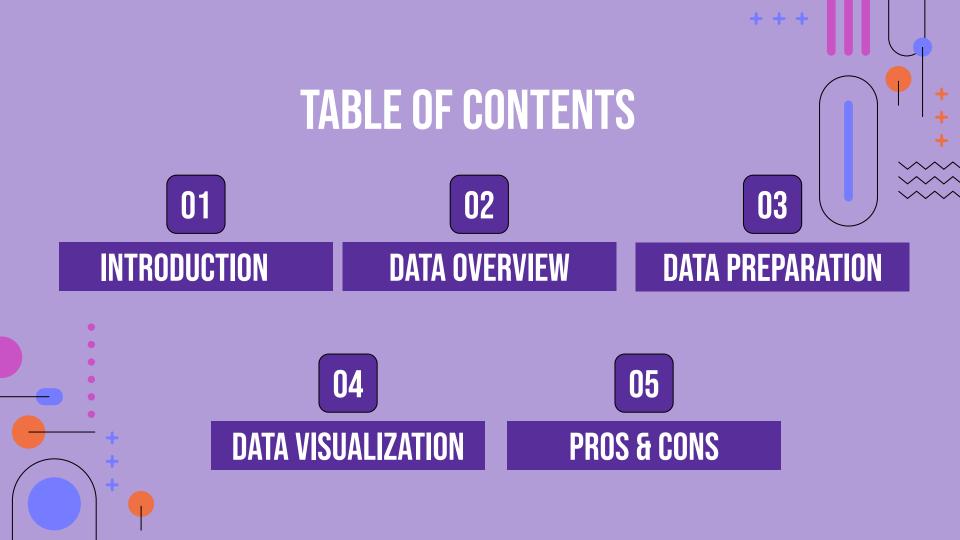
NETFLIX TOP 10 - USA

Presented by

Rucha Patil Viktor Spasic Ci Song







O1 INTRODUCTION

Let us tell you about how we got our dataset and why did we choose it?





Our Datasets:

- 1. Primary: Netflix Daily Top 10
 - Published by Prasert Kanawattanchai on Kaggle
- 2. Supplementary: Netflix Movies and TV shows
 - Published by Shivam Bansalon on Kaggle

About Dataset:

- 1. **Source**: Kaggle, an online crowd-sourced platform used by data scientists globally
- 2. Why choose?: Netflix, a trending topic of +discussion +
- 3. **Purpose:** To understand the Netflix consumer viewership behavior in the time of Covid crisis.

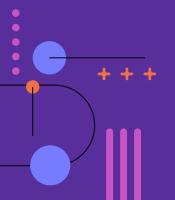
SOURCE COMPARISON

Dataset	Original Source	Kaggle Source	Reasoning
Primary: Netflix Daily Top 10	The_numbers.com, the largest freely-available database of movie business information	A subset that contain top 10 Netflix titles for the period of April 2020 to Mid- March 2022	We chose Kaggle to focus on Covid period exclusively
Supplementary: Netflix Movies and TV shows	Flixable, a search engine company that lists information of movies and shows on all streaming platforms	A subset that contains all Netflix movies and shows data added until September 25, 2021	We will use kaggle for data until Sept 2021 and also refer to Flexible for any additional 2022 specific data.



DATA OVERVIEW

A peek inside what these datasets include





NETFLIX DAILY TOP 10

7100 rows, 10 columns and 5 data types in the primary dataset

Netflix Daily Top 10

Column	Datatype	Description	Units	Missing Value%
As of	Date	The date of record for daily rank	Date	0%
Rank	Int	Daily rank for top 10 shows each day	Hours spent by subscribers on daily basis	0%
Year to Date Rank	Int	The rank for each show from the beginning of the year to record date	Hours spent by subscribers on daily basis	12%
Last Week Rank	String	The rank for each show from last week	Hours spent by subscribers on weekly basis	0%
Title	String	Name of the show	1	0%
Netflix Exclusive	String	Whether the show is only available on Netflix or not	1	35.2%
Netflix Release Date	Date	The date when the show is released on Netflix	Date	0%
Days in Top 10	Int	Days when the show is staying on the list of top 10	Day	0%
Viewership Score	Int	Points assigned from 1 to 10 based on the daily rank 1 to 10	Point	0%

NETFLIX MOVIES AND TV SHOWS

+ + +

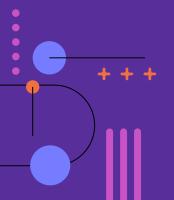
8807 rows, 12 columns and 3 data types in the supplementary dataset

