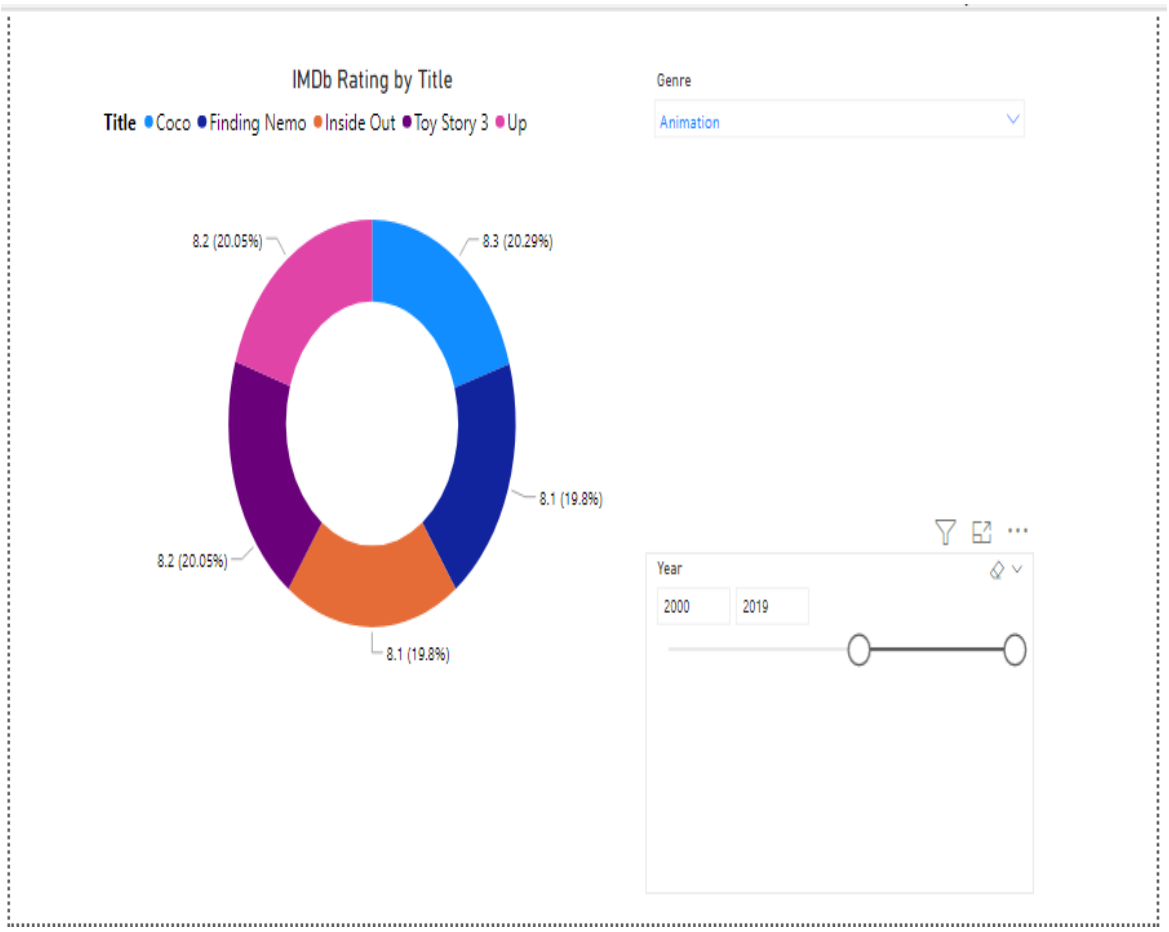
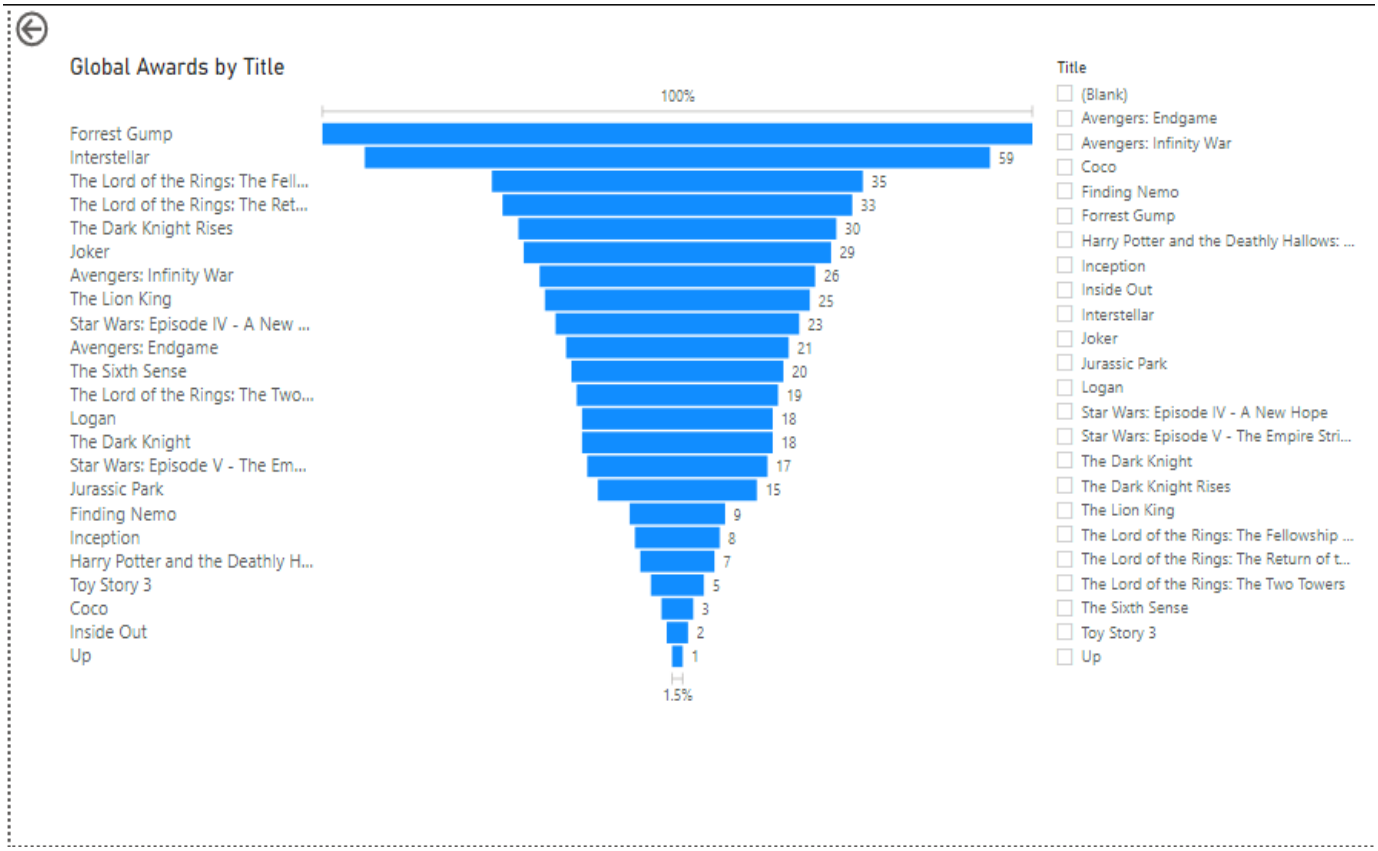
Project 2 Report

1) What are instances of animation films that have delivered in terms of quality (IMDB rating) during the last two decades?



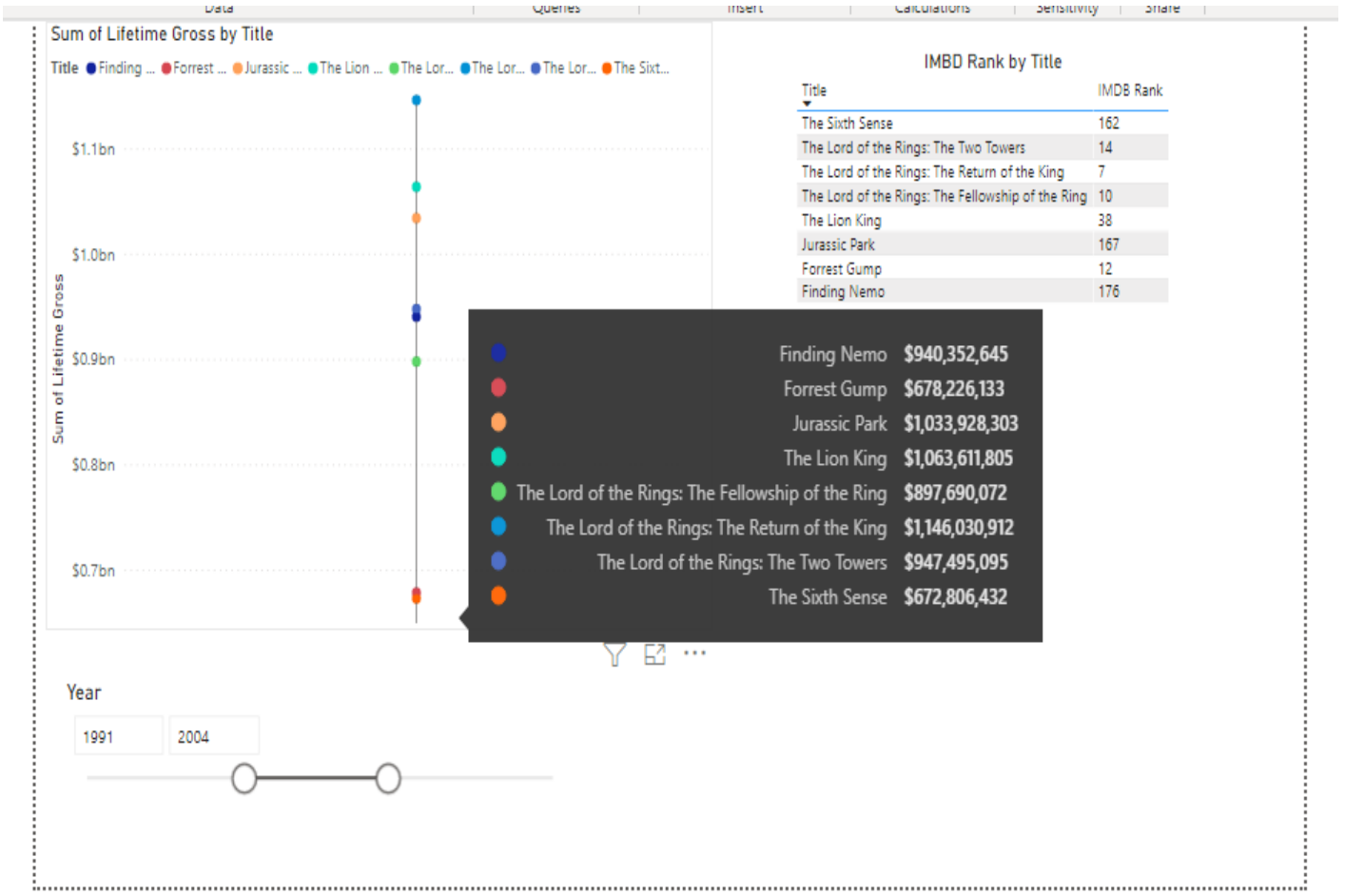
The above Visualization is designed to indicate list of animation movies that has got some good Response from the audiences. Over the period of time, Moviegoers Started enjoying films made of animation especially children of families are primary targeted audiences for this genre in cinema. In the visualization, Donut chart have been used to show the successful animation movies in terms of quality. So, Movies have been differentiated based on the Genre. So here indicating Animated Films like Coco, Finding Nemo, Inside Out, Toy story and Up. Where these films hold excellence in IMDB rating over last two decades. This Visualization filters the Animated films released over last two decades. Few Different visualization tools have been used to generate the final outcome like slicer for Genre and Year. Basically, donut chart justified the share of animated films in terms of excellence.

2) From the movies of all genre, Which movie has gained critical acclaims Globally?



From the given movie data, the visualization represents the Films that received the accolades all over the world in certain order from high level to low level. Generally, Awards are Prestigious and token of appreciation for any movie. It gives recognition to hard work that put into it. So, it's part of Entertainment industry. I have used Funnel Chart to represent Global awards received by the movies. So, this chart helps us to indicate the film with more global and critical appreciation which answers our question. From the visualization, it's clear that Forrest gump has got more critical acclaims globally. Forrest gump has got global awards of 67. Whereas Interstellar holds next position of 59 awards. This also has a filter based on movie title if to know particular movie and its achievements.

3) From the information provided, which film has raked the most at the box office and Its IMDB Rank in between 1991 and 2004?



From the visual, it's evident that the visualization indicates the Revenue generated by the movies and Rankings of them in certain time period. So, the line chart has been used to indicate based on revenues in certain order of films. Also in between 1991 and 2004, The lord of rings: The Return of the King generated a revenue of more than one billion USD. The movie holds top in highest grossing category and surprisingly the film got great Rankings at IMDB. It holds top 7 position Still at IMDB. It's clearly indicated that film has attracted lot of audiences and made hefty bugs at box office. The Film made with a budget of 94 Million USD and outcome of revenue 1 Billion USD. Slicer have been used for filtration of certain period and table represents Movie Titles and its Rankings polled by IMDB audiences. Line chart clearly indicated the answer to question with clear and unambiguity.

