

Entertainer Data Analysis
High Level Design
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ABSTRACT AND SCOPE

- The entertainment industry, which encompasses film, television, radio, print media, and digital media, is a vast sector that provides a wide range of entertainment options to people. The industry is responsible for producing and distributing entertainment content that is enjoyed by millions of people worldwide. Its sub-industries are devoted to providing entertainment services to the masses, and the industry continues to evolve to meet the changing needs of consumers.
- The aim of this project is to analyze and visualize data related to the entertainment industry using Power BI. The project's focus is to provide insights into the current state of the entertainment industry and the most successful performers, among other key factors. The project will involve data collection, preparation, and analysis to create a comprehensive dashboard that displays key insights about the entertainment industry. The dataset will include information about Entertainers, Oscar's won, Grammy's won, Emmy's won, Breakthrough year, other awards, total nomination, gender, profession. The data will be sourced from various publicly available datasets, industry reports, and online sources, and the main dataset will be provided by Ineuron.
- The dashboard will provide a variety of interactive visualizations and charts that display relevant information about the entertainment industry, including information about the Oscar's won, Grammy's won, Emmy's won, the most successful performers, gender, and profession. The overall theme of the dashboard will be to provide insights into the entertainment industry and help users to better understand the trends and patterns in the industry. The dashboard will be designed to be user-friendly and easy to navigate, with interactive features that allow users to explore the data in depth.
- In conclusion, this project aims to provide a comprehensive analysis of the entertainment industry using Power BI. The project's scope includes data collection, preparation, and analysis to create a dashboard that displays key insights into the industry. The project's ultimate goal is to provide users with a tool to better understand the trends and patterns in the entertainment industry, including the most successful performers, awards won, gender, and profession.

PROBLEM STATEMENT & GIVEN TASK

People need to unwind because daily living can be stressful. A great method to pass the time in life is to be amused by others. It can ease tension and make dealing with problems in life simpler. Film, television, radio, and print all fall under the umbrella of the media and entertainment sector. Movies, TV shows, radio shows, news, music, newspapers, magazines, and books are among these categories. The entertainment industry is a collection of related sectors. The term "entertainment industry" refers to the media corporations that oversee the production and distribution of mass media entertainment.

- Task #1 - In a word document write the process and data added to the current dataset. In addition, mention the theme on which you will be creating the dashboard.
- Task #2 - You can add your data as per your convenience.
- Task #3 – Do the data preparation part.
- Task #4 – Build the dashboards.
- Task #5 – Build a Storyline

SCOPE

Based on the number of nominations and wins they have gotten over the course of their careers, I have developed a dashboard that is dedicated to highlighting the award-winning performances of prominent entertainers. The most nominations, as well as accolades like the Grammy, Oscar, and Emmy, are all listed on this dashboard so that viewers can decide for themselves who they think is the best. Even if I only made one dashboard, it is still a useful tool that offers insights into the successes of these entertainers.

GENERAL DESCRIPTION

The purpose of this project is to use Power BI to analyze and visualize data linked to the entertainment sector. The goal of the project is to offer insights on the present state of the entertainment sector, the top performers, and other important aspects. To build a complete dashboard that presents important insights about the entertainment sector, the project will comprise the gathering, compilation, and analysis of data. The collection will contain data on entertainers, awards winners (including Grammys, Emmys, and Oscars), breakthrough years, further awards, total nominations, gender, and profession. The core dataset will be provided by Ineuron, and other publicly available datasets, industry reports, and online sources will also be used to gather the data.

TOOLS USED

1. Data sources: The primary data source is an Excel file. Other data sources may include databases, cloud-based sources, or other types of files.
2. SQL Server: Use SQL Server to extract, transform, and load (ETL) data from various sources. SQL Server provides powerful tools for data transformation, cleansing, and modeling.
3. Power BI Desktop: Use Power BI Desktop to connect to the SQL Server database and import data into Power BI. Power BI Desktop provides a user-friendly interface for building data models, creating relationships between tables, and designing visualizations.

OPTIMIZATION

- I don't need to do much data optimisation because the information I have on each performer—their name, birth year, death year, performance that changed their career, first year they were nominated for a big award, etc.—is already divided into three groups.
- I manually included some more information from IMDB's official website, such as the number of awards the entertainer has received, the number of nominations, the number of Oscars, Emmys, and Grammys, and the award for a performance that changed a career.
- The total prizes are thus already recorded in the statistics. Because there are so many celebrities, I only kept the top ten possibilities, or those who have won the most Grammys, Emmys, and Oscars, for example. I achieved this by using a filter in the relevant data column to make the list look interesting and useful.

KPIS (KEY PERFORMANCE INDICATORS)

- Dashboards will be used to show and highlight specific KPIs and important metrics.
- The dashboards will be included to present charts over time with progress on various indicators or aspects as and when the system starts to record historical/periodic data for a user.
- Key metrics showing the best entertainers:
 - Overall Nominees
 - Total Prizes
 - Number of Oscars
 - The most Emmys
 - Most Grammy Awards
 - Other Honours
 - Award-winning performance that changed your career

DEPLOYEMENT

- To share your Power BI report, you can publish it to the Power BI Service and sign into your Power BI account.
- Once published, you can share the report with specific individuals, groups, or make it available to anyone with the link.
- You can also embed your Power BI report in web pages or applications using an embed code, which can be accessed from anywhere with an internet connection.
- Companies use various business intelligence technologies for better data analysis and visualization, and Tableau is one of them.
- Tableau Public is a free service that allows anyone to create and share interactive visualizations, which can be deployed on its own Tableau server.
- You can also share a sharable link for others to view your work on Tableau Public.