BivarijantnaAnaliza

August 1, 2025

[1]:
```
import pandas as pd
import matplotlib.pyplot as plt
```

[2]:
```
marketing = pd.read_csv("../../datasets/Advertising.csv")
```

[3]:
```
marketing.head()
```

[3]:

	Unnamed: 0	TV	radio	newspaper	sales
0	1	230.1	37.8	69.2	22.1
1	2	44.5	39.3	45.1	10.4
2	3	17.2	45.9	69.3	9.3
3	4	151.5	41.3	58.5	18.5
4	5	180.8	10.8	58.4	12.9

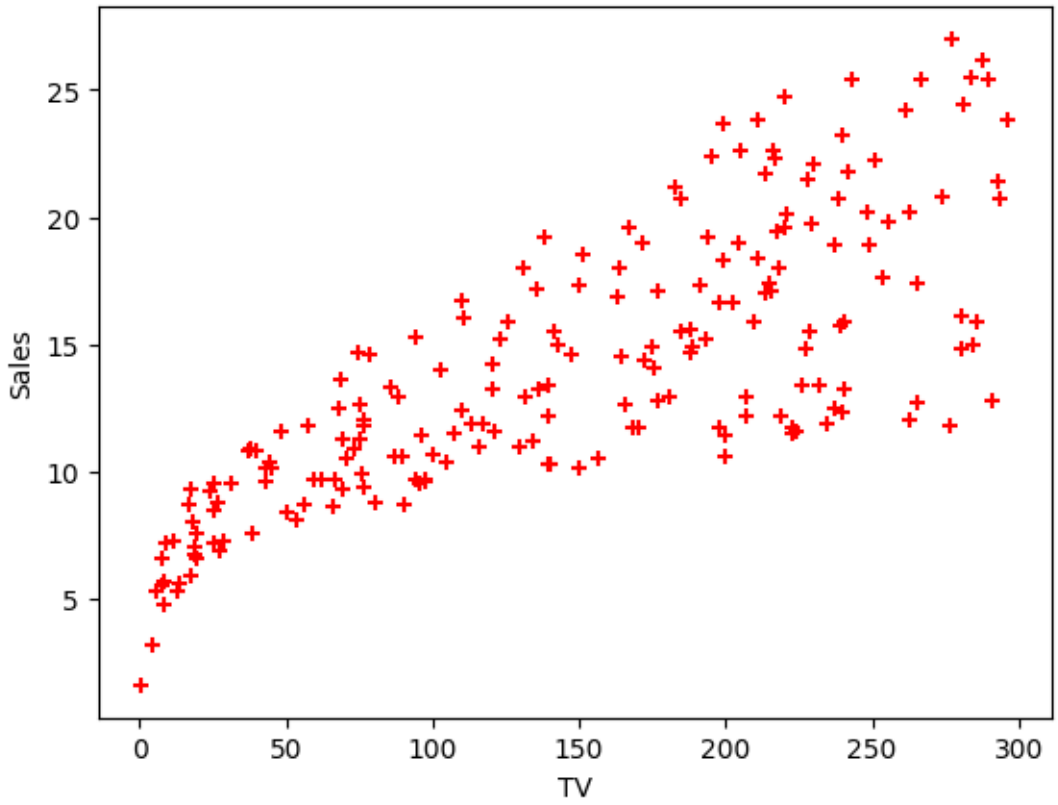
[4]:
```
marketing.describe()
```

[4]:

	Unnamed: 0	TV	radio	newspaper	sales
count	200.000000	200.000000	200.000000	200.000000	200.000000
mean	100.500000	147.042500	23.264000	30.554000	14.022500
std	57.879185	85.854236	14.846809	21.778621	5.217457
min	1.000000	0.700000	0.000000	0.300000	1.600000
25%	50.750000	74.375000	9.975000	12.750000	10.375000
50%	100.500000	149.750000	22.900000	25.750000	12.900000
75%	150.250000	218.825000	36.525000	45.100000	17.400000
max	200.000000	296.400000	49.600000	114.000000	27.000000

