# Netflix Data Analysis Summary

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Dataset Used:  
netflix\_titles.xlsx containing information on Netflix's movies and TV shows.

## ✅ Objective

To explore and analyze the Netflix catalog using Python libraries like Pandas, Matplotlib, and Seaborn, and draw key insights about:  
- Content types  
- Release trends  
- Popular genres  
- Duration analysis  
- Country-wise content distribution

## 📌 Key Observations

1. Dataset Overview:  
- Total Entries: 8809  
- Columns: 12 (including type, title, director, cast, country, release\_year, duration, listed\_in, etc.)  
- Missing Data: Significant nulls in director, cast, and country.  
  
2. Content Type:  
- ~70% content are Movies  
- ~30% are TV Shows  
  
3. Release Year Analysis:  
- Most content added between 2010–2022  
- Oldest title: 1925  
  
4. Top Genres:  
- Common categories include: Dramas, Comedies, Documentaries, and International Shows  
  
5. Duration:  
- Movies usually show in minutes (e.g., "90 min")  
- TV shows display number of seasons  
  
6. Country-wise Content:  
- Highest content originates from the United States, followed by India, UK, and Canada  
  
7. Missing Values:  
- director: 2634 missing  
- cast: 825 missing  
- country: 831 missing

## 📈 Tools & Libraries

```python  
import pandas as pd  
import matplotlib.pyplot as plt  
import seaborn as sns  
```