**Power BI Dashboard Projects**

**1. NETFLIX**

**Project Objective**

The objective of this project is to design and develop a comprehensive Netflix dashboard to analyze the performance of Netflix content (movies, tv series) in terms of views, ratings, votes , genre, contents as per the country , user engagement , recommendation effectiveness, competitor benchmarks, and marketing campaign impacts. This will provide actionable insights to optimize content strategy, enhance user experience, and drive business growth.

**Import data to Power BI**

1. Prepare Excel file
2. Import Excel file to Power BI
3. Data cleaning
4. Data Processing

### DAX Queries

1. Number of show title = DISTINCTCOUNT(Listings[Title])
2. Number of Votes = sum(Listings[Votes])
3. Average Rating = AVERAGE(Listings[Rating])
4. votes per title = (divide([# Votes],[# title]))
5. Total movies = CALCULATE([# title],FILTER(Listings,Listings[Listing type]="Movie"))
6. Movie Average Rating = CALCULATE([Average Rating],FILTER(Listings,Listings[Listing type]="Movie"))
7. Movie votes = CALCULATE([# Votes],FILTER(Listings,Listings[Listing type]="Movie"))
8. % of movies vote labels =

var \_percentoftotal=round(DIVIDE(Movies[Movie votes],[# Votes]),2)\*100

var \_percentoftitle=FORMAT(ROUND(DIVIDE(Movies[Movie votes],[# Total movies]),0),"#,##")

RETURN

"(" & \_percentoftotal &"%) | "& \_percentoftitle & " votes per title"

1. Total TVshows = CALCULATE([# title],FILTER(Listings,Listings[Listing type]="television"))
2. TV shows Average Rating = CALCULATE([Average Rating],FILTER(Listings,Listings[Listing type]="Television"))
3. TVshow votes = CALCULATE([# Votes],FILTER(Listings,Listings[Listing type]="Television"))
4. Listing type =
5. switch(
6. true(),
7. Listings[Type] in {"movie","tvMovie"},"Movie",
8. Listings[Type] in {"tvEpisode","tvMiniSeries","tvMovie","tvSeries","tvShort","tvSpecial"},"Television")

**Project Insights  
1.** Total shows were 5,501 among which 2634 are movies and 2687 are TV shows.

**2.** Average rating is 6.7

**3.** The total user votes for the shows is more than 115 million among which 64% percent votes are for movie and 35 % votes are for tv shows.

**4.** Among the movies and shows the comedy genre has the highest number of the shows.

**5.** The War genre has the highest rating.

**6.** The United States has the highest number of content in the Netflix along with higher votes for the shows.

**7.** The Highest rated show in the Netflix is the TV series “Stranger things”

**2. HEALTHCARE PROVIDER’S ANALYTICS DASHBOARD – 1**

### Project Objective

The objective of this project is to design and develop a comprehensive healthcare dashboard that enables healthcare providers, administrators, and decision-makers to effectively monitor, analyze, and manage key health metrics and operational data. This dashboard aims to enhance patient care, streamline operations, and support data-driven decision-making through the following specific goals

Import data to Power BI

1. Prepare csv file
2. Import CSV file to Power BI
3. Data cleaning
4. Data Processing

### DAX Queries

1. **Total Billing Amount**

Total Billing amount = [Total Medication cost]+[Total Treatment cost]+[Total Room Charge]

### Total Patients

Total Patients = DISTINCTCOUNT(visits[Patient ID])

### Total Room Charge

Total Room Charge = sumx(visits,

visits[Room Charges(daily rate)]\*visits[Admitted day])

### Length of Admitted days

Admitted day = DATEDIFF( visits[Admitted Date], visits[Discharge Date],DAY

)

### Out of Pocket Billing amount (Without Insurance)

Out-of-Pocket = [Total Billing amount]-[Total insurance coverage]

### Percentage of Billing Amount by Procedure

% Procedure = divide(

[Total Billing amount], (CALCULATE([Total Billing amount], ALL(procedures[Procedure]))

)

)

### Percentage of Billing Amount by Department

% department = divide(

[Total Billing amount], (CALCULATE([Total Billing amount], ALL(departments[Department]))

)

)

### Average Billing Amount Per Visit

Average Billing amount per visit =

divide(

[Total Billing amount], [Total Patients]

)

1. **Average Out of pocket** = divide(

[Out-of-Pocket], [Total Patients]

)

### Project Insight

Overview

* + Total Billing Amount are 3.36 M
  + Total Patients are 4973
  + Total Out Of Pocket Billing is 1.13 M
  + Average Billing amount per Visit is 674.86 pound
  + Average out of pocket charge is 227.26 pound
  + Cardiology department contributes the highest to the billing amount 25.24%
  + X-Ray services contributes to the highest billing amount

**Netflix Power BI Dashboard**

### ****Content Performance Analysis****

* **Objective**: Analyze the performance of Netflix content (movies, series, documentaries) in terms of views, ratings, and user engagement.
* **Data Sources**: Viewership data, ratings, user reviews, votes social media sentiment.

### ****Market and Regional Analysis****

* **Objective**: Analyze market performance in different regions to understand regional preferences and growth opportunities. In this dashboard , the number of titles ,average rating and votes as per the country has been determined
* **Data Sources**: Regional subscription data, regional content performance, demographic data. The dashboard has used both the tabular and world map tools for visualization in terms of country level.

### . ****User Engagement and Behavior****

* **Objective**: Understand user behavior and engagement patterns as per views , rating and votes to enhance user experience and tailor content recommendations.
* **Data Sources**: User activity logs, interaction data, recommendation system performance.

### ****Content Recommendation Effectiveness****

* **Objective**: Evaluate the effectiveness of Netflix’s recommendation algorithm in driving user engagement and satisfaction.
* **Data Sources**: Recommendation data, user interaction data, satisfaction surveys.