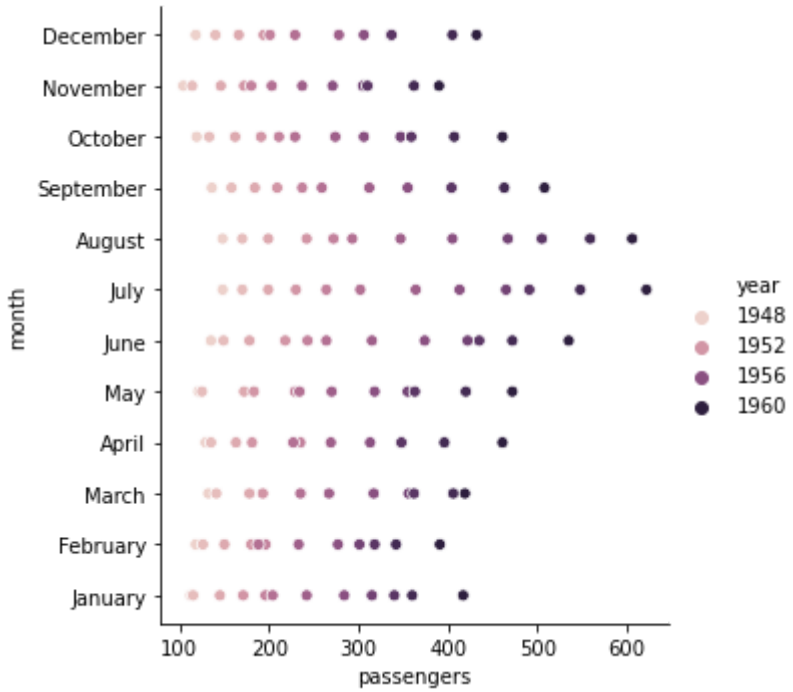


In [5]:

```
sns.relplot(x="passengers", y="month", hue="year", data=a)
```

Out[5]:

```
<seaborn.axisgrid.FacetGrid at 0x1e629bd6390>
```



In [6]:

```
b=sns.load_dataset("tips")
b.sample(5)
```

Out[6]:

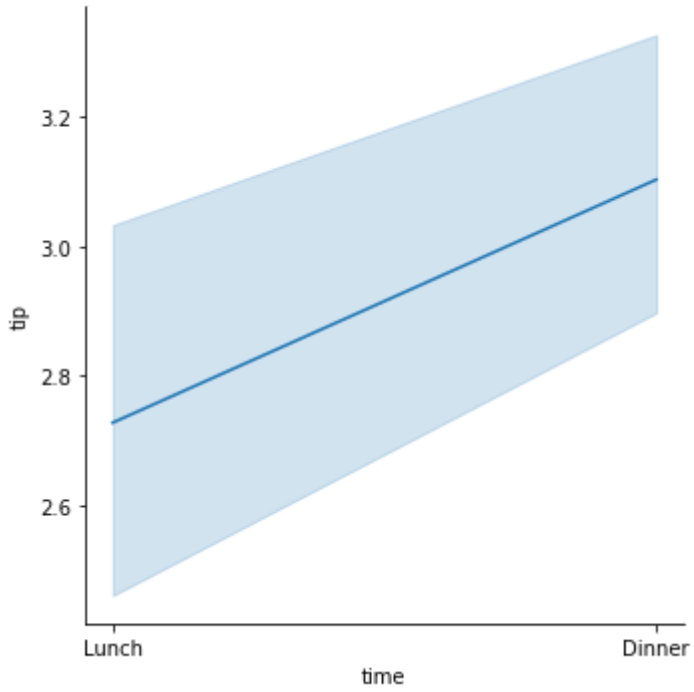
	total_bill	tip	sex	smoker	day	time	size
102	44.30	2.50	Female	Yes	Sat	Dinner	3
99	12.46	1.50	Male	No	Fri	Dinner	2
243	18.78	3.00	Female	No	Thur	Dinner	2
208	24.27	2.03	Male	Yes	Sat	Dinner	2
93	16.32	4.30	Female	Yes	Fri	Dinner	2

