

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

```
In [2]: data_filename = 'Advertising.csv'
df = pd.read_csv('Advertising.csv')
```

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In [3]: df.head()
```

```
Out[3]:
```

	TV	Radio	Newspaper	Sales
0	230.1	37.8	69.2	22.1
1	44.5	39.3	45.1	10.4
2	17.2	45.9	69.3	9.3
3	151.5	41.3	58.5	18.5
4	180.8	10.8	58.4	12.9

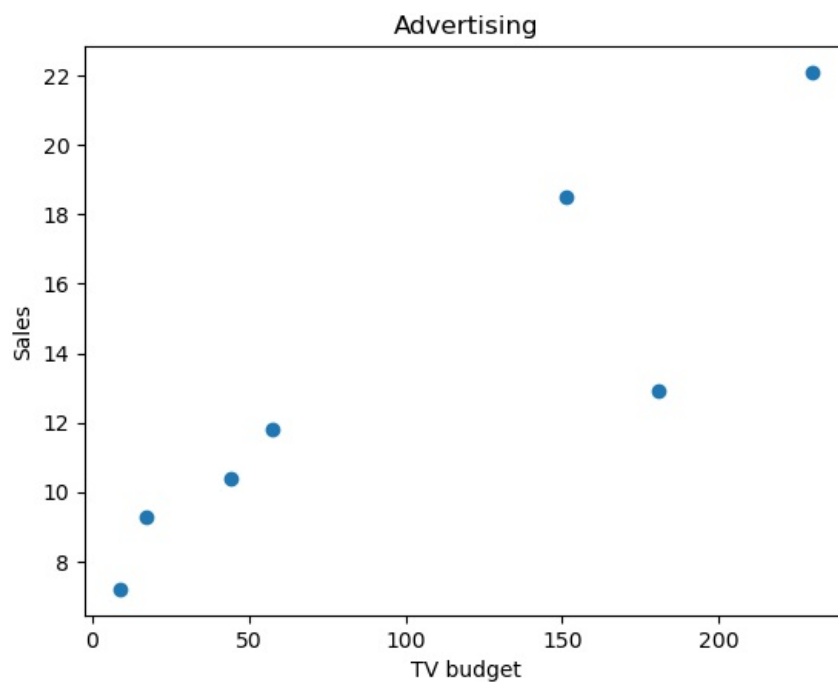
```
In [4]: df_new = df.head(7)
```

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In [5]: print(df_new)
```

```
      TV  Radio  Newspaper  Sales
0  230.1   37.8     69.2    22.1
1   44.5   39.3     45.1    10.4
2   17.2   45.9     69.3     9.3
3  151.5   41.3     58.5    18.5
4  180.8   10.8     58.4    12.9
5    8.7   48.9     75.0     7.2
6   57.5   32.8     23.5    11.8
```

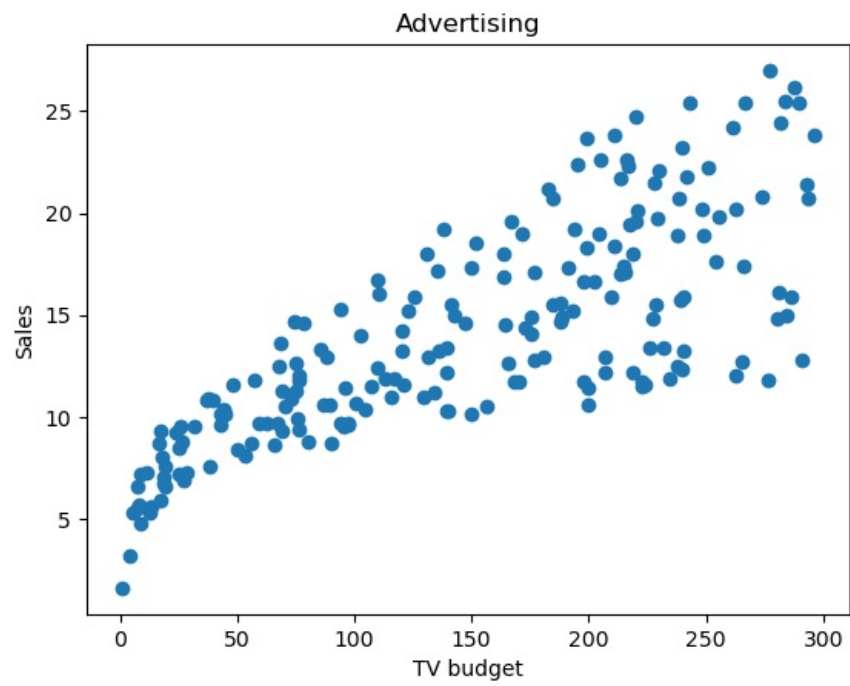
```
In [6]: plt.scatter(df_new.TV, df_new.Sales)
plt.xlabel('TV budget')
plt.ylabel('Sales')
plt.title('Advertising')
```

```
Out[6]: Text(0.5, 1.0, 'Advertising')
```



```
In [7]: plt.scatter(df.TV, df.Sales)
plt.xlabel('TV budget')
plt.ylabel('Sales')
plt.title('Advertising')
```

```
Out[7]: Text(0.5, 1.0, 'Advertising')
```



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