

Entertainer Data Analysis

Low Level Design

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Abstract & 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.

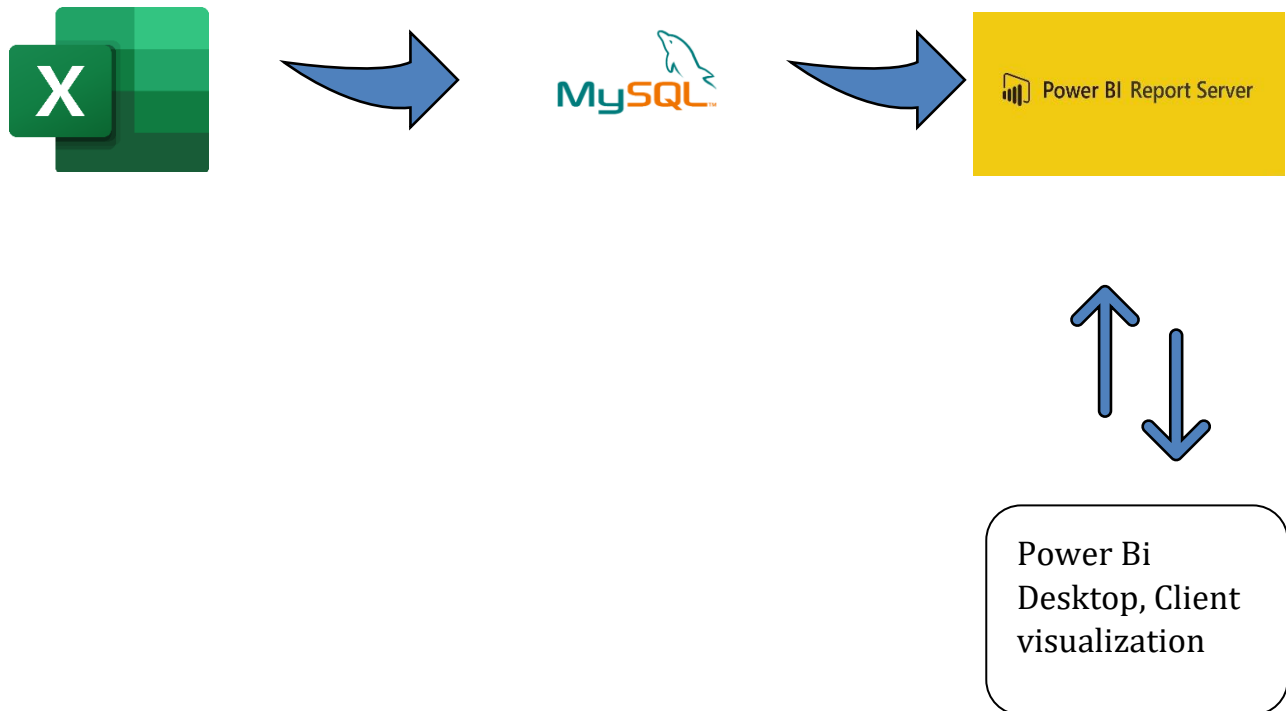
Given Tasks

- **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

ARCHITECTURE

The architecture of entire project is shown below:

