

Netflix

Case Study

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The Scenario

- Netflix is a subscription-based streaming service that allows its members to watch TV shows and movies on an internet-connected device.
- As of 2024, the streaming industry is valued at \$544 billion. Netflix currently leads the market with over 247 million users, but is facing growing competition from services like Prime Video, Disney+, Max, AppleTV, and more.

The Problem

**How do we differentiate
our content from other
streaming services?**

The Agenda

Questions

**Dataset of
Choice**

Analysis

Observations

Recommendations

Conclusion

Questions



**What are the
genres Netflix is
most associated
with?**



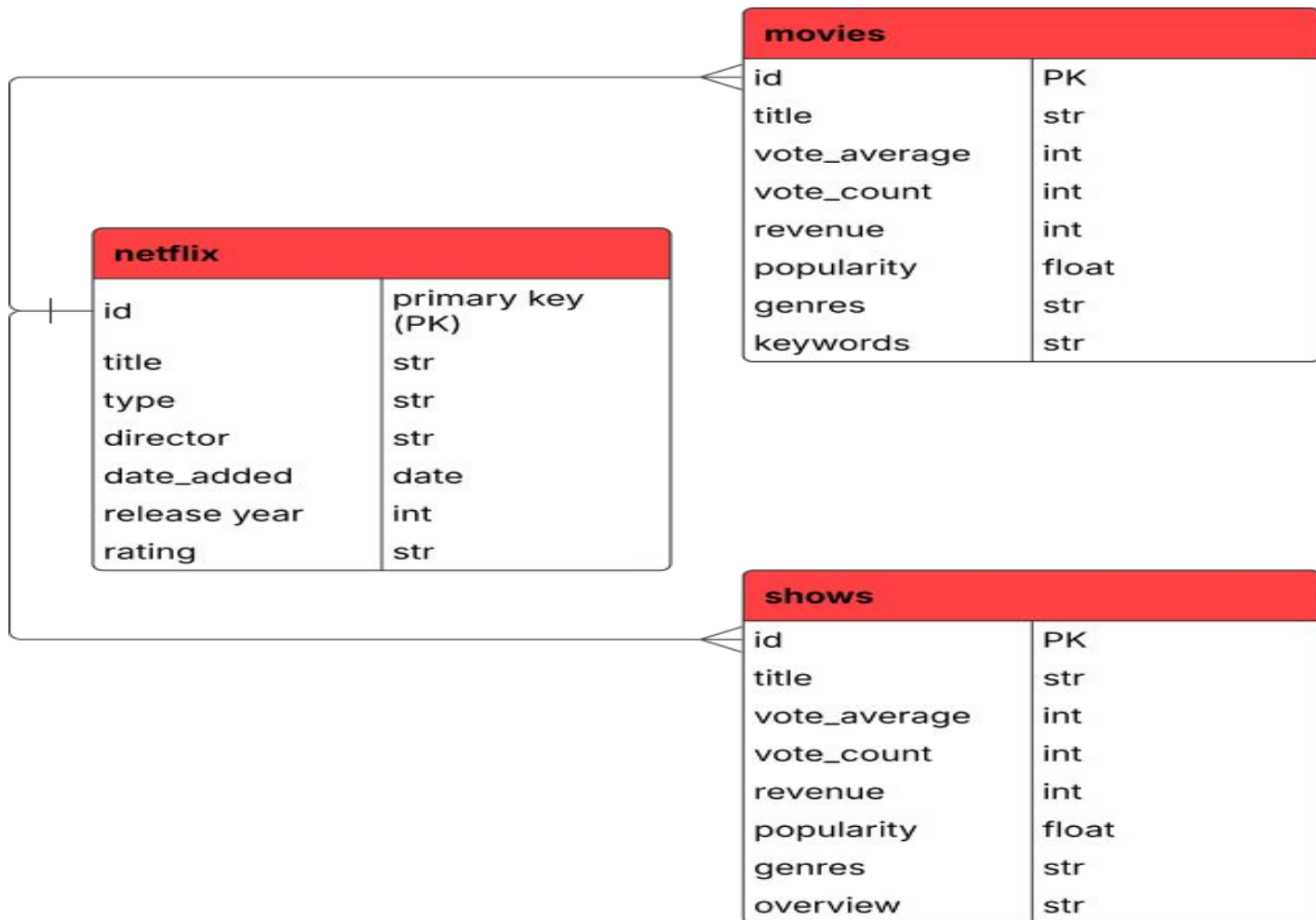
**Who is Netflix's
ideal viewer?**



**What are the
most common
words across
Netflix's content?**

Dataset of Choice

- I will be using three datasets: **Netflix Movies & TV Shows**, **Full TMDB Movie Database**, & **Full TMDB TV Shows Database**
- The **Netflix** table contains data about content (movies & TV shows) released on the platform from 2016–2021
- The **TMDB databases** contains over 1.2 million observations about movies and TV shows which includes additional details (such as genre, keywords, and popularity)
- **Tools used:** RStudio, Tableau, Google Sheets



Analysis

Genres

- The ***type of story*** users watch
- **Variables used:**
genre,
date_added,
count of
movies/shows

Ratings

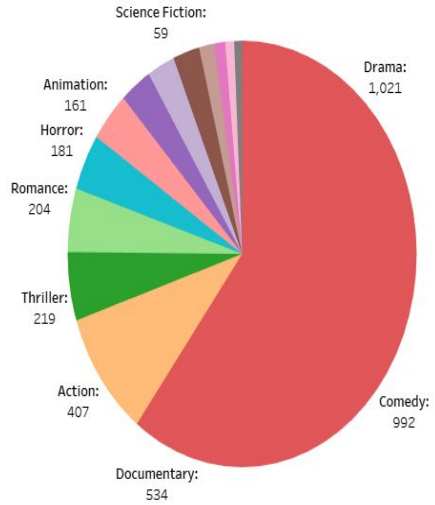
- A measure of ***age demographics***
- **Variables used:**
ratings,
date_added,
genre, keywords,
count of
movies/shows

Keywords

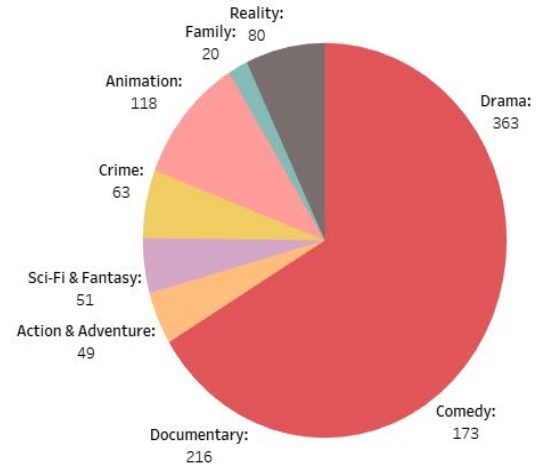
- ***commonly used words*** associated with content
- **Variables used:**
keywords,
description, count
of movies/shows