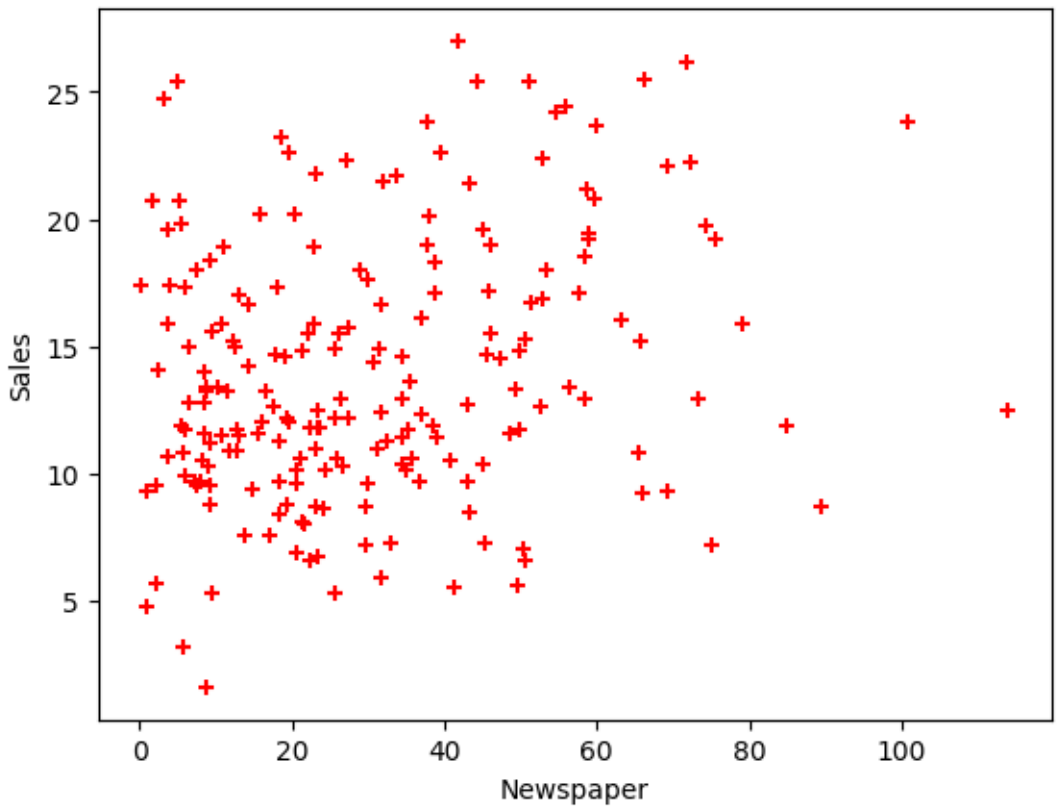
[5]:
```
plt.xlabel('TV')
plt.ylabel('Sales')
plt.scatter(marketing.TV, marketing.sales, color='red', marker='+')
```

[5]:
```
<matplotlib.collections.PathCollection at 0x7f0bdc173710>
```



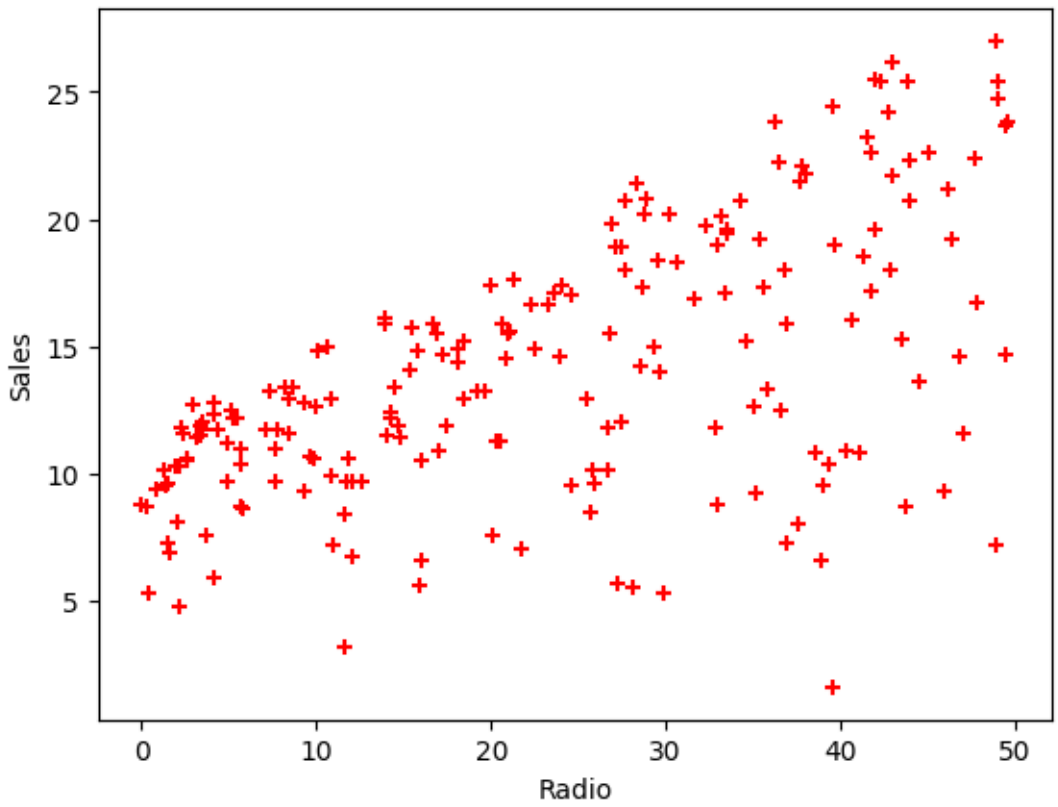
[6]:
```
plt.xlabel('Newspaper')
plt.ylabel('Sales')
plt.scatter(marketing.newspaper, marketing.sales, color='red', marker='+')
```

[6]: <matplotlib.collections.PathCollection at 0x7f0c1495a2d0>



[7]:
```
plt.xlabel('Radio')
plt.ylabel('Sales')
plt.scatter(marketing.radio, marketing.sales, color='red', marker='+')
```

[7]: <matplotlib.collections.PathCollection at 0x7f0bdc07d990>


Sales
Radio
25
20
15
10
5
0
10
20
30
40
50

[ ]: