Netflix Movies Analysis - Summary

Project Overview

This project explores Netflix movies through data analysis and visualization. By examining trends in Genres, Popularity, release years, and Vote counts, we uncover key patterns in the streaming giant's movie collection.

Key Insights

- Top Genres: Drama, Comedy, and Thriller
- Rating Distribution: Popular, Average, Below Average, Not Popular
- Release Trends: 1900 to 2010 constant, Peak Incline in 2020
- Popular Movies: Spiderman No Way Home, The Batman, and No Exist

Tools & Technologies Used

- Python (Pandas, NumPy, Matplotlib, Seaborn)
- Jupyter Notebook

Conclusion

1) What is the trend of movie releases over the years?
   - Steady Growth (2000-2019): Netflix expanded its content library, peaking in 2018-2019.
   - COVID-19 Impact (2020-2021): Sharp decline due to production delays.

2) Which movies have the highest popularity score?
   - "Spiderman No Way Home" has the highest popularity score, followed by "The Batman" and "No Exist".

3) Which genre is most common in Netflix movies?
   - "Drama" is the most common genre on Netflix, followed by "Comedy".

4) Which language has the most movies on Netflix?

   - "English" movies dominate, followed by "Japanese" and "French" movies.

5) Which language has the least movies on Netflix?

   - "Latin" and "Catalan" movies are the least represented, followed by "Estonian" and "Bengali".

6) Do higher vote counts correlate with higher popularity?

   - A higher vote count does not necessarily mean higher popularity.

7) Which genres tend to be the most popular?

   - "Action" is the most popular genre on Netflix.

8) How has movie popularity changed over time?

   - A surge in popularity occurred around 2020, indicating significant audience engagement.

9) Do older movies tend to have lower popularity?

   - Newer movies (post-2000) tend to have higher popularity scores, while older movies show lower, consistent popularity levels.