[10]:

```
import pandas as pd
pd.plotting.register_matplotlib_converters()
import matplotlib.pyplot as plt
%matplotlib inline
import seaborn as sns
print("Setup Complete")
```

```
Setup Complete
```

[11]:

```
from learntools.core import binder
binder.bind(globals())
from learntools.data_viz_to_coder.ex7 import *
print("Setup Complete")
```

```
Setup Complete
```

+ Code + Markdown

[12]:

```
# Check for a dataset with a CSV file
step_1.check()
```

Correct:

[13]:
```
my_filepath = "/kaggle/input/spotify-and-youtube/Spotify_Youtube.csv"

# Check for a valid filepath to a CSV file in a dataset
step_2.check()
```

Correct:

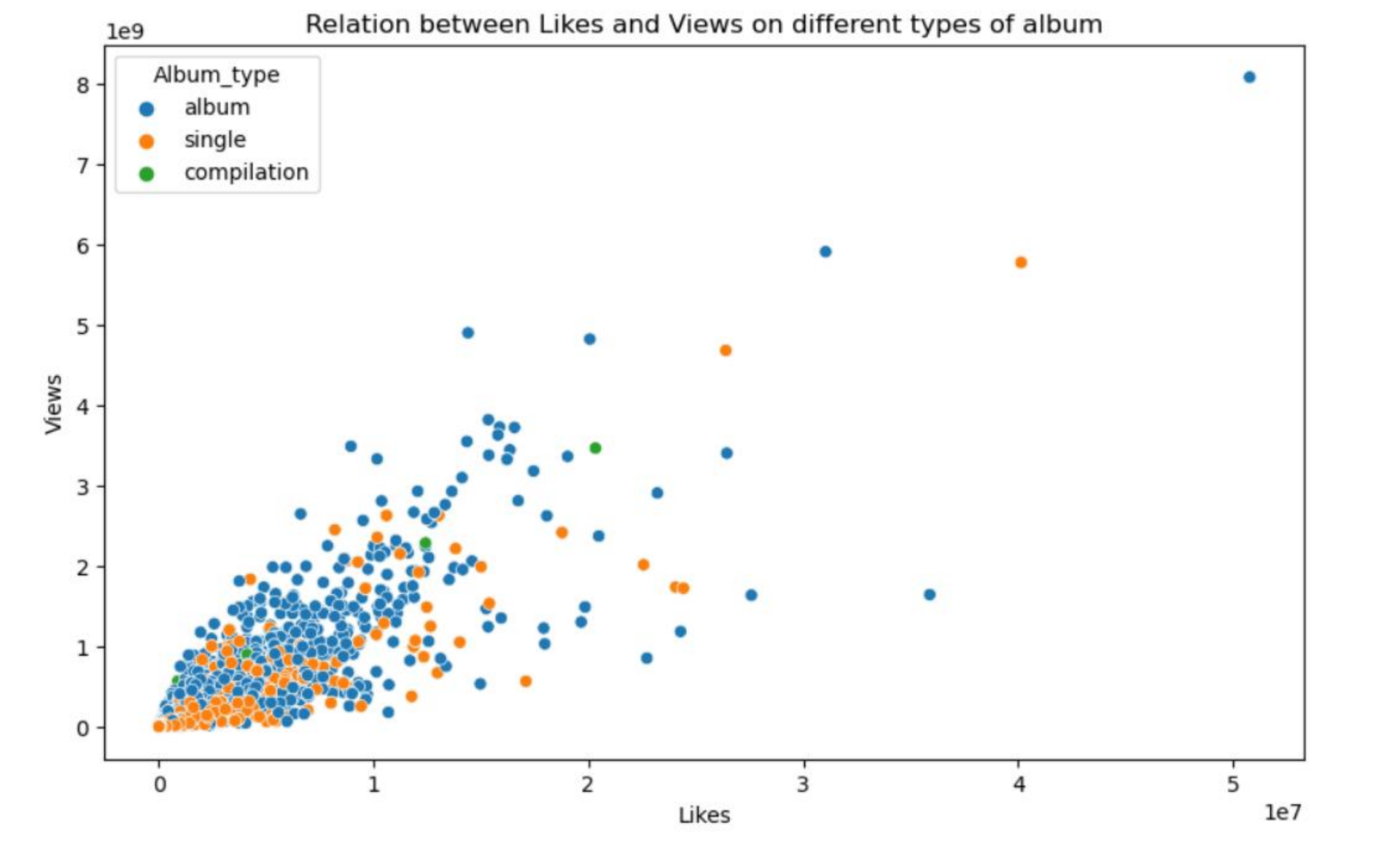
+ Code + Markdown

[14]:
```
my_data = pd.read_csv(my_filepath)
step_3.check()
```

Correct:

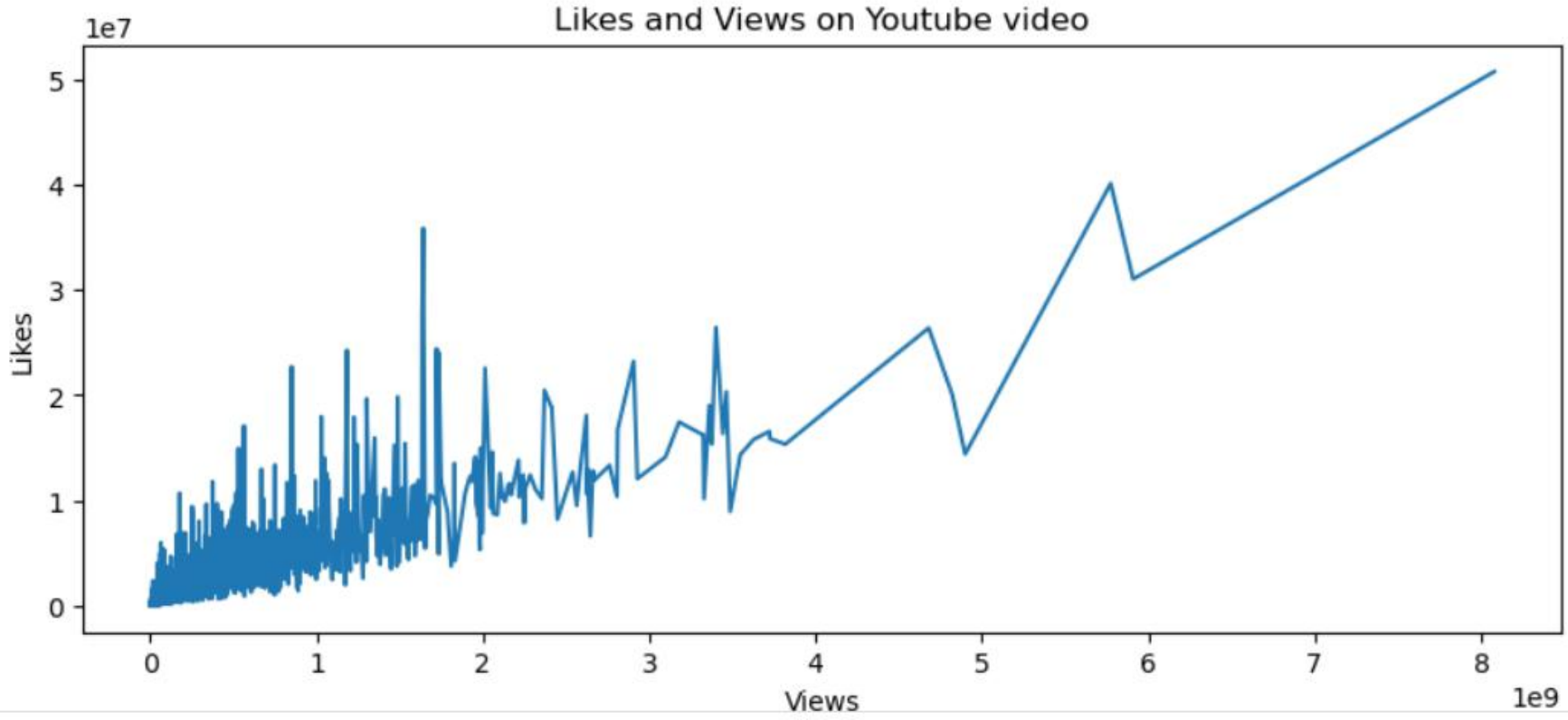
[16]:
```
# scatterplot
plt.figure(figsize=(10,6))
plt.title("Relation between Likes and Views on different types of album")
sns.scatterplot(x=my_data['Likes'],y=my_data['Views'],hue=my_data['Album_type'])
```

[16]: <AxesSubplot:title={'center':'Relation between Likes and Views on different types of album'}, xlabel='Likes', ylabel='Views'>


Relation between Likes and Views on different types of album
1e9
Album_type
album
single
compilation
Views
Likes
1e7
0
1
2
3
4
5
6
7
8

[17]:
```
# lineplot()
plt.figure(figsize=(10,4))
plt.title("Likes and Views on Youtube video")
sns.lineplot(data=my_data,x=my_data['Views'],y=my_data['Likes'])
plt.ylabel("Likes")
plt.xlabel("Views")
```

[17]:
```
Text(0.5, 0, 'Views')
```



```
# barplot()
plt.figure(figsize=(10,4))
plt.title("The relationship between number of views and video is Licensed or not")
sns.barplot(x=my_data.Licensed, y=my_data['Views'])
plt.ylabel("Number of Views")
```

```
Text(0, 0.5, 'Number of Views')
```