Exploratory Data Analysis
Netflix Titles Dataset

Dataset path: /mnt/data/netflix_titles.csv

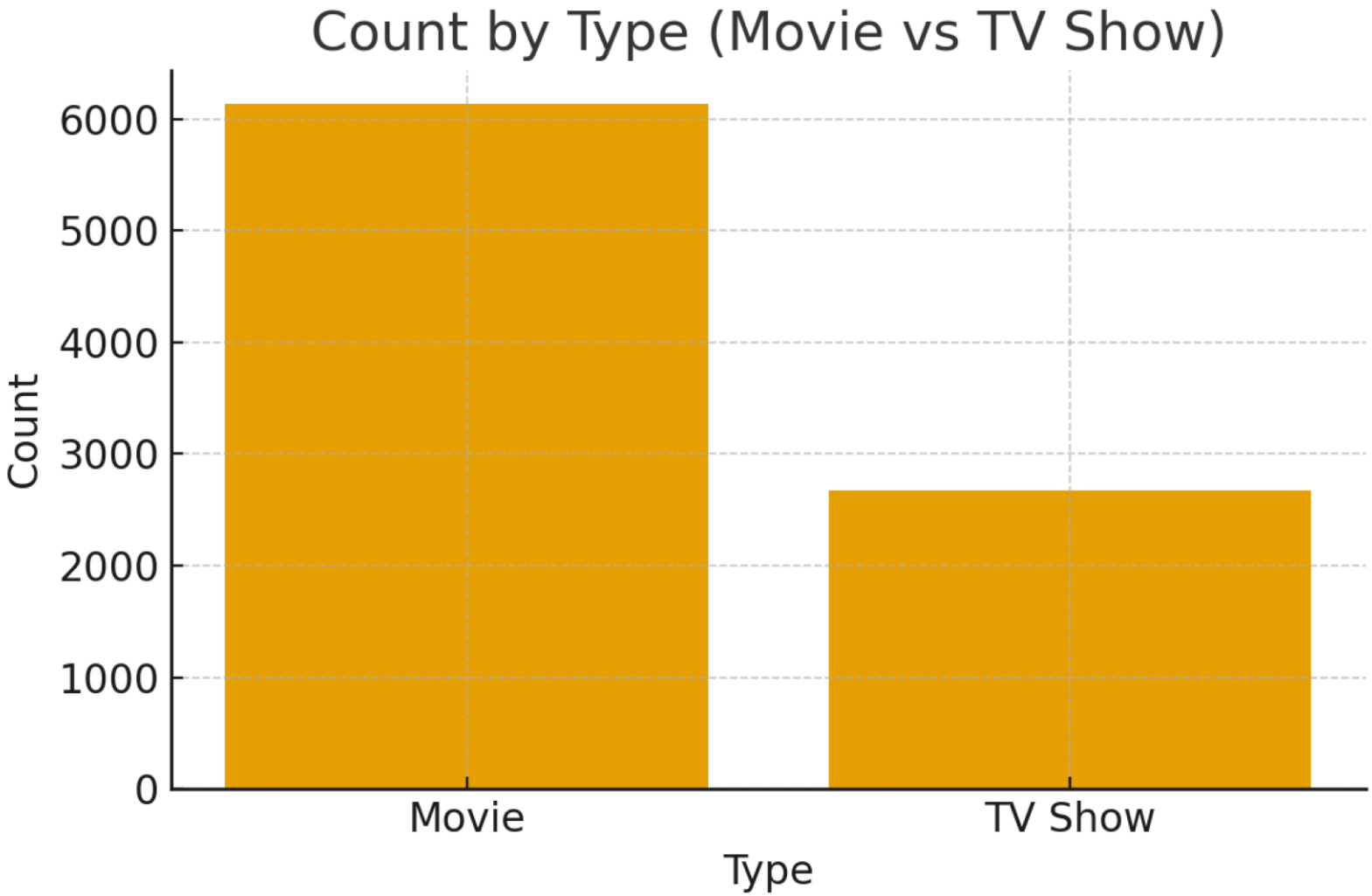
Number of rows (original): 8807, columns: 12

Number of rows (after drop duplicates): 8807 (dupes dropped: 0)

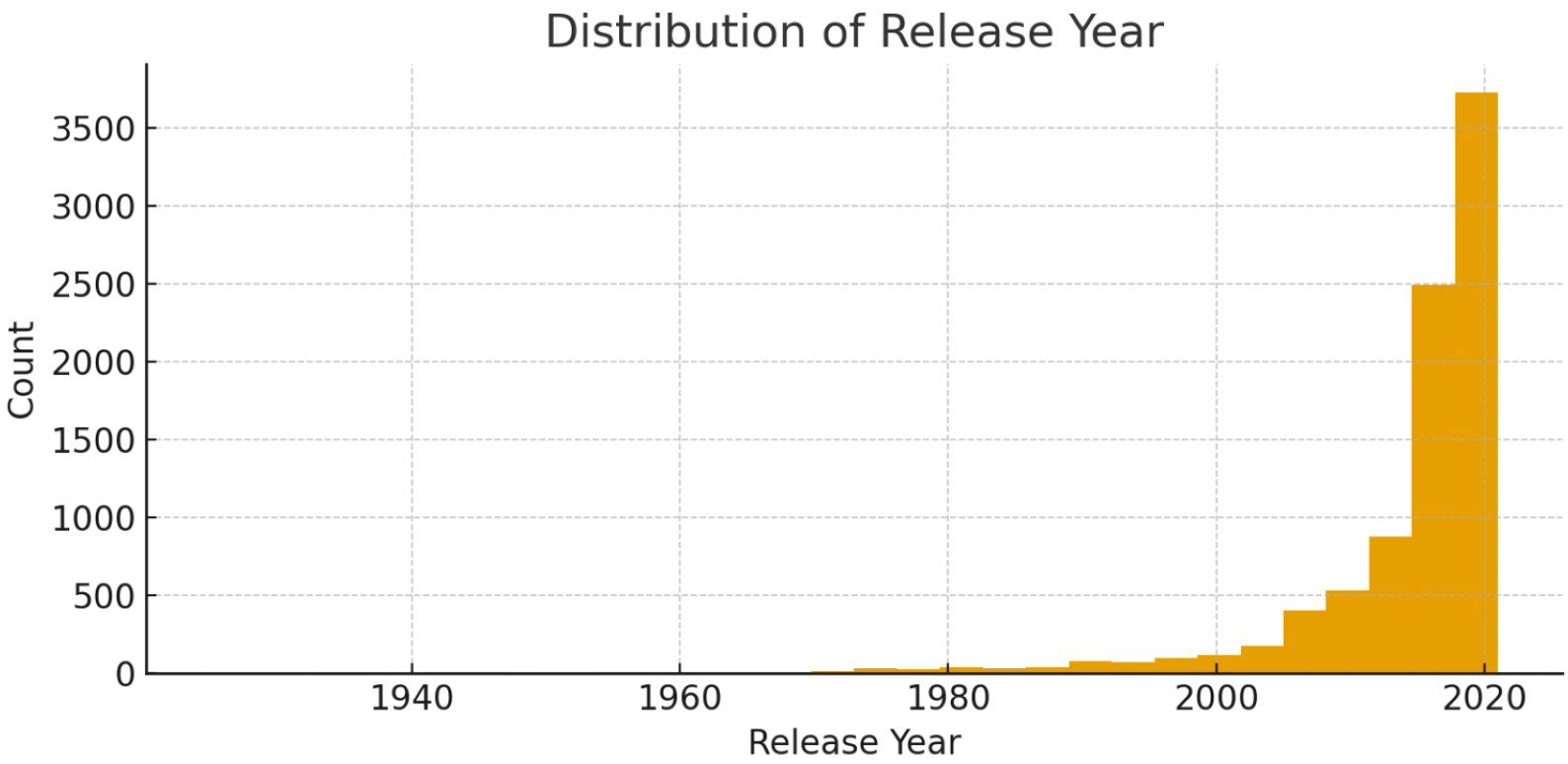
Dataframe info() output:

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 8807 entries, 0 to 8806
Data columns (total 12 columns):
 #   Column        Non-Null Count  Dtype 
---  ------        --------------  ----- 
 0   show_id       8807 non-null   object
 1   type          8807 non-null   object
 2   title         8807 non-null   object
 3   director      6173 non-null   object
 4   cast          7982 non-null   object
 5   country       7976 non-null   object
 6   date_added    8797 non-null   object
 7   release_year  8807 non-null   int64 
 8   rating        8803 non-null   object
 9   duration      8804 non-null   object
 10  listed_in     8807 non-null   object
 11  description   8807 non-null   object
dtypes: int64(1), object(11)
memory usage: 825.8+ KB
```

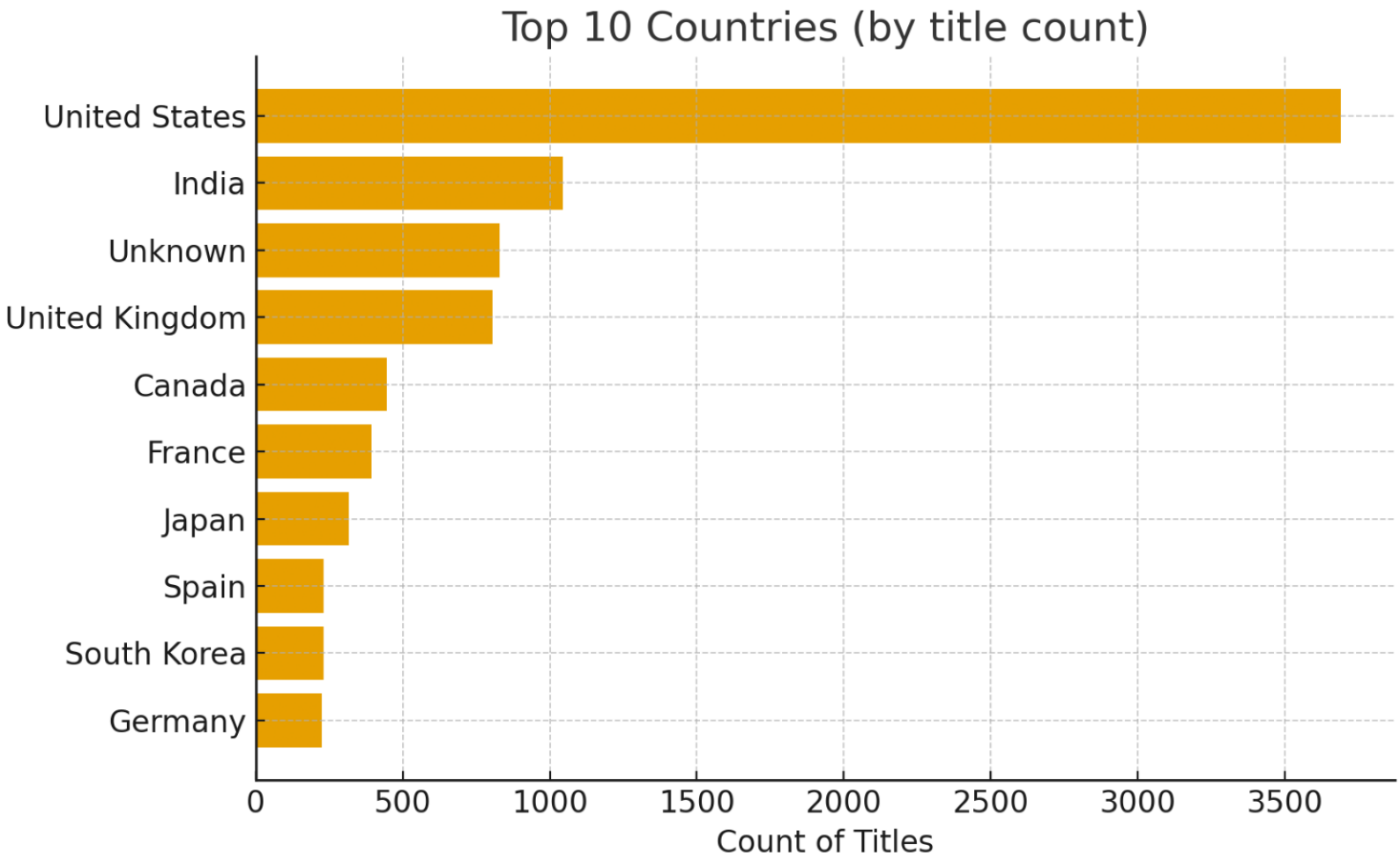
```
Missing values (selected columns):

show_id            0
type               0
title              0
director        2634
cast             825
country          831
date_added        10
release_year       0
rating             4
duration           3
listed_in          0
description        0
```



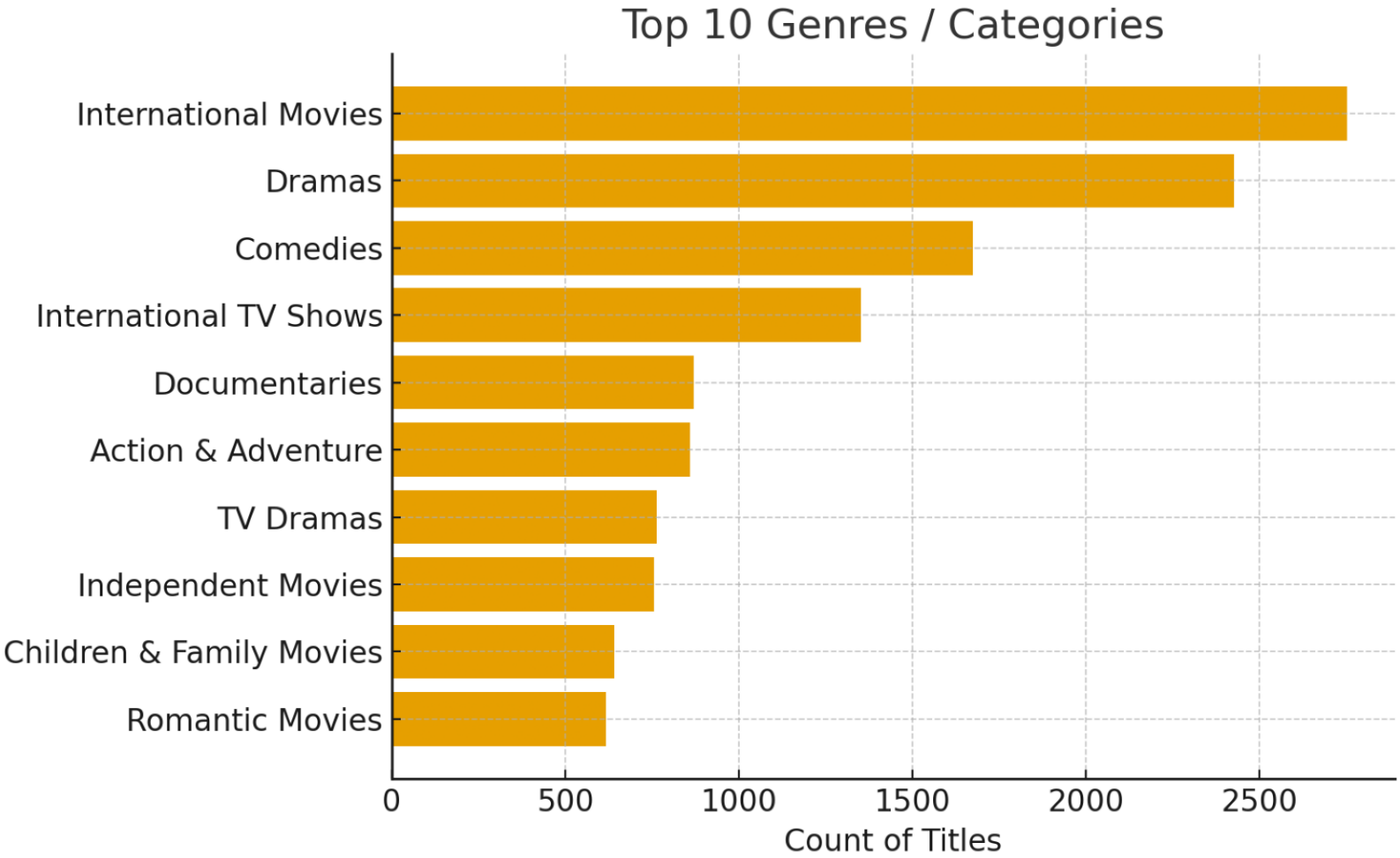
