

## Introduction to Power BI

**Power BI** is a business analytics tool developed by Microsoft that allows users to visualize data, share insights, and collaborate on reports across various platforms. It provides a user-friendly interface for connecting to various data sources, transforming raw data into interactive dashboards and reports that can help in data-driven decision-making.

Link to Download the Software - <https://www.microsoft.com/en-us/power-platform/products/power-bi/downloads>

U Tube Video Link - <https://www.youtube.com/watch?v=tY-ZUtlxq9w>

U Tube Video Link - [https://www.youtube.com/watch?v=\\_xs8XXIGQVM](https://www.youtube.com/watch?v=_xs8XXIGQVM)

## Analysis of Amazon Prime Dataset Using Power BI

- i) Create a map to display the total shows by country
- ii) Create a Donut chart to show the percentage of movie and TV shows
- iii) Create an area chart to show by release year and type
- iv) Create a horizontal bar chart to show the Top 10 genre
- v) Creating a Bubble Graph for Movies and TV Shows
- vi) Top 10 Ratings (Which rating has taken place more number of Times)
- vii) Create a text sheet to show the description of any movie
- viii) Build an interactive Dashboard.

U Tube Link - [https://www.youtube.com/watch?v=\\_xs8XXIGQVM](https://www.youtube.com/watch?v=_xs8XXIGQVM)

Link to Download the DataSet - - <https://www.kaggle.com/datasets/shivamb/amazon-prime-movies-and-tv-shows>

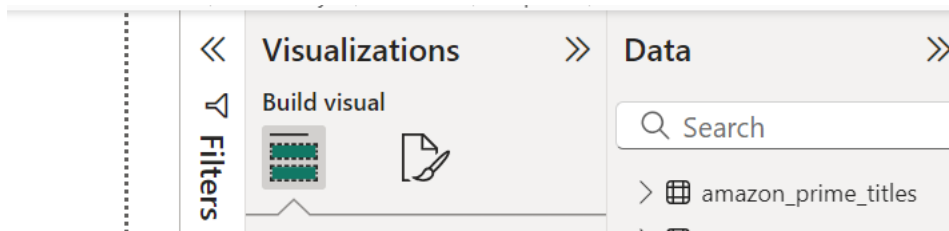
**About this Dataset:** Amazon Prime is another one of the most popular media and video streaming platforms. They have close to 10000 movies or TV shows available on their platform, as of mid-2021, they have over 200M Subscribers globally. This tabular dataset consists of listings of all the movies and TV shows available on Amazon Prime, along with details such as - cast, directors, ratings, release year, duration, etc.\*

## How to connect the data set

### Link to the Data Set-

Click on to Get Data, select your file, and then load it. Once it is loaded, your data is on the right side under the tab Data.

**Click on to the arrow, we can see the fields in our dataset.**



- Click on the formatting pane, select canvas settings
- Click on to canvas Background, and you can change the color according to your choice.
- Make transparency 0 percent.

### **Create a map to display the total shows by country**

- Click on Globe
- Select Country
- Place show ID to Tool Tips and change it to Count Distinct

### **How to do the formatting**

- Click on the formatting pane, and select the title Style, size, colour, making it the centre, according to your view
- Make the divider on , and set the border style and thickness of the divider

### **Create a Donut chart to show the percentage of movie and tv shows**

- Select the donut chart
- Select the type on the legend
- On the filter Shelf select only TV shows and movie
- Place Show id into values, and make it a count Distinct
- Place the title and do the formatting appropriately
- Dat values make it a percent of the total
- If you want to change the color of the donut, select Slices and change the color

### **Create an area chart to show by release year and type**

- Click on Area chart
- Place the release Year in the X axis, if it is showing aggregate measure, then change the data type to Date for the Release year column, by clicking to transform data, change release year to Date, Click on close, and Apply
- On Y axis place Count show ID
- Place Type to legend

### **Top 10 Ratings (Which rating has taken place more number of Times)**

- Select horizontal Bar Chart
- On the Y axis place the Ratings
- On The axis place Count of Distinct Show ID
- If you drag your graph , you can make it to top 10 or 11 according to the requirements. No need to do any filtering as in Tableau
- Make X-axis labels white, Change the bar colour according to your view

### **Create a horizontal bar chart to show the Top 10 genre**

- Select Bar graph from visual
- Place listed in Y axis
- Distinct count of Show ID on X axis

### **Create a text sheet to show the description of any movie**

- Select Table from the visuals
- To the column add Data a Titles
- Also to the column add Data Description
- In the Filter elect only one or two Titles from the entire list

### **How to Add the Title to the Dashboard**

- Click on inert from the tool bar
- Click on Text Box
- Add the Title and do the formatting

