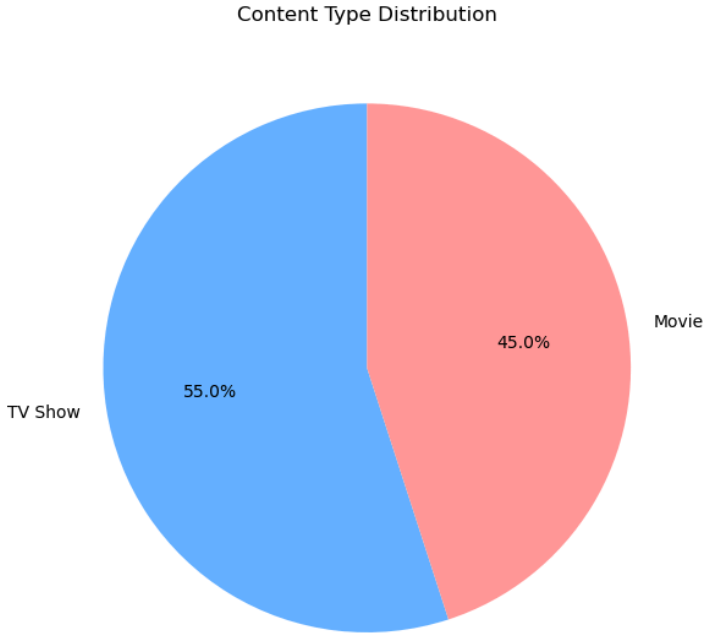
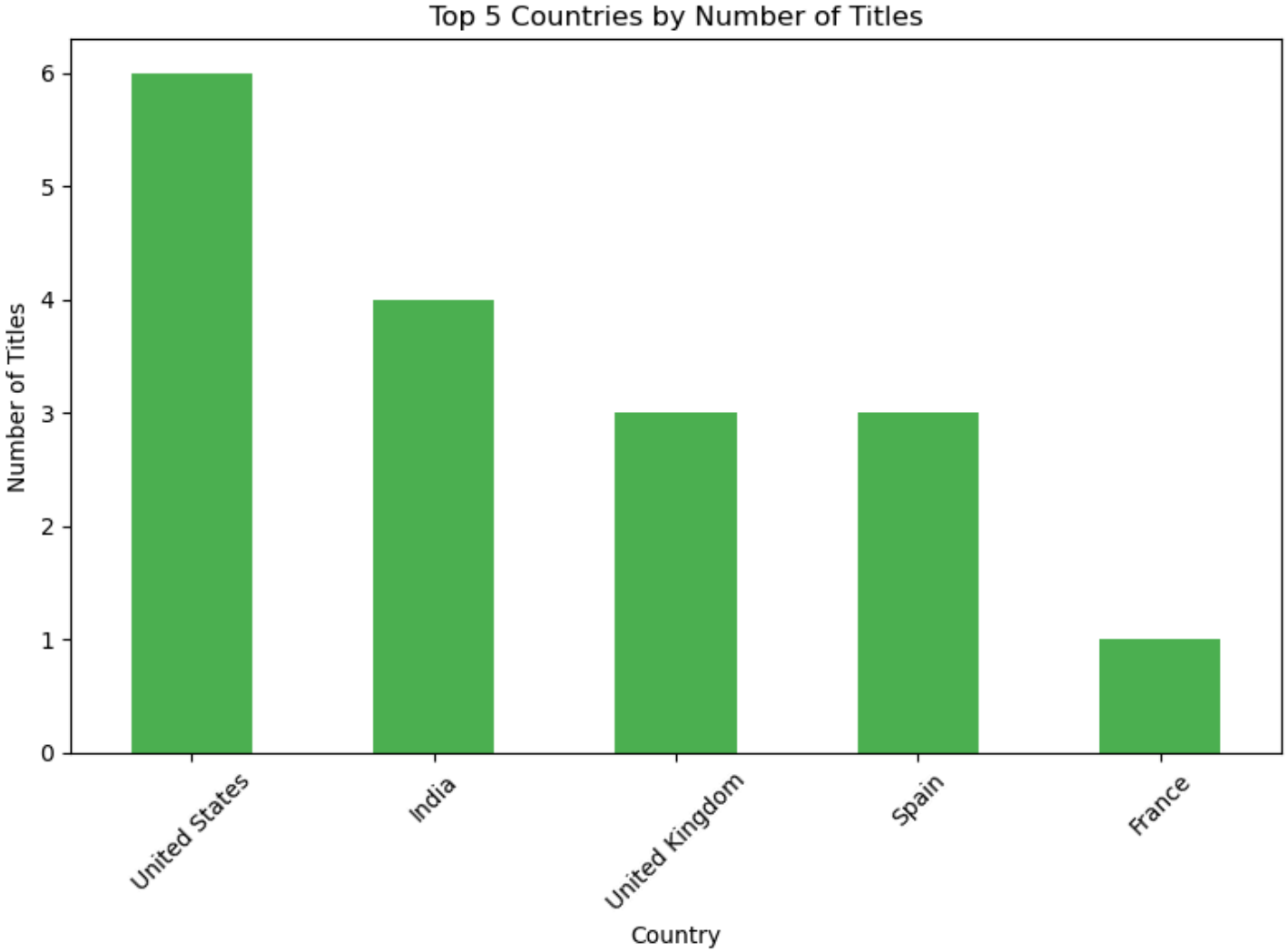
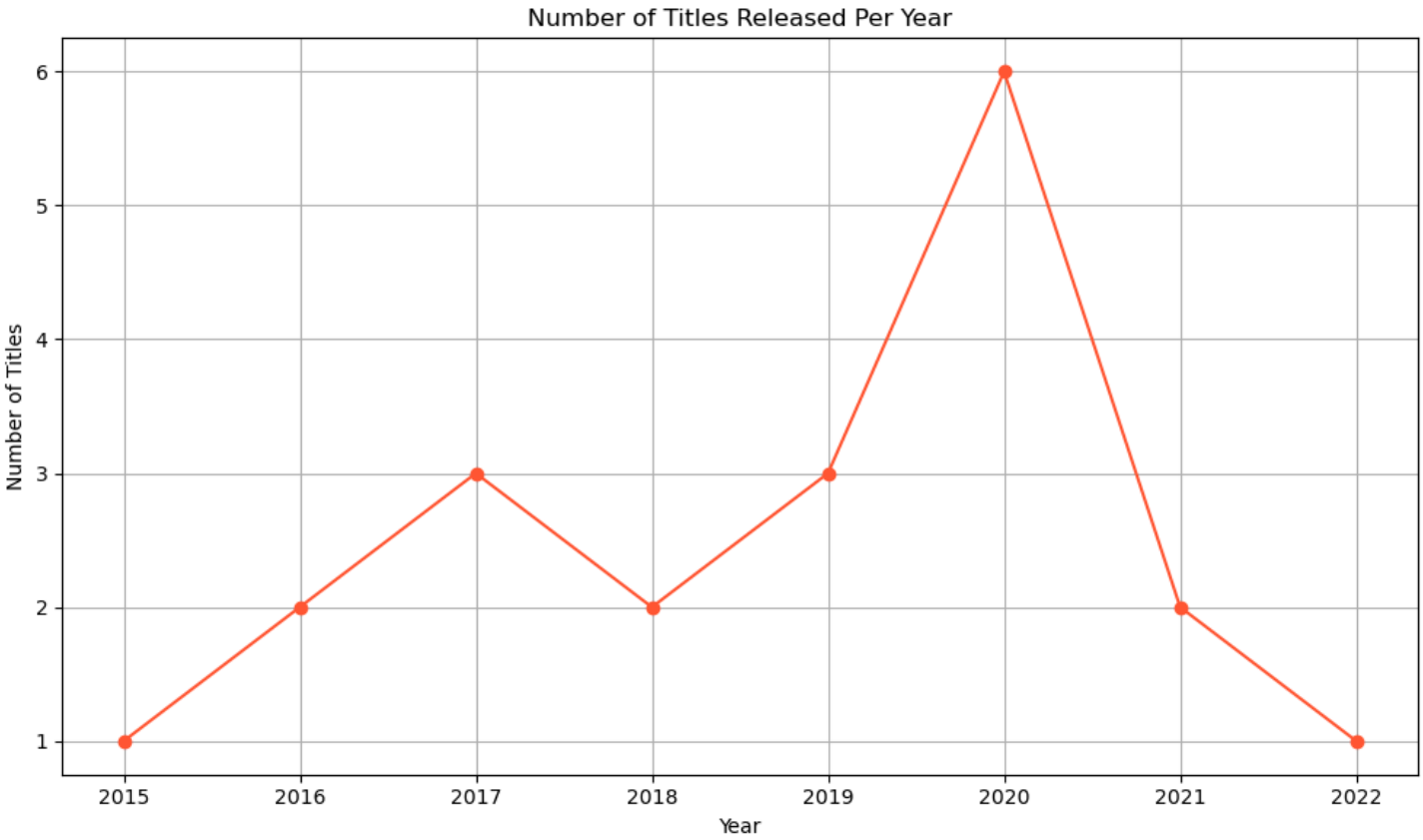
```
# Enable inline charts in Jupyter

%matplotlib inline


# Import necessary libraries

import pandas as pd

import matplotlib.pyplot as plt


# Load the dataset

df = pd.read_csv("sample_netflix_titles.csv")


# Convert 'date_added' to datetime format

df["date_added"] = pd.to_datetime(df["date_added"], errors="coerce")


# --- Pie Chart: Distribution of content type ---

type_counts = df["type"].value_counts()

plt.figure(figsize=(6,6))

plt.pie(type_counts, labels=type_counts.index, autopct="%1.1f%%", startangle=90,
colors=["#66b3ff", "#ff9999"])

plt.title("Content Type Distribution")

plt.axis("equal")

plt.tight_layout()

plt.show()


# --- Bar Chart: Top 5 countries by number of titles ---

country_counts = df["country"].value_counts().head(5)

plt.figure(figsize=(8,6))
```

```
country_counts.plot(kind="bar", color="#4CAF50")
plt.title("Top 5 Countries by Number of Titles")
plt.xlabel("Country")
plt.ylabel("Number of Titles")
plt.xticks(rotation=45)
plt.tight_layout()
plt.show()

# --- Line Chart: Number of titles released per year ---
release_counts = df["release_year"].value_counts().sort_index()
plt.figure(figsize=(10,6))
release_counts.plot(kind="line", marker="o", color="#FF5733")
plt.title("Number of Titles Released Per Year")
plt.xlabel("Year")
plt.ylabel("Number of Titles")
plt.grid(True)
plt.tight_layout()
plt.show()
```


Content Type Distribution
Movie
45.0%
55.0%
TV Show


Top 5 Countries by Number of Titles
Number of Titles
0
1
2
3
4
5
6
United States
India
United Kingdom
Spain
France
Country


Number of Titles Released Per Year
Number of Titles
Year
1
2
3
4
5
6
2015
2016
2017
2018
2019
2020
2021
2022