Netflix Titles							
Column	Datatype	Description	Units	Missing Value%			
Туре	String	The date of record for daily rank	1	0%			
Title	String	Daily rank for top 10 shows each day	/	0%			
Director	String	The rank for each show from the beginning of the year to record date	/	37.1%			
Cast	String	The rank for each show from last week	/	9.4%			
Country	String	Which country is the show made	1	9.4%			
Date_added	Date	The date when the show is available on Netflix	Date	0.1%			
Release_year	Date	Name of the show	Year	0%			
Rating	String	Whether the show is only available on Netflix or not	/	0%			
Duration	String	The date when the show is released on Netflix	/	0%			
Listed_in	String	Days when the show is staying on the list of top 10	/	0%			
Description	String	Points assigned from 1 to 10 based on the daily rank 1 to 10	/	0%			



DATA PREPARATION

Steps taken to clean, format and organize our data





DATA SCOPE & CLEAN



DROP COLUMNS

Drop irrelevant columns



RENAME COLUMNS

Rename columns for making it user friendly



FORMAT DATA TYPE

Format data to make it readable and standard



CREATE COLUMNS

Create new columns derived from existing columns for cleaner values



REMOVE DUPLICATES

Remove any duplicate rows to avoid double counting



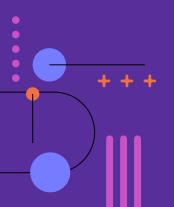
JOIN DATASETS

Join datasets to create analytics using both datasets

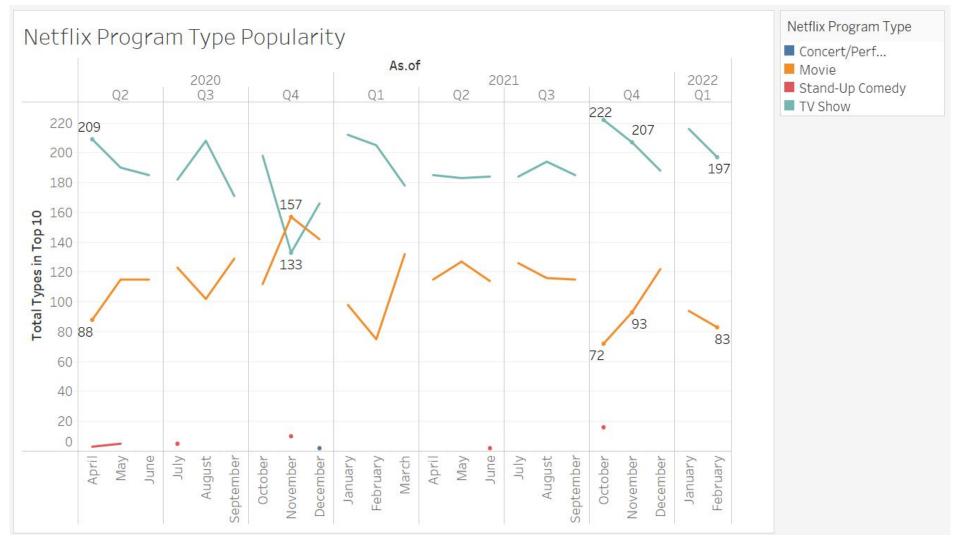


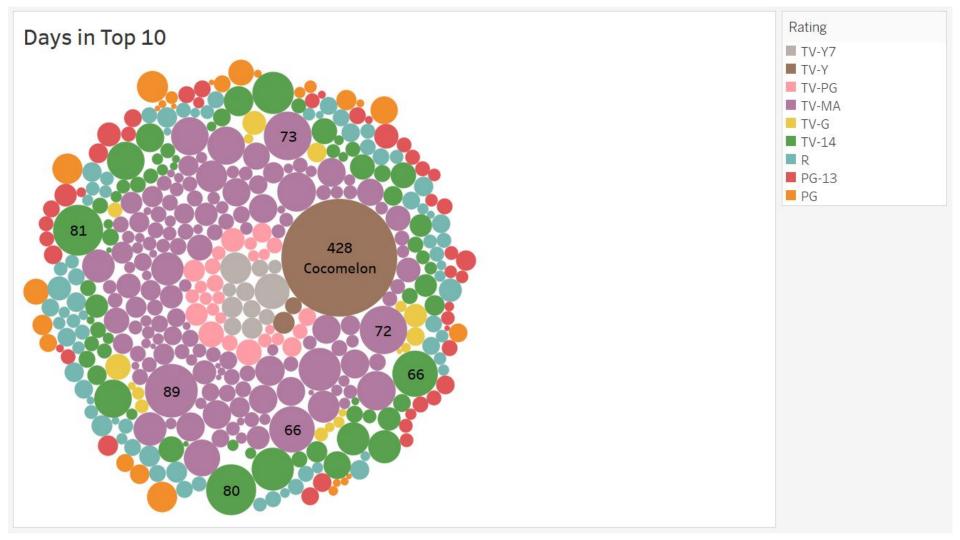
DATA VISUALIZATION

Insights from Visual Analytics



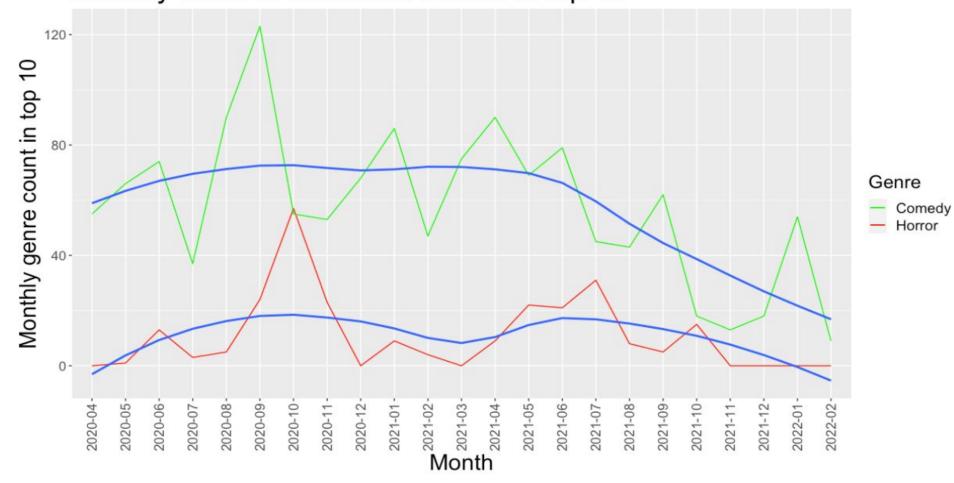




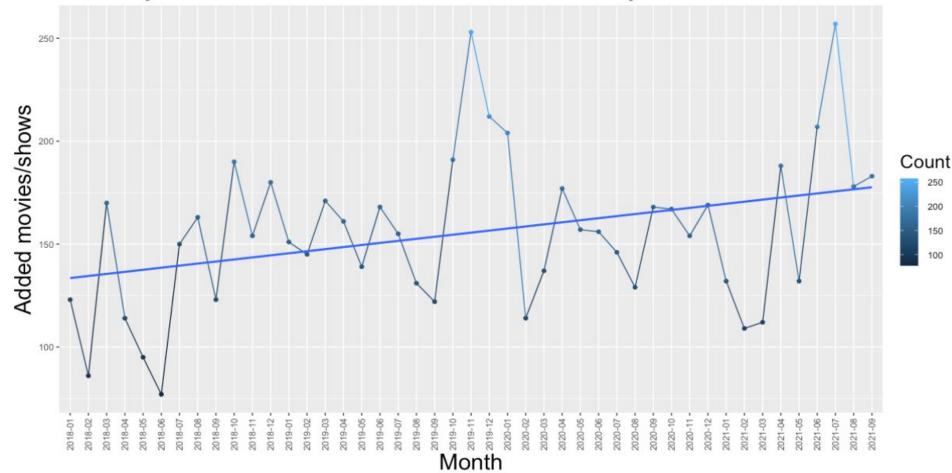


MAX(Genres) Genres Distribution on Netlix USA Action & Adventure Anime Features International TV Shows Children International Movies Anime Series 2,752 & Family British TV Shows 1,351 Movies Children & Family ... Classic & Cult TV 641 Classic Movies Comedies Crime TV Shows Cult Movies Documentaries Crime Kids' Documentaries 869 TV TV Docuseries Shows 451 Dramas Dramas 470 2,427 ■ Faith & Spirituality Action & Adventure Horror Movies 859 ■ Independent Movies British Horror International Movi... Movies TV Shows International TV S... ■ Kids' TV 357 TV Dramas Sci-Fi & Korean TV Shows 763 Stand-Up LGBTQ Movies Fantasy Comedies Comedy Movies 1.674 Music & Musicals **Independent Movies** ■ Reality TV 756 Reality TV Romantic Movies 255 Romantic TV Shows Sci-Fi & Fantasy