PART 2:

The Tool that I have been used design all the three visualizations is power BI. Working with power BI Desktop is user friendly and it's a popular visualization tools that delivers high flexibility to users. Power BI offers wide range of flexibility to users which included the many custom visualizations that helps user to develop and create meaningful designs for the data.it has great option of excel integration helped me to load data as easy as possible. The visualization derived from this tool are very interactive and attractive. As I said, Power Bi has around 16 different types of charts

But Power Bi has some issues in dealing complex relationships between tables.so it led to creation of data model for it. It has filled with lot of UI icons which might be some kind of ambiguity for Power BI users. Another kind of drawback faced in Power BI tools is Working with DAX. Can't guarantee how it's going to work and its some sort of complex to deal with. Power BI is not just Power BI desktop.it also offers services like gateway and other services which is difficult to master in it. it doesn't much to the question of data quality as it assumes the data is already cleaned up.

Nonetheless, Power Bi is highly appreciated and suitable for its ability to build customizable dashboards and reports. Its highly affordable and Cost effective which plays major role in phase of data modelling. Creating dashboards particularly user friendly in Power Bi like simply dragging charts need for user and similarly for data into fields of chart picked.

Power Query UI is the major part of this tool. It helps to connect various data sources Like Get Data and performing transformations on data which are primary steps to start any dashboard or a report. Dashboard built in Power Bi offers Selecting, Exploring and Filtering data built on visualizations as well as abstraction. The outcome of Power BI visualizations is attractive and effective as well. Power Bi offers some great visualizations like KPI including Python and R visuals for programmers.

Power Bi User Interface segregated into Report View, Data View and Relationship View. Report View includes the Dashboards or reports built on this tool.it can have multiple pages as well. Data view holds data tables that makes a data model and also include data types. Finally, Relationship view shows tables and their relationships sums up a data model (Star schema comes under data modeling) This reflects in visualization/reports at Report View.

WRITE UP:

So, the visualizations I have designed based on my movie data aims to explore different aspects of data most importantly communicate well regarding data. Questions data and provide solutions through my visualizations. I have Explored more of Qualitative data. My visualizations are simple and straight forward and clearly communicates the answer to our question. For Instance, all visualizations used are different and effective representation of available data.

The First Visualization I have designed is to indicate the Movies of Animation Genre along with the Quality Rating over last two decades. I have used Donut Chart here to display animation films along with the IMDB Rating presented on it. Here the Major Visual element is Slicer that is used for Attribute Genre. So, this slicer filters the data that is presented through donut chart along share and ratings represented on it. Another Slicer have been used to represent the time factor for this visualization. Legend have been used to represent Titles for donut chart. Donut Chart sections displays five animation films i.e. Coco, Finding Nemo, inside out, Toy story depicting in different colors of and up Along with their IMDB Ratings. So, Legend to represent the titles of movies and selected text size of 13 pts with Segoe UI font family. Title for donut chart with text size of 17 pts and DIN font family. Different colors have been used to represents different movies which deals effective communication following Graphical integrity and Excellence.

Secondly, the visualization represents movies that gained global awards by order from higher to lower. Funnel Chart have been used to display this visualization. It represents Movie Titles and its awards ranging from high to low. Slicer also have been used to represents Titles. It's helpful to filter the desired data. From the funnel chart, you could observe movies that have been ordered from high to low ranking where Forrest gump is at lead and Up got lowest position in the chart designed. A simple blue shaded color has been used to represents movies and its global awards count following graphical excellence. Data values with text size of 10pts have been used for better and effective communication. A Slicer holds items of movie titles with the size of 11pts used for user friendly. Category field set to ON to display the titles of movies.

Finally, the next Visualization answers the highest grossing movie made and it's Ranking in between 1991 and 2004. Line Chart have been used to represent list of movies 'revenues. Line chart represents simple and effective means of communication. A Table visualization have been used to represent Titles and IMDB Rankings. Slicer have been used for Time factor to filter certain Desired data based on time. So, Line chart clearly depicts Movies and its quantitative run at box office worldwide through different colors as we used Legend to depict them. Line chart depicts the movies collected well at box office from higher to lower through different color points. On y-axis, holds gross collection of each movie where legend holds title of each movie. Where Table holds titles and rankings.