Count by Type (Movie vs TV Show) — Bar chart



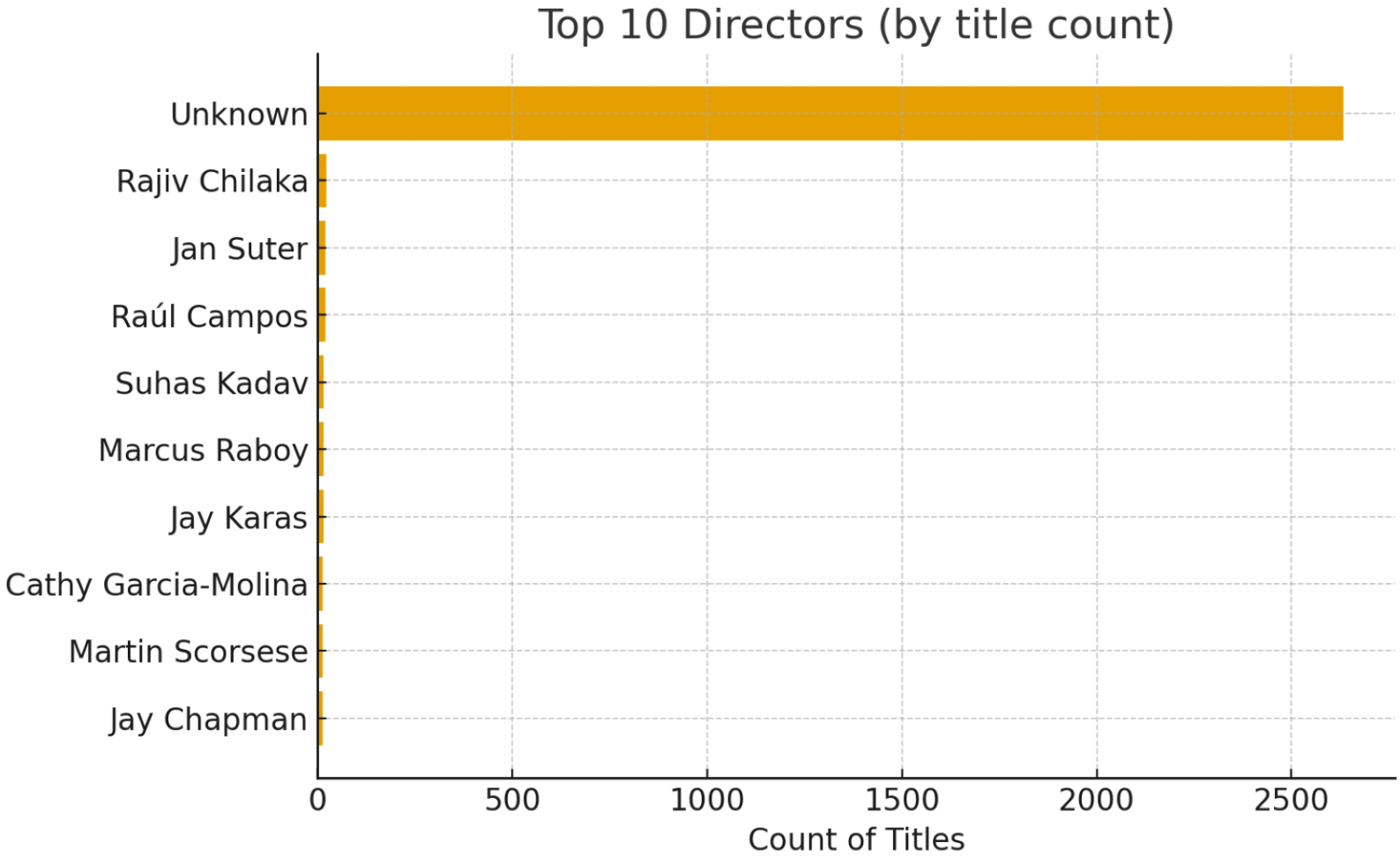
Distribution of Release Year — Histogram



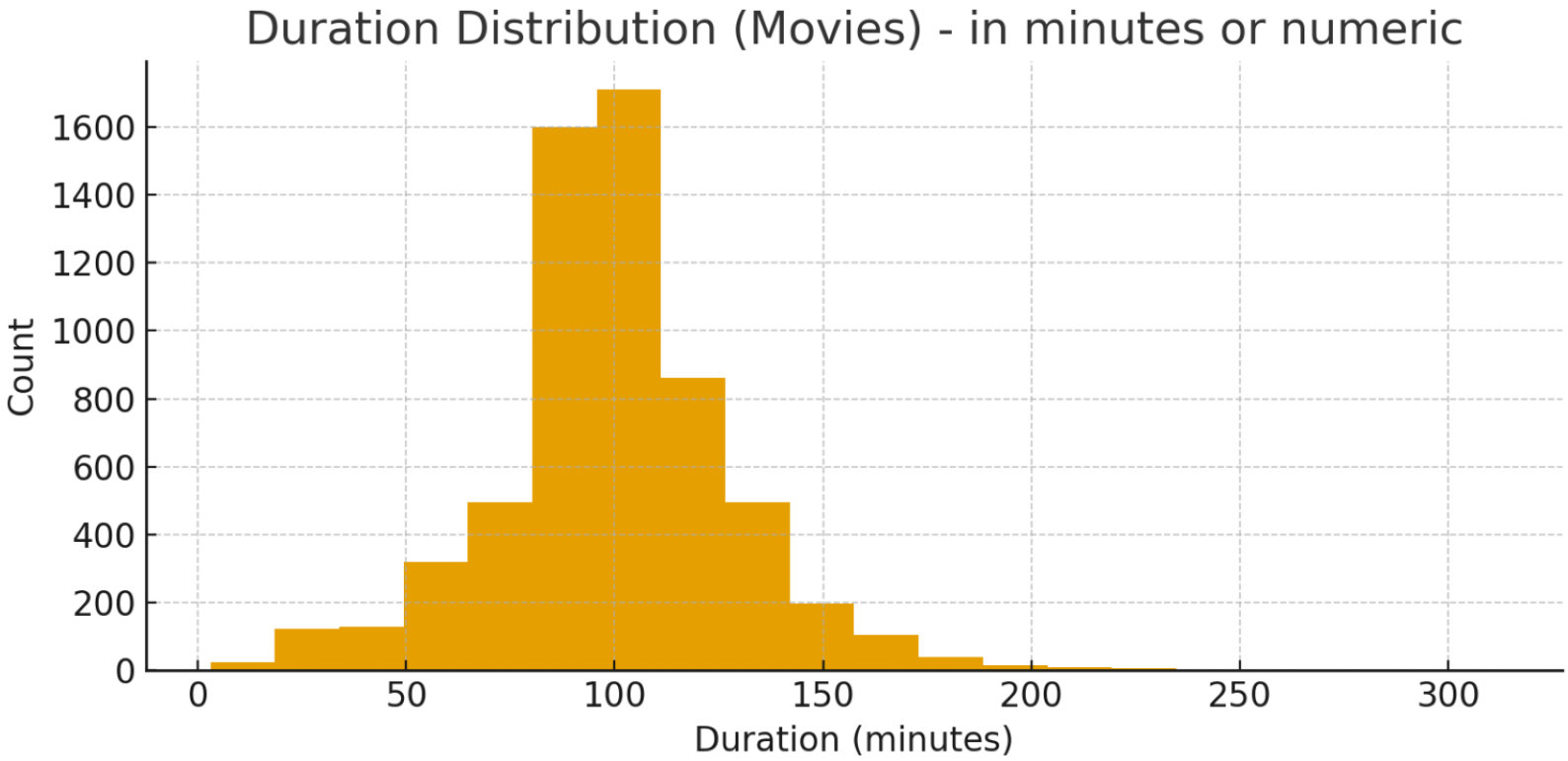
Top 10 Countries — Horizontal Bar Chart



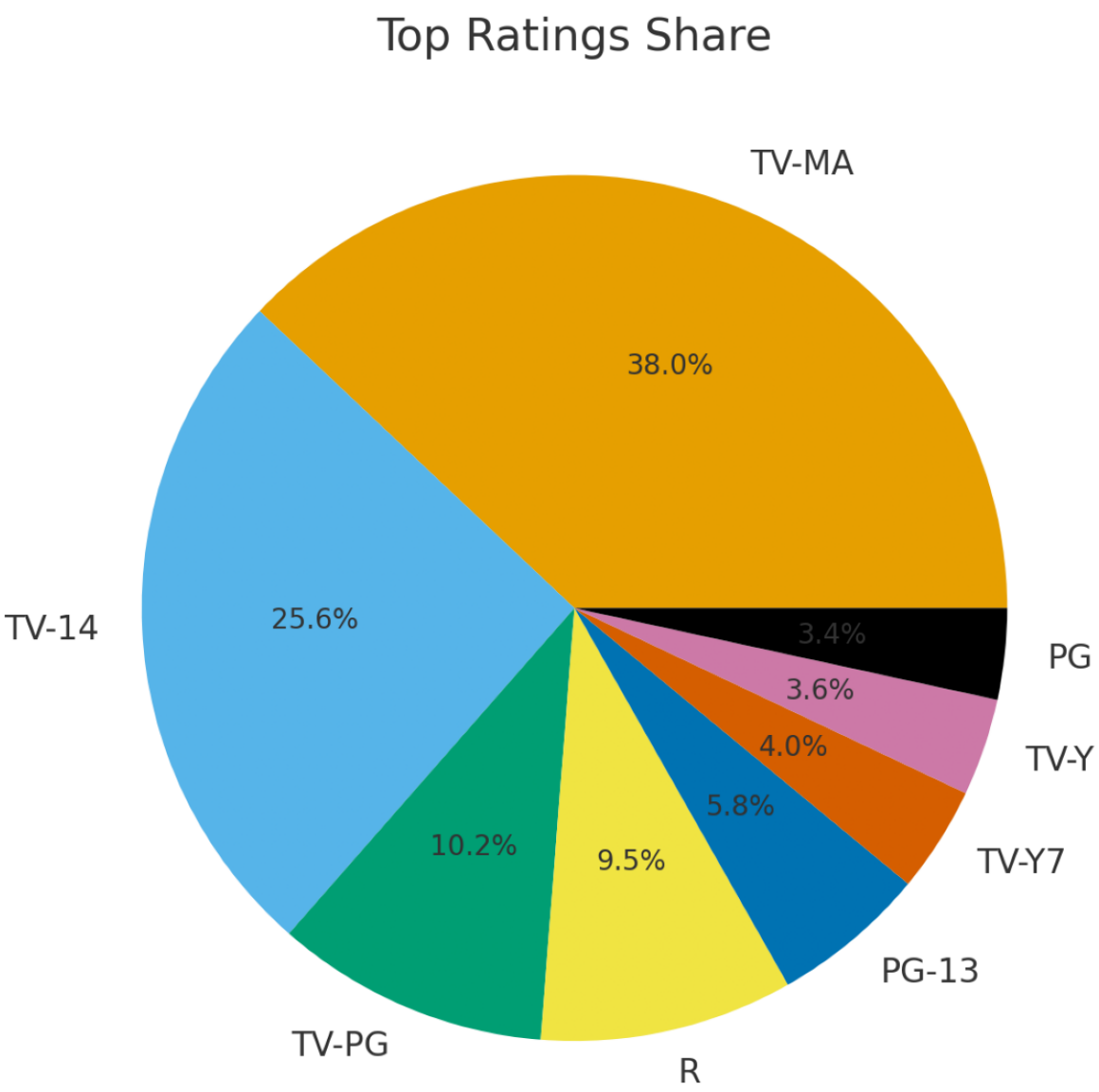
