

Netflix Movies Analysis – Summary Report

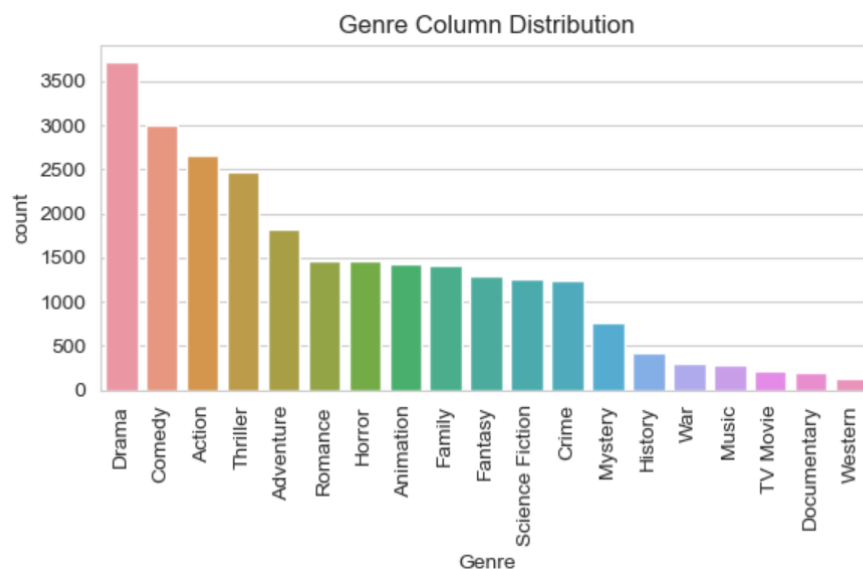
Data Preprocessing

- **Columns Dropped:**
 - Overview, Original_Language, Poster_Url were removed to clean the dataset.
 - **Date Conversion:**
 - The Release_Date column was converted from object to datetime format and then simplified to **year only**.
 - **Genre Column:**
 - Genre entries were **split** into multiple rows to allow better analysis.
 - **Vote_Average** column was categorized based on quartiles:
 - **Popular:** > 75th percentile
 - **Average:** 50th–75th percentile
 - **Below Average:** 25th–50th percentile
 - **Not Popular:** < 25th percentile
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Key Findings

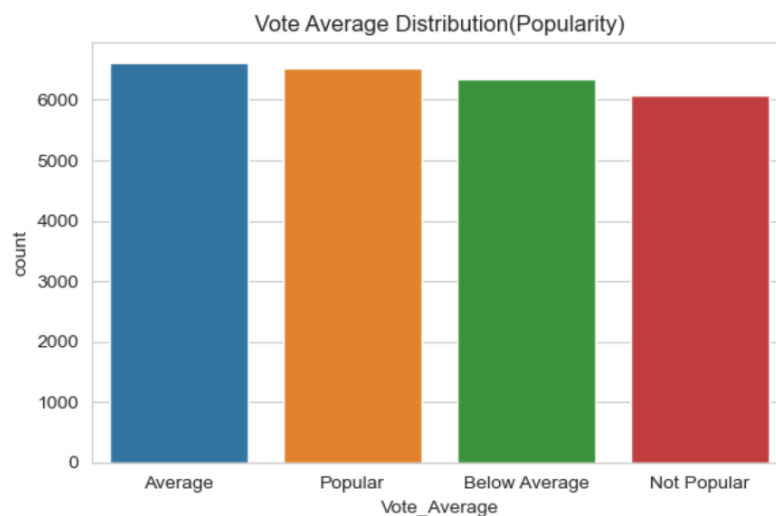
Most Frequent Genre

- The most common genre is **Drama**, appearing in **over 14%** of the total genre entries.



☀ Popularity of Movies (by Vote_Average)

- Movies were categorized into:
 - **Popular**
 - **Average**
 - **Below Average**
 - **Not Popular**
- Among these, **"Average"** movies make up the largest group.



🏆 Most Popular Movie

- 🎬 **"Spider-Man: No Way Home"** is the most popular movie.
 - Genres: Action, Adventure, Science Fiction

📌 Least Popular Movies

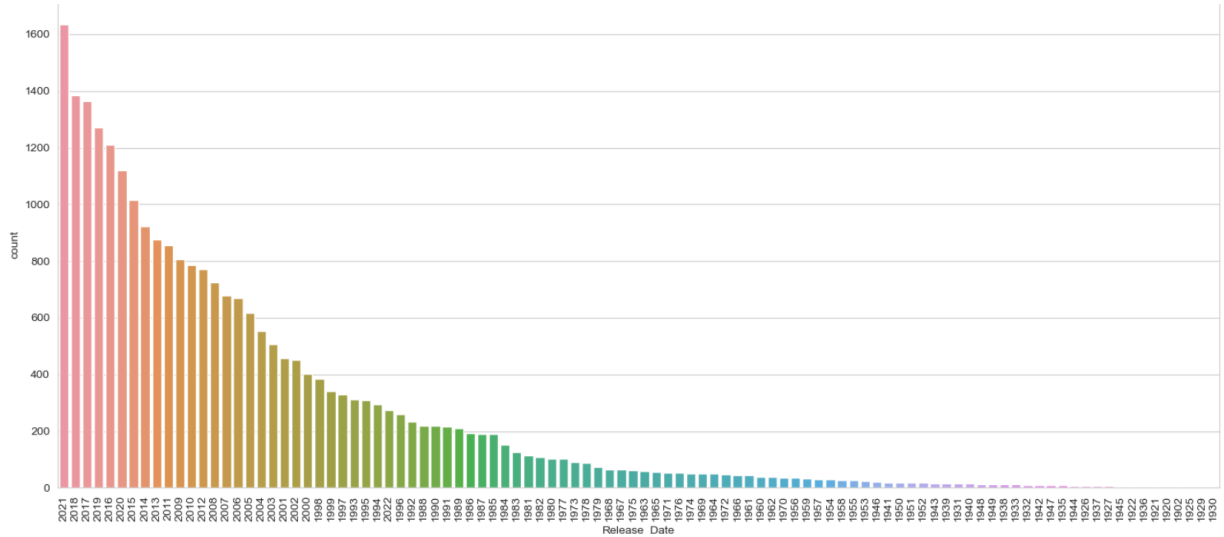
Two movies were identified as least popular:

1. **The United States vs. Billie Holiday**
 - Genres: Music, Drama, History
2. **Threads**
 - Genres: War, Drama, Science Fiction



Movie Releases Over Time

- The year **2021** saw the **highest number of movie releases** in the dataset.



Conclusion

- Drama** dominates as the most frequent genre in Netflix movies.
- The majority of movies fall under the **"Average"** popularity label based on vote averages.
- Action + Sci-Fi** combinations like Spider-Man drive high popularity.
- Movies released in **2021** dominate the dataset, reflecting a surge in streaming releases.