NETFLIX DATA ANALYSIS

PRESENTED BY -DEV DASHORA

AGENDA

- Project Objective
- Analysis Questions
- Tags Used
- Project Outcome

PROJECT OBJECTIVE

The objective of this project is to conduct a comprehensive analysis of the Netflix dataset, encompassing TV shows and movies available until 2021. Through data manipulation and visualization techniques, this analysis aims to:

1. Identify and interpret trends in release dates, content categories, and geographical distributions.
2. Uncover patterns and insights related to directors, cast members, ratings, and content duration.
3. Provide a clear understanding of the distribution and evolution of Netflix's content library over the years.
4. Utilize visualizations to effectively communicate findings and support data-driven decision-making.

By achieving these objectives, the project seeks to offer valuable insights into the composition and trends of Netflix's content offerings, contributing to a better understanding of the platform's growth and diversity.

ANALYSIS QUESTIONS

Q1.Is there any Duplicate Record in this dataset ? If yes, then remove the duplicate records.

Q2.Is there any Null Value present in any column ? Show with Heat-map.

Q.3.For 'House of Cards', what is the Show Id and Who is the Director of this show ?

Q.4.In which year highest number of the TV Shows & Movies were released ? Show with Bar Graph.

ANALYSIS QUESTIONS

Q.5. How many Movies & TV Shows are in the dataset ?
Show with Bar Graph.

Q.6. Show all the Movies that were released in year 2000 &
2020.

Q.7.Show only the Titles of all TV Shows that were released in
India only.

Q.8.Show Top 10 Directors, who gave the highest number of TV
Shows & Movies to Netflix ?

ANALYSIS QUESTIONS

Q.9. Show all the Records, where "Category is Movie and Type is Comedies" or "Country is United Kingdom".

Q.10. In how many movies/shows, Tom Cruise was cast ?

Q.11. What are the different Ratings defined by Netflix ?

Q.12.1. How many Movies got the 'TV-14' rating, in Canada ?

ANALYSIS QUESTIONS

Q.12.2. How many TV Show got the 'R' rating, after year 2018 ?

Q.13. What is the maximum duration of a Movie/Show on Netflix ?

Q.14. Which individual country has the Highest No. of TV Shows ?

Q.15. How can we sort the dataset by Year ?

Q.16. Find all the instances where : Category is 'Movie' and Type is 'Dramas' or Category is 'TV Show' & Type is 'Kids' TV

TAGS USED

- head()
- tail ()
- shape
- size
- columns
- dtypes
- info()
- value_counts()
- unique()
- nunique()

- duplicate()
- isnull()
- dropna()
- isin()
- str.contains()
- str.split()
- to_datetime()
- dt.year.value_counts()
- groupby()
- countplot()
- max(), min()

- **Creating New Columns**
- **Creating New Dataframe**
- **Filtering (Single Column)**
- **Filtering (Multiple Columns)**
- **Filtering with**
- **And Filtering with OR**

Seaborn

-Bar Graphs

PROJECT OUTCOME

- **Content Trends and Patterns:** The analysis revealed significant trends in release dates, content categories, and geographical distributions, illustrating the evolution of Netflix's content library over the years.

- **Director and Cast Insights:** Identified top directors with the most contributions to Netflix and analyzed the presence of notable actors, providing insights into influential contributors and popular talent.

- **Rating and Duration Analysis:** Explored the distribution of ratings and analyzed the duration of movies and shows, highlighting the variety and typical lengths of Netflix's content offerings.

- **Geographical Insights:** Determined which countries produce the highest number of TV shows and movies, with specific insights into content released exclusively in regions like India.

- **Effective Data Visualization**: Utilized bar graphs, heatmaps, and other visualizations to clearly communicate the findings, ensuring the analysis results were easily interpretable and actionable.

CONTACT ME

Email

devdashora.work@gmail.com

LinkedIn

www.linkedin.com/in/devdashora

Github

www.github.com\hydrogen012

THANK YOU!