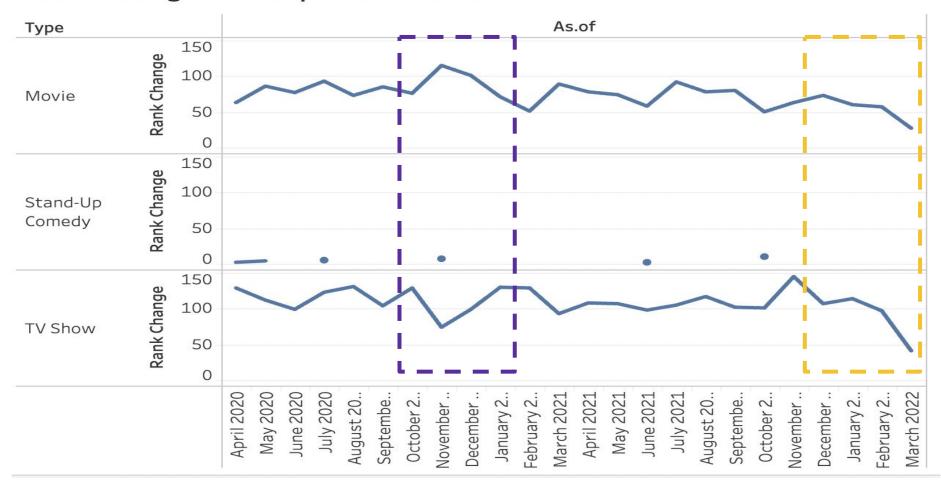
Monthly count of comedies/horrors in top 10



Monthly count of Netflix releases from January 2018



Rank Change from Apr 2020 - Mar 2022





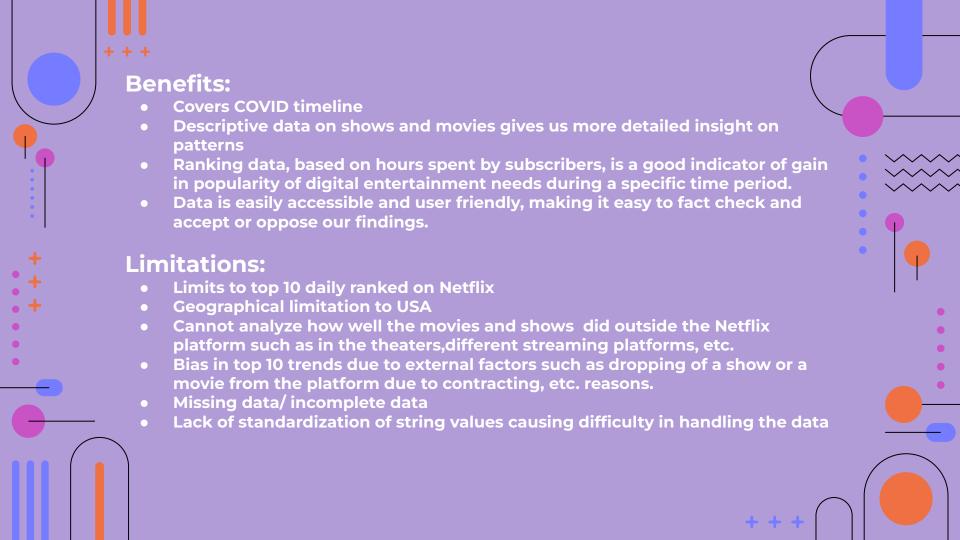
CONCLUSION

Summary, Dataset usability and potential future applications











Future goals and applications:

To understand:

- How will consumers potentially behave in next home confiding catastrophe in terms of entertainment needs and how will they behave in a normal setting after a catastrophe?
- How to budget/invest for future movie/show releases?
- Which entertainment types/categories need more marketing to make up for the production expenses during covid?
- Future competitive analysis of streaming platform performance?

THANKS!

Do you have any questions?

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REFERENCES

Datasets:

Main: https://www.kaggle.com/datasets/prasertk/netflix-daily-top-10-in-us

Supplementary: https://www.kaggle.com/datasets/shivamb/netflix-shows?resource=download https://www.kaggle.com/datasets/luiscorter/netflix-original-films-imdb-scores

Netflix News:

https://www.forbes.com/sites/jonathanponciano/2020/10/19/netflix-earnings-5-numbers-growth-continues-during-the-coronavirus-pandemic/?sh=7cdeb05d225e

https://time.com/6198354/netflix-subscribers-loss-second-quarter-future/

https://www.nytimes.com/interactive/2021/us/covid-cases.html

https://www.bbc.com/news/business-62226912

https://9to5mac.com/2022/09/22/netflix-subscribers-planning-to-leave/