plt.figure(figsize=(6, 4))

sns.countplot(data=df, x='type', palette='Set2')

plt.title("Number of Movies vs TV Shows on Netflix")

plt.xlabel("Type")

plt.ylabel("Count")

plt.tight\_layout()

plt.show()

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

plt.figure(figsize=(8, 5))

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

plt.title("Top 10 Countries with Most Netflix Titles")

plt.xlabel("Country")

plt.ylabel("Number of Titles")

plt.xticks(rotation=45)

plt.tight\_layout()

plt.show()

df['year\_added'] = df['date\_added'].dt.year

titles\_per\_year = df['year\_added'].value\_counts().sort\_index()

plt.figure(figsize=(10, 5))

titles\_per\_year.plot(kind='line', marker='o')

plt.title("Netflix Titles Added Over the Years")

plt.xlabel("Year")

plt.ylabel("Number of Titles Added")

plt.grid(True)

plt.tight\_layout()

plt.show()

print("Top 10 Categories on Netflix:")

print(df['listed\_in'].value\_counts().head(10))

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

plt.figure(figsize=(14, 6))

release\_counts.plot(kind='bar', color='skyblue')

plt.title("Number of Titles Released by Year")

plt.xlabel("Release Year")

plt.ylabel("Count")

plt.tight\_layout()

plt.show()

release\_years = df['release\_year'].dropna().astype(int)

plt.figure(figsize=(14,6))

sns.histplot(release\_years, bins=50, kde=True, color='skyblue')

plt.title("Distribution of Release Years")

plt.xlabel("Release Year")

plt.ylabel("Frequency")

plt.tight\_layout()

plt.show()

plt.figure(figsize=(10,5))

sns.countplot(data=df, x='rating', order=df['rating'].value\_counts().index[:10], palette="coolwarm")

plt.title("Top Content Ratings")

plt.xticks(rotation=50)

plt.tight\_layout()

plt.show()

from collections import Counter

genres\_series = df['listed\_in'].dropna().apply(lambda x: x.split(', '))

genre\_counts = Counter([genre for sublist in genres\_series for genre in sublist])

top\_genres = pd.DataFrame(genre\_counts.most\_common(10), columns=['Genre', 'Count'])

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

sns.barplot(x='Count', y='Genre', data=top\_genres, palette='magma')

plt.title("Top 10 Most Common Genres on Netflix")

plt.xlabel("Number of Titles")

plt.ylabel("Genre")

plt.tight\_layout()

plt.show()

movies = df[df['type'] == 'Movie']

movies['minutes'] = movies['duration'].str.replace(' min', '').replace('Unknown', np.nan).astype(float)

plt.figure(figsize=(10,4))

sns.histplot(movies['minutes'].dropna(), bins=40, color='green')

plt.title("Distribution of Movie Durations")

plt.xlabel("Duration (minutes)")

plt.tight\_layout()

plt.show()