Genres

Netflix Movie Genre Distribution



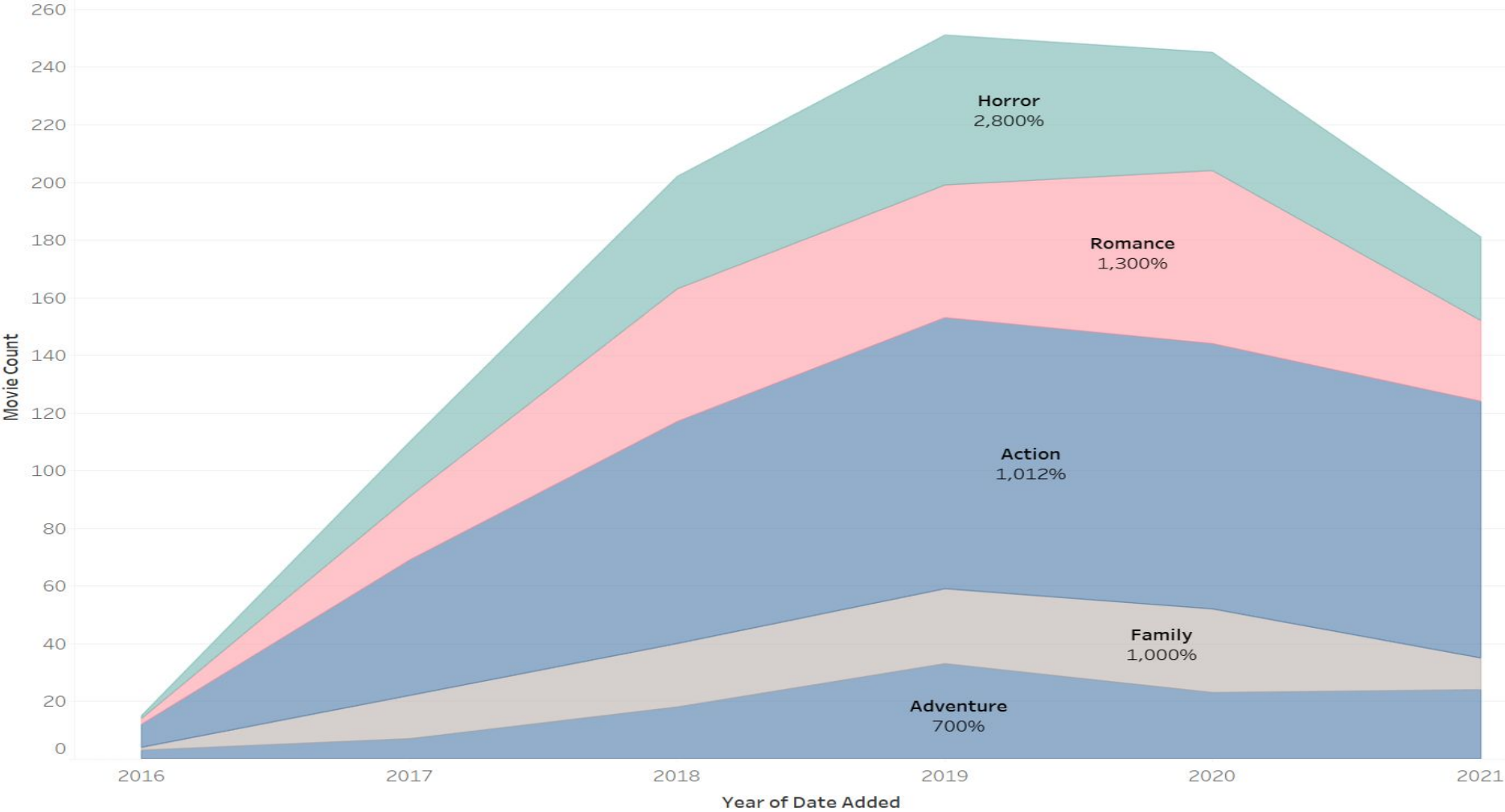
Netflix TV Show Genre Distribution



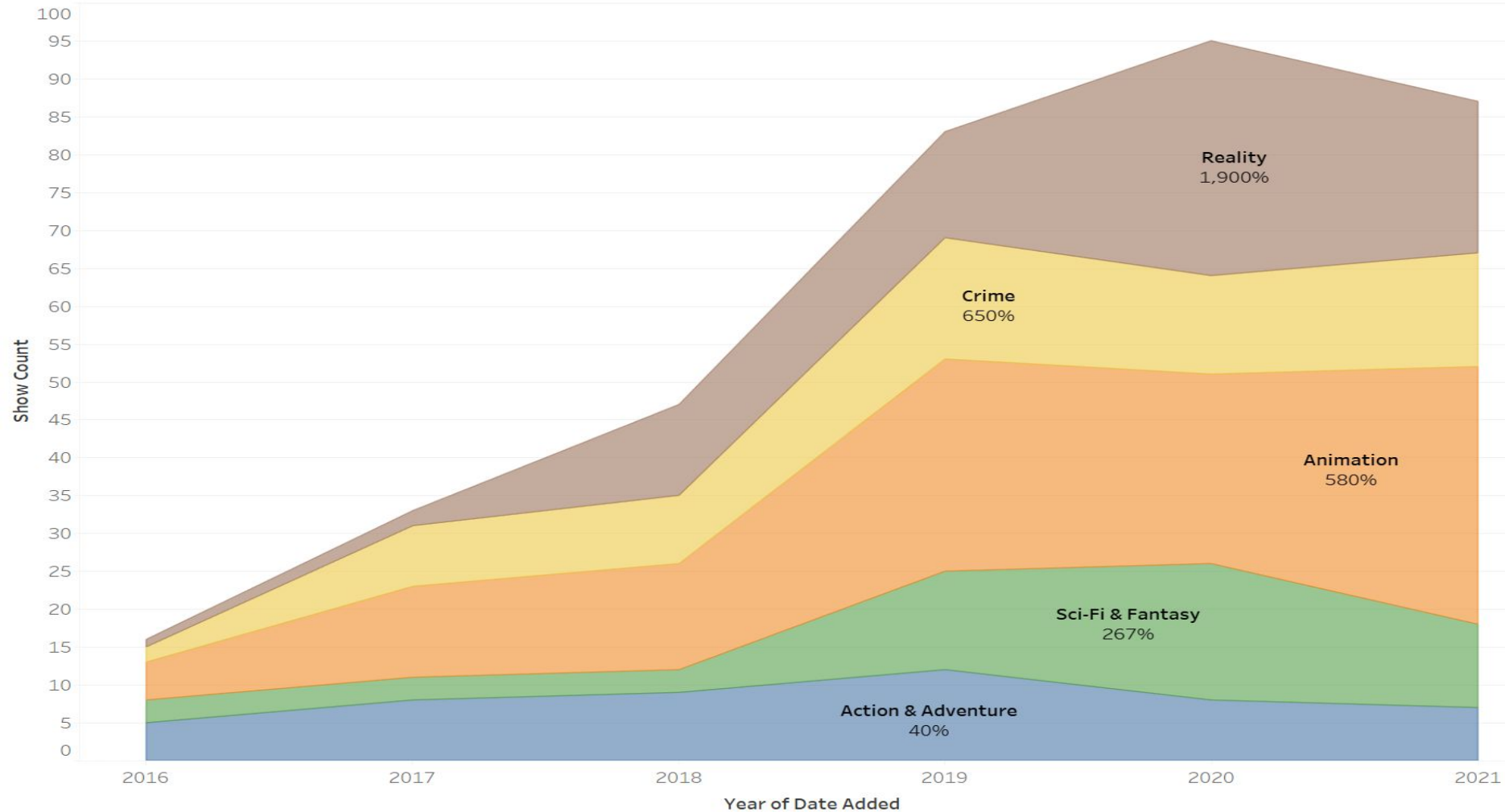
Genres

- ***Drama, Comedy, & Documentary*** dominated Netflix's catalogue for *both* movies and television
- However, between 2016-2021, these genres saw the most growth outside of the three above:
 - ***Movies: Horror*** (2800% cumulative growth), ***Romance*** (1300%), ***Action*** (1012%)
 - ***Shows: Reality*** (1900%), ***Crime*** (650%), ***Animation*** (580%)
- Netflix **expanded on niche genres differently across each content form.** They expanded to release more ***provocative*** movies, and ***an equal mix of real-life and imaginative*** shows on television

Netflix Highest Growing Movie Genres from 2016-2021

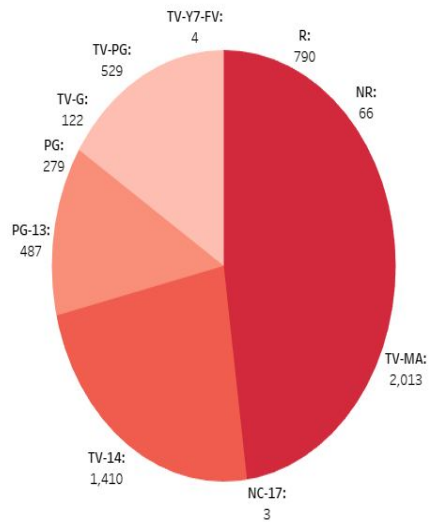


Netflix Highest Growing TV Genres from 2016-2021

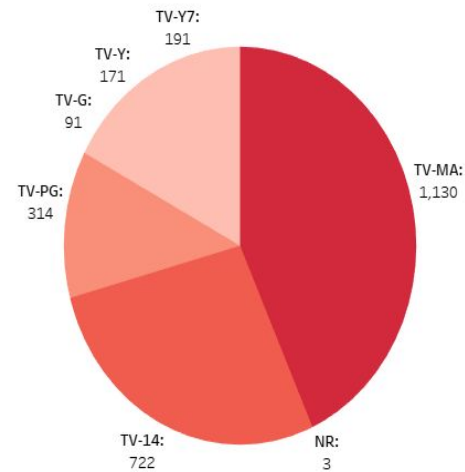


Ratings

Netflix Movie Ratings



Netflix TV Show Ratings

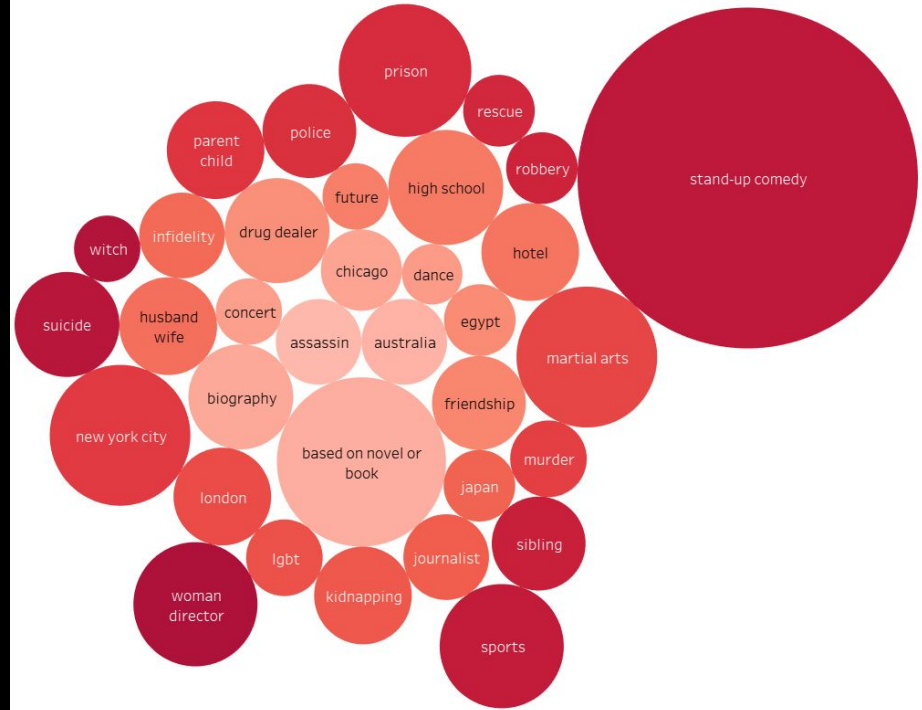


Ratings

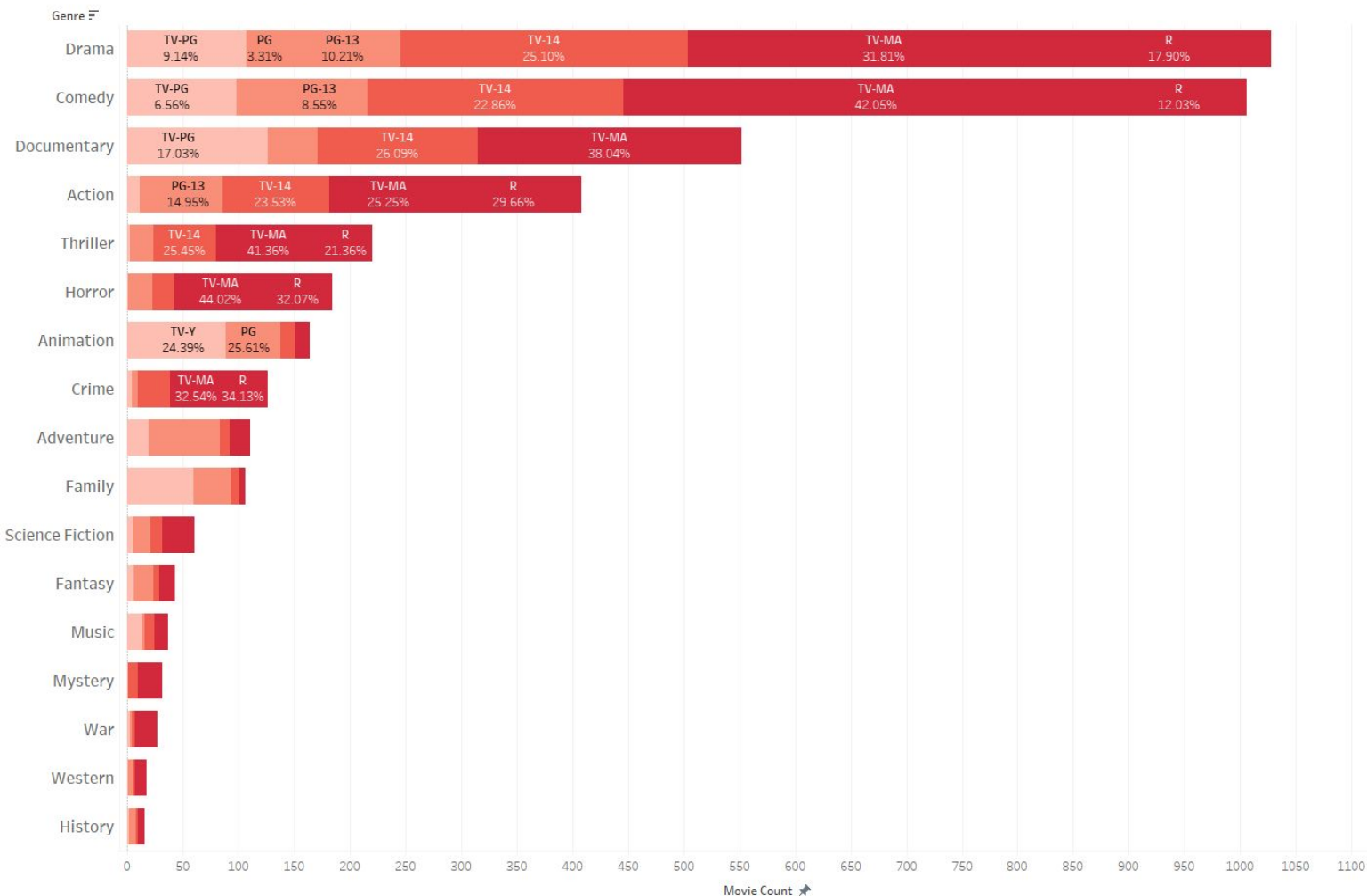
- According to Netflix's maturity rating guidelines, ***roughly 45%*** of their content is ***recommended for adults*** (rated R or TV-MA)
- What are the criteria that make up an "adult" movie?
 - **Keywords:** understand some of the most common words associated with adult content
 - **Genre:** understand the type of story that adult content is built on
 - **Descriptions:** understand common plot points that make up adult content

Ratings: Movies

- For movies, these keywords suggest that **extremity** is a core theme that spans across multiple genres (e.g. suicide, robbery, infidelity, murder, etc.)
- The genres with the most adult content are **Crime, Horror, & Thriller** (at least 60% of these categories are rated R/TV-MA)



Netflix % of Adult Rated Movies per Genre



Rating

- R
- TV-MA
- UR
- NC-17
- NR
- TV-14
- PG-13
- PG
- G
- TV-G
- TV-PG
- TV-Y
- TV-Y7
- TV-Y7-FV

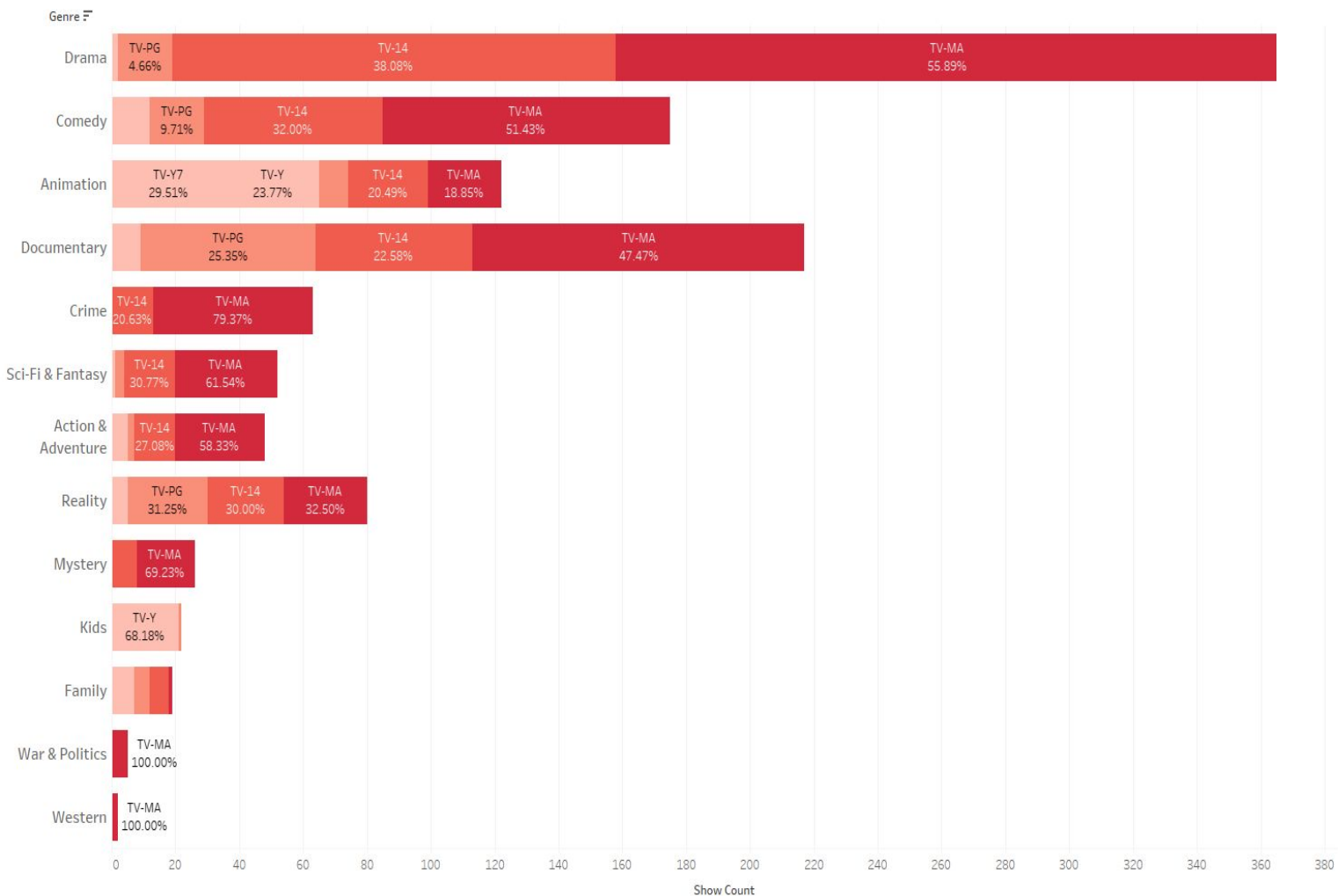
Ratings: Shows

- With TV, **character-oriented descriptions** are more common (e.g. family, group, etc.), but language is still centered around **suspense**
- The genres with the most adult shows are **Crime, Sci-Fi**, and **Mystery** (at least 60% of these categories are rated R/TV-MA)

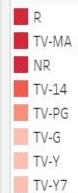
Netflix Adult TV Descriptions



Netflix % of Adult Rated TV per Genre



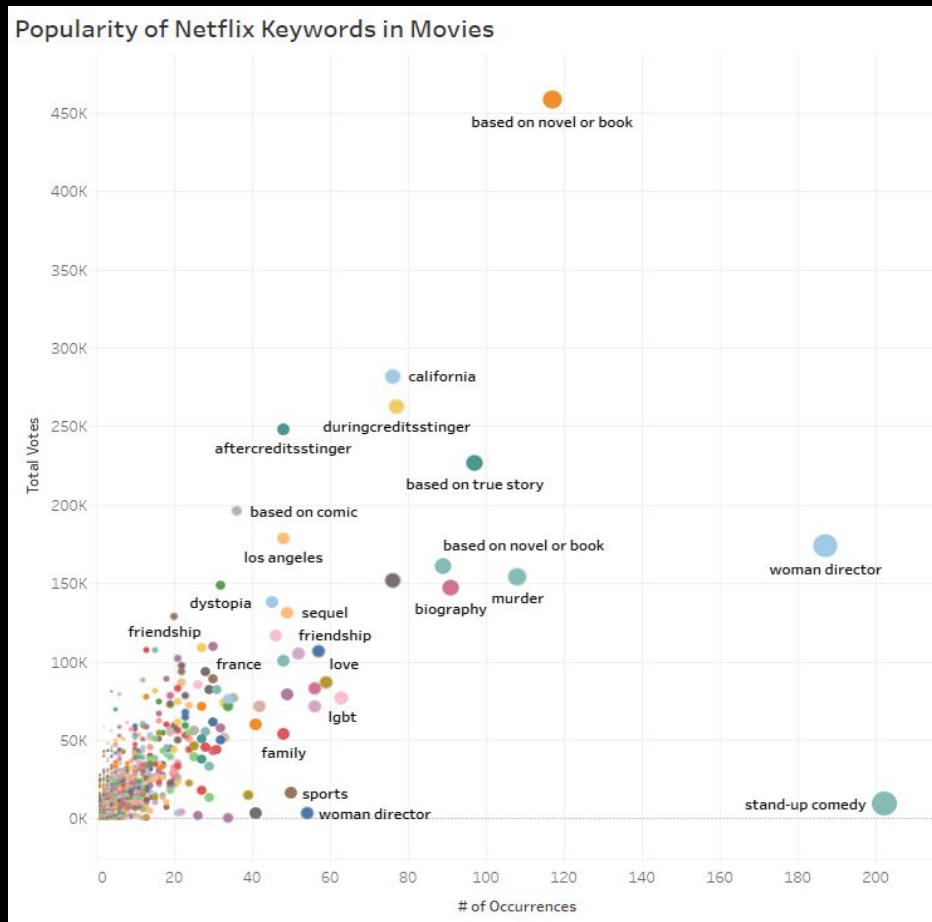
Rating



Keywords

Keywords

- The most common keywords in Netflix's content include:
stand-up comedy, woman director, based on novel or book, murder, or based on a true story
- Based on the plot, these words are strongly ***associated with popular movies***



Observations

- **Provoke, Provoke, Provoke:** content that incites strong emotions across multiple genres (typically through Drama, Comedy, or Horror)
- **Mass Appeal:** audience is paramount; tell stories that anyone in the world can understand--from competition, love, or food
- **Build Movie & TV Niches Separately:** each content form is built on a specific set of genres (that is unique to Netflix)--movies have a generally provocative theme, while television is a mix of reality shows and animation

The Netflix Difference



**Provocative
themes across
all genres**



**Stories with a
mass appeal**



**Strong
expansions with
original content
in both movies &
television**

Appendix

- Data sources used:
 - **Netflix:**
<https://www.kaggle.com/datasets/shivamb/netflix-shows>
 - **TMDB Movies:**
<https://www.kaggle.com/datasets/asaniczka/tmdb-movies-dataset-2023-930k-movies/data>
 - **TMDB TV Shows:**
<https://www.kaggle.com/datasets/asaniczka/full-tmdb-tv-shows-dataset-2023-150k-shows>
- **Icons:** <https://thenounproject.com/>