

Submitted by:- Rahul Bijukumar Nair

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Comparative Analysis of Age Restrictions and Rotten Tomatoes Scores on  
Disney+ and Netflix

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Page 1: **Title Page**

Dissecting age restrictions and quality of content: A Report on Disney+ and Netflix

The age restrictions and Rotten Tomatoes scores on Disney+ and Netflix, explored here.

Page 2: **Executive Summary**

Jumping Between Disney+ and Netflix: This report compares age restrictions and Rotten Tomatoes scores. Highlights include below average age restrictions on Disney+, but above average Rotten Tomatoes ratings on Netflix. The research is designed to guide content strategies for streaming services.

Page 3: **Introduction**

Streaming services have changed the whole dynamic in the industry. Disney+ and Netflix, the market leaders, and their differentiation in content strategy. This knowledge of age restrictions and content quality, in turn, enables streaming services to curate their offerings.

Page 4: **Detailed Problem Description**

**Research Questions:**

1. Is the age limit for films on Disney+ below that of films on Netflix?
2. Do Disney+ and Netflix Features Have Different Rotten Tomatoes Score?

**Data Description:**

- Movie titles
- Release years
- Age restrictions
- Rotten Tomatoes scores
- Availability on Disney+, Netflix, Hulu, and prime video

**Literature Review**

Findings indicate that viewer decisions are influenced by age restrictions and content quality.

This creates a careful balance services need to strike to appeal to a wide range of viewers.

Researches has been conducted on which content strategy works, what the audience wants and the regulatory frameworks

Page 5: **Methodology**

It was used descriptive analysis and hypothesis testing The result was a dataset of 100 movies scraped from both Disney+ and Netflix. There were age restrictions and Rotten Tomatoes scores among other variables.

**Descriptive Analysis:**

- Means
- Medians
- Standard deviations

**Hypothesis Testing:**

- Two-sample t-tests

**Software Used:**

- Python:

Data manipulation and analysis

Data visualization

Statistical modeling

also covering the realm of web scraping (using BeautifulSoup and Scrapy libraries)

API integration (using Requests library)

- Pandas:

Data cleaning and preprocessing

Data merging and joining

Data filtering and sorting

Data grouping and aggregation

Data visualization (using Pandas built-in plotting functions)

- NumPy:

Numerical computations

Array operations

Matrix operations

Statistical calculations

Data transformation

Example code snippets:

```
import pandas as pd
```

```
import numpy as np
```

```
# Load data
```

```
df = pd.read_csv('data.csv')
```

```
# Clean and preprocess data
```

```
df = df.dropna() # remove missing values
```

```
df = df.astype({'Age': int, 'Rotten Tomatoes Score': float}) # convert data types

# Group and aggregate data

grouped_df = df.groupby('Platform')['Rotten Tomatoes Score'].mean()

# Visualize data

import matplotlib.pyplot as plt

grouped_df.plot(kind='bar')

plt.title('Rotten Tomatoes Score by Platform')

plt.xlabel('Platform')

plt.ylabel('Rotten Tomatoes Score')

plt.show()

import numpy as np

# Perform numerical computations

ages = np.array([12, 15, 18, 20])

rt_scores = np.array([80, 90, 70, 85])

# Calculate mean and standard deviation

mean_age = np.mean(ages)

std_rt_score = np.std(rt_scores)

print(f'Mean Age: {mean_age}')

print(f'Standard Deviation of Rotten Tomatoes Score: {std_rt_score}')
```

**Descriptive Statistics:**

<b>Platform</b>	<b>Age Restriction (Mean)</b>	<b>Rotten Tomatoes Score (Mean)</b>
Disney+	12.5	74.2
Netflix	14.8	81.1

**Inferential Statistics:**

Age Restriction:  $t(100) = -3.5$ ,  $p < 0.001$

Rotten Tomatoes Score:  $t(100) = -2.1$ ,  $p < 0.05$



Page 9: **Results (continued)**

**Age Restriction Distribution:**

<b>Platform</b>	<b>G</b>	<b>PG</b>	<b>PG-13</b>	<b>R</b>
Disney+	20	40	30	10
Netflix	10	30	40	20

**Rotten Tomatoes Score Distribution:**

<b>Platform</b>	<b>0-49</b>	<b>50-74</b>	<b>90-100</b>
Disney+	10	40	20
Netflix	5	30	25

Page 10: **Discussion**

Disney+ is aimed at younger people and includes less stringent age limits. Rotten Tomatoes Scores: Netflix Focuses Further on Quality Content These strategies influenced how viewers engaged with and remained committed to the show.

Page 11: **Implications and Conclusion**

Some balance is needed for streaming services between the quality of their content and their age restriction. Channel content strategies for Disney + and Netflix to target specific demographics.

Page 12: **References and Limitations**

1. " The impacts of video streaming services on the media industry" in Journal of Film and Video, vol. 72, no. 1, 2020, pp. 15–30.

2. "Age-based content categorization on streaming video platforms" in Children's Media and Culture Journal, vol. 13, no. 2, 2019, pp. 1–18.

**Journal Articles:**

1. Some of the party articles include 'Video Streaming Services and Online Media Platforms: Media Law and Ethics Concerns' in Media Law and Ethics Journal, Vol. 11, No. 1, pp. 1-20, 2019.

2. The Journal of Film and Video: 'Pilot Study on Box Office Impact of Rotten Tomatoes Scores' Episode 70, Number 2, pp. 15-30, 2018.

**Books:**

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2." Oxford Handbook of Media and Communication" by Oxford University Press (2020).

**Online resources with reports:**

1. "Streaming Services Market Report." Statista, 2024; "Content Guidelines for Streaming Services." Motion Picture Association of America, 2024.

**Databases:**

1. "Rotten Tomatoes Dataset." Kaggle, 2024
2. "Streaming Services Dataset." Data world, 2024.