In [7]:

```
sns.relplot(x="time",y="tip", data =b ,kind= "line")
```

Out[7]:

```
<seaborn.axisgrid.FacetGrid at 0x1e629c92320>
```

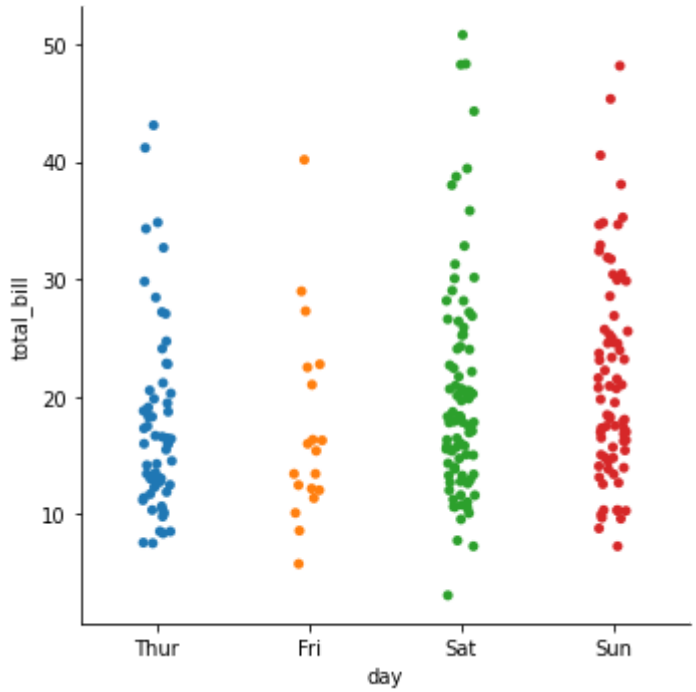


In [8]:

```
sns.catplot(x="day", y="total_bill", data=b)
```

Out[8]:

```
<seaborn.axisgrid.FacetGrid at 0x1e629cd89b0>
```

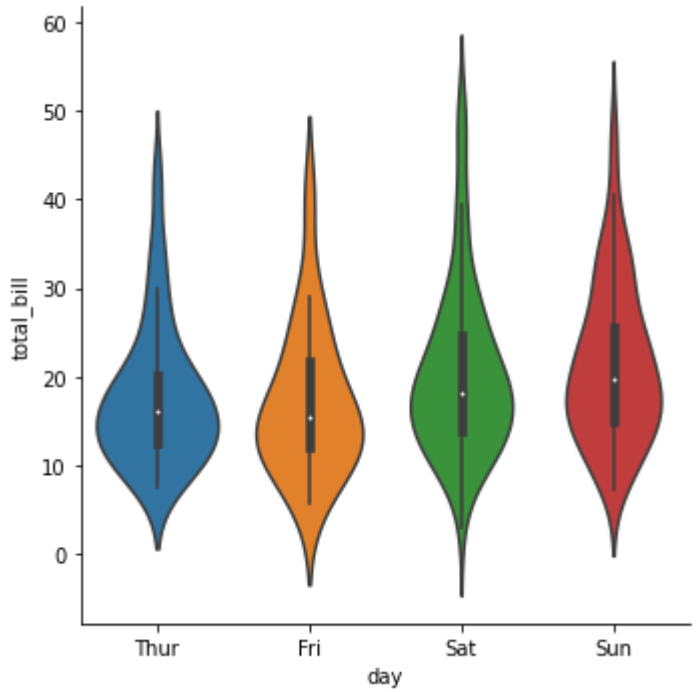


In [9]:

```
sns.catplot(x="day", y="total_bill", data=b ,kind="violin")
```

Out[9]:

```
<seaborn.axisgrid.FacetGrid at 0x1e629d2f860>
```

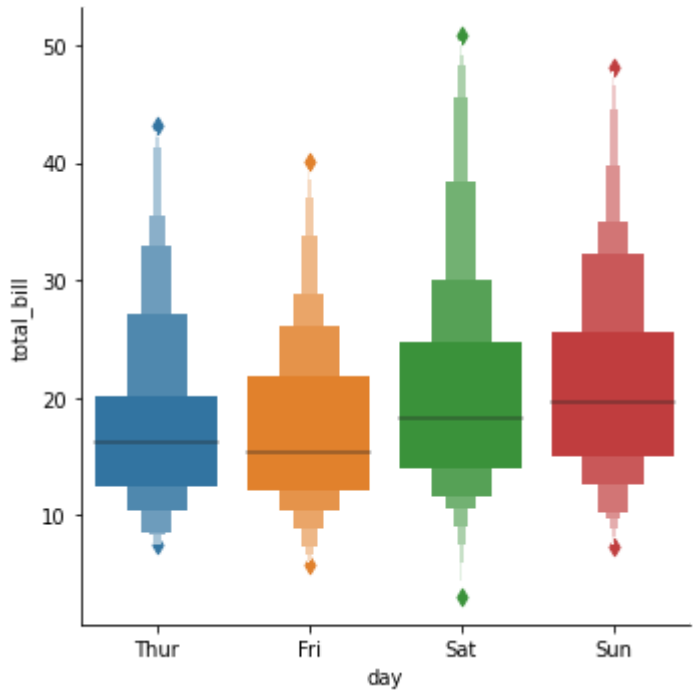


In [10]:

```
sns.catplot(x="day", y="total_bill", data=b ,kind="boxen")
```

Out[10]:

```
<seaborn.axisgrid.FacetGrid at 0x1e629d7f9e8>
```



In [11]:

```
c=sns.load_dataset("iris")
c.sample(5)
```

Out[11]:

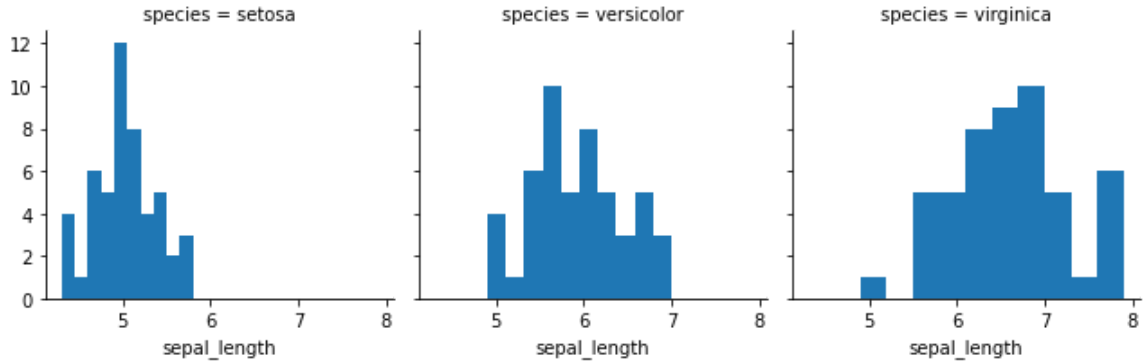
	sepal_length	sepal_width	petal_length	petal_width	species
71	6.1	2.8	4.0	1.3	versicolor
48	5.3	3.7	1.5	0.2	setosa
106	4.9	2.5	4.5	1.7	virginica
53	5.5	2.3	4.0	1.3	versicolor
131	7.9	3.8	6.4	2.0	virginica

In [12]:

```
x=sns.FacetGrid(c,col="species")
x.map(plt.hist,"sepal_length")
```