Top 10 Genres — Horizontal Bar Chart



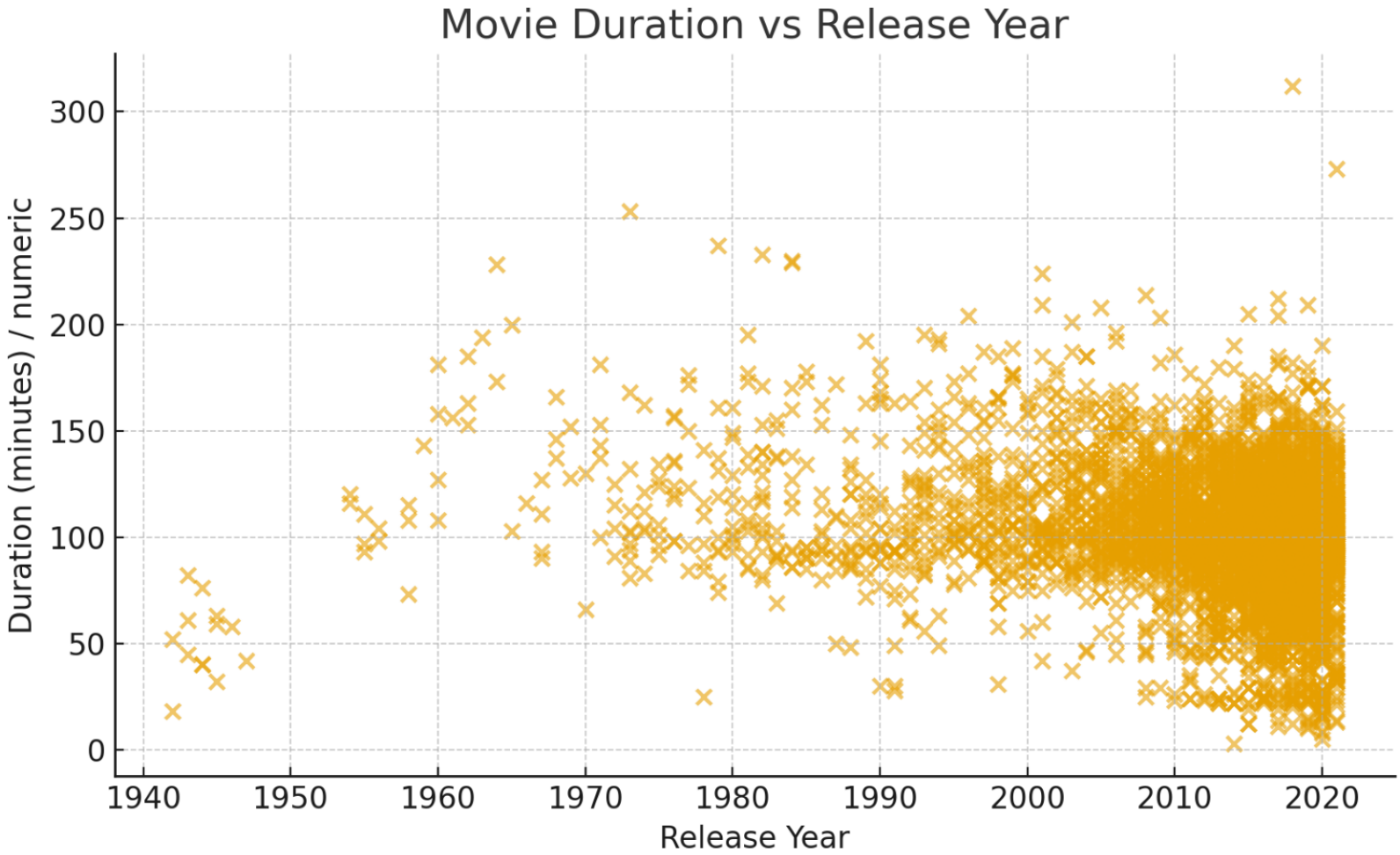
Top 10 Directors — Horizontal Bar Chart



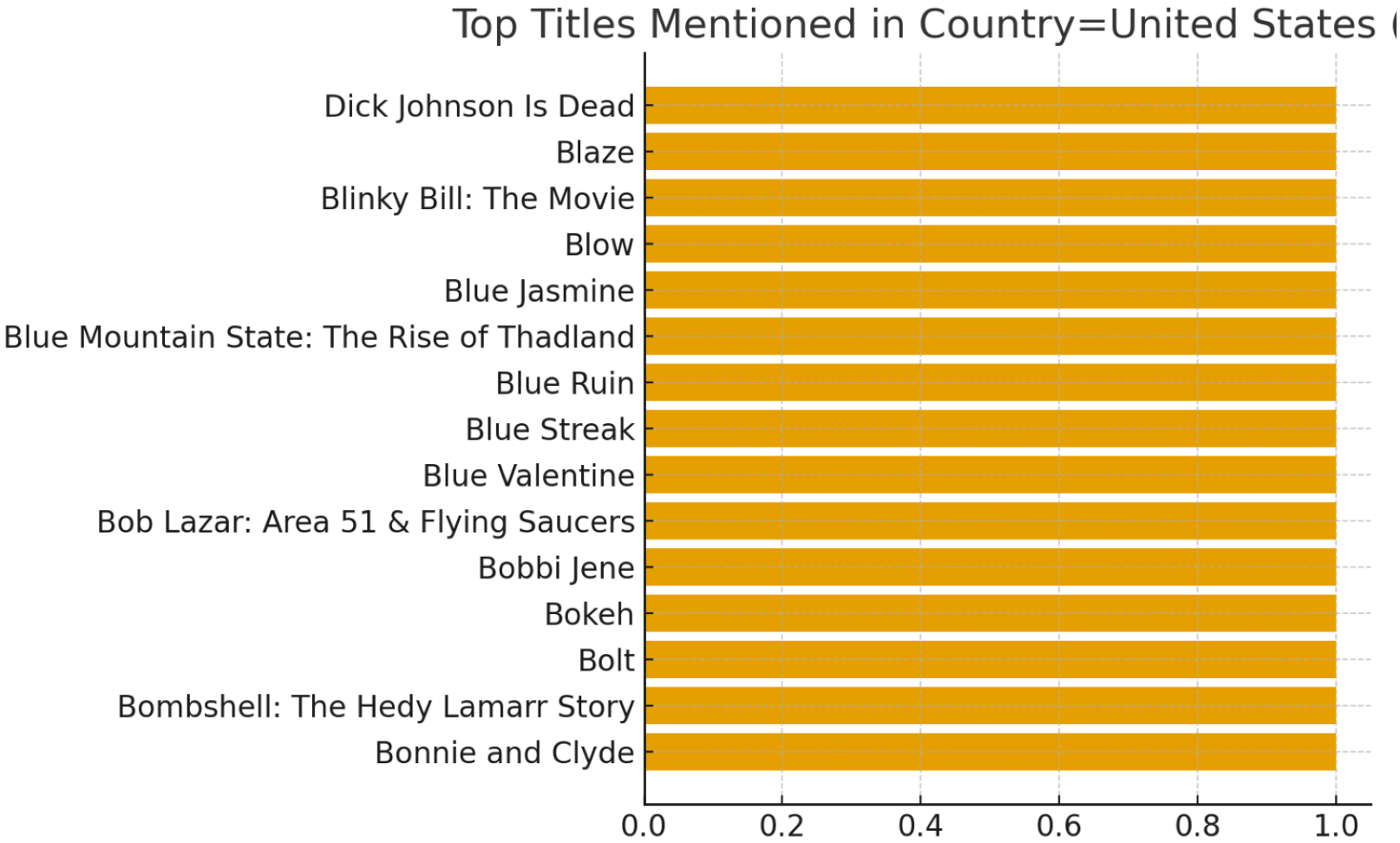
Duration Distribution (Movies) — Histogram



Top Ratings Share — Pie Chart



Movie Duration vs Release Year — Scatter Plot



Top Titles appearing in United States — Horizontal Bar Chart

Insights (automatic summary):
- Total titles after cleaning: 8807
- Most common type: Movie (6131 titles)
- Top country for titles: United States
- Top genre/category: International Movies
- Common ratings: TV-MA, TV-14, TV-PG, R, PG-13