import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns

# Load the dataset

data = pd.read\_csv('netflix\_shows.csv')

Visualization 1: Bar plot of the top 10 countries with the most shows

plt.figure(figsize=(10, 6))

top\_countries = data['country'].value\_counts().head(10)

top\_countries.plot(kind='bar', color='skyblue')

plt.title('Top 10 Countries with Most Netflix Shows')

plt.xlabel('Country')

plt.ylabel('Number of Shows')

plt.savefig('top\_countries\_barplot.png')

plt.show()

Visualization 2: Pie chart of content types

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

content\_types = data['type'].value\_counts()

plt.pie(content\_types, labels=content\_types.index, autopct='%1.1f%%', startangle=140, colors=['#ff9999','#66b3ff'])

plt.title('Distribution of Content Types')

plt.savefig('content\_types\_piechart.png')

plt.show()

Visualization 3: Box plot of IMDb ratings

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

sns.boxplot(data['imdb\_rating'], color='skyblue')

plt.title('Distribution of IMDb Ratings')

plt.xlabel('IMDb Rating')

plt.savefig('imdb\_ratings\_boxplot.png')

plt.show()

Visualization 4: Line plot of release year trends

plt.figure(figsize=(10, 6))

release\_year\_counts = data['release\_year'].value\_counts().sort\_index()

release\_year\_counts.plot(kind='line', marker='o', linestyle='-')

plt.title('Release Year Trends')

plt.xlabel('Year')

plt.ylabel('Number of Shows')

plt.savefig('release\_year\_trends\_lineplot.png')

plt.show()