

Netflix IMDb Dataset Analysis Report

Overview:

This report provides a comprehensive analysis of IMDb ratings for content available on Netflix, focusing on key trends across decades, content types, and annual output. The findings offer valuable insights into user preferences, content performance, and historical patterns.

1. General Statistics:

- **Total content analyzed:** 5,283 titles
 - **Movies:** 3,407
 - **Shows:** 1,876
 - **Overall IMDb Rating Skewness:** -0.659
 - **Interpretation:** Slightly left-skewed, indicating a concentration of higher-rated titles with a few low-rated outliers dragging the mean down.
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2. Ratings by Decade:

- **Highest Average IMDb Score:** 1960s
- **Lowest Average IMDb Score:** 2020s

There is a clear downward trend over time — average IMDb scores decrease gradually from the 1950s to 2020s. The 1960s–1980s feature many high-scoring years (e.g., 8.3 in the 1970s). From the 1990s onward, scores became more consistent but generally lower (6.2–7.1), possibly due to changing audience expectations, content saturation, or evolving voting behavior.

3. Content Type Comparison:

- **Average IMDb Rating – Shows:** 7.02
- **Average IMDb Rating – Movies:** 6.27

TV shows consistently outperform movies, suggesting stronger audience reception — possibly due to longer story arcs, deeper character development, and episodic engagement.

In addition, when we look at how spread out the ratings are for each type, we find: • **Movies have a standard deviation of 1.06**, while **shows have a lower standard deviation of 0.98**. This means that **shows are more consistent in quality** — most fall close to the average

score. On the other hand, **movies show more variation**, with both highly rated and poorly rated titles.

4. Top Rated Content:

Top 10 Rated Shows:

1. **Khawatir (2005)** – 9.6
2. **Breaking Bad (2008)** – 9.5
3. **Avatar: The Last Airbender (2005)** – 9.3
4. **Our Planet (2019)** – 9.3
5. **Kota Factory (2019)** – 9.3
6. **Reply 1988 (2015)** – 9.2
7. **My Mister (2018)** – 9.2
8. **Arcane (2021)** – 9.1
9. **The Last Dance (2020)** – 9.1
10. **DEATH NOTE (2006)** – 9.0

Top 10 Rated Movies:

1. **C/o Kancharapalem (2018)** – 9.0
 2. **David Attenborough: A Life on Our Planet (2020)** – 9.0
 3. **Forrest Gump (1994)** – 8.8
 4. **Sky Tour: The Movie (2020)** – 8.8
 5. **Inception (2010)** – 8.8
 6. **Bo Burnham: Inside (2021)** – 8.7
 7. **Anbe Sivam (2003)** – 8.7
 8. **Merku Thodarchi Malai (2018)** – 8.6
 9. **Saving Private Ryan (1998)** – 8.6
 10. **Best Wishes, Warmest Regards (2020)** – 8.6
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5. Annual Content Trends:

- **Peak Content Year:** 2019 with 749 releases
- **Lowest Recent Year:** 2022 with only 182 titles

Content production rose steadily from 2014 to 2019, then sharply declined in 2022, likely due to the global COVID-19 pandemic.

6. IMDb Score Trends Over Time:

- 1953–1982: Ratings fluctuated significantly
- 1985: Peak average IMDb score (~8.0)
- 1993–2022: Stabilized around an average of 7.0

Over time, scores have declined slightly and stabilized, reflecting consistent audience satisfaction, though potentially less standout content in recent years.

7. Rating Distribution & Vote Insights:

- Most content clusters around a 6–8 IMDb score range.
 - Some titles with high vote counts (~600K) still sit in that range.
 - Very few titles score above 9 or below 5 — showing tight central clustering.
 - More votes do not necessarily equate to higher or lower ratings.
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Conclusion:

The analysis reveals:

- **TV shows tend to receive higher ratings than movies.**
 - **Older decades, particularly the 1960s–1980s, have higher average scores.**
 - **Production peaked in 2019 and dropped sharply in 2022 due to external disruptions.**
 - **IMDb scores remain stable overall, with a central tendency and a slight left skew.**
 - **High visibility (via vote counts) doesn't significantly impact ratings — suggesting stable, crowd-sourced opinion in the 6–8 range for most Netflix content.**
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