Out[12]:

```
<seaborn.axisgrid.FacetGrid at 0x1e629e98a90>
```

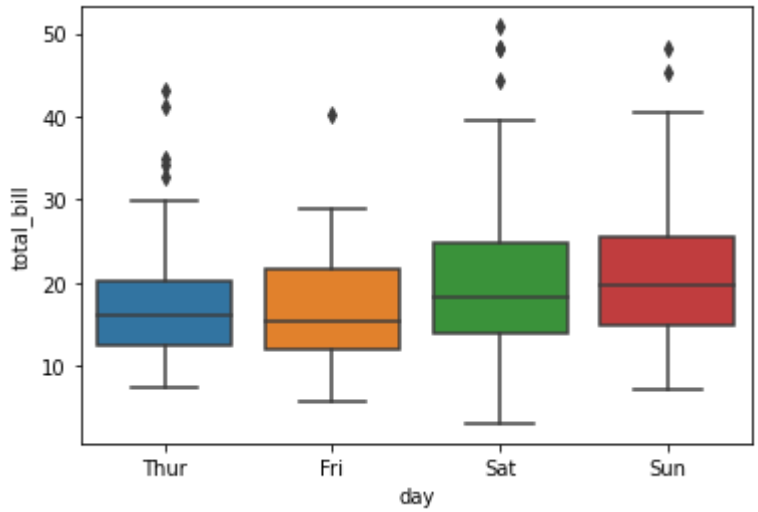


In [13]:

```
sns.boxplot(x="day",y="total_bill",data=b)
```

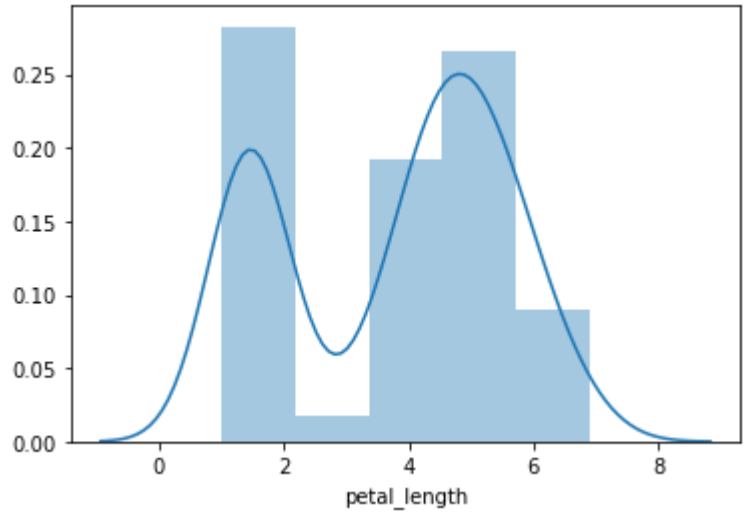
Out[13]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x1e629c9d908>
```



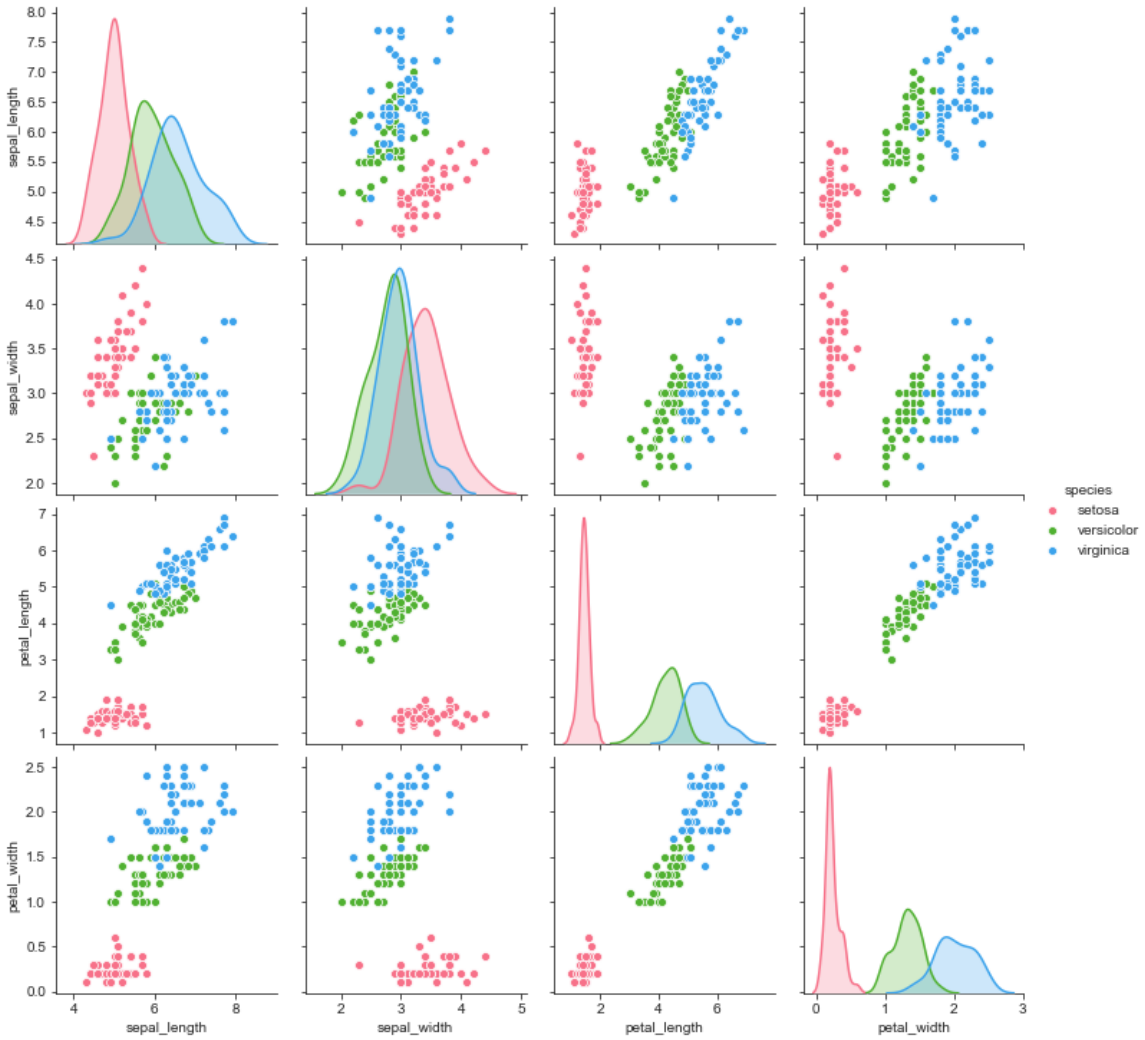
In [14]:

```
df = sns.load_dataset('iris')
sns.distplot(df['petal_length'])
plt.show()
```



In [15]:

```
sns.set_style("ticks")
sns.pairplot(df,hue = 'species',diag_kind = "kde",kind = "scatter",palette = "husl")
plt.show()
```



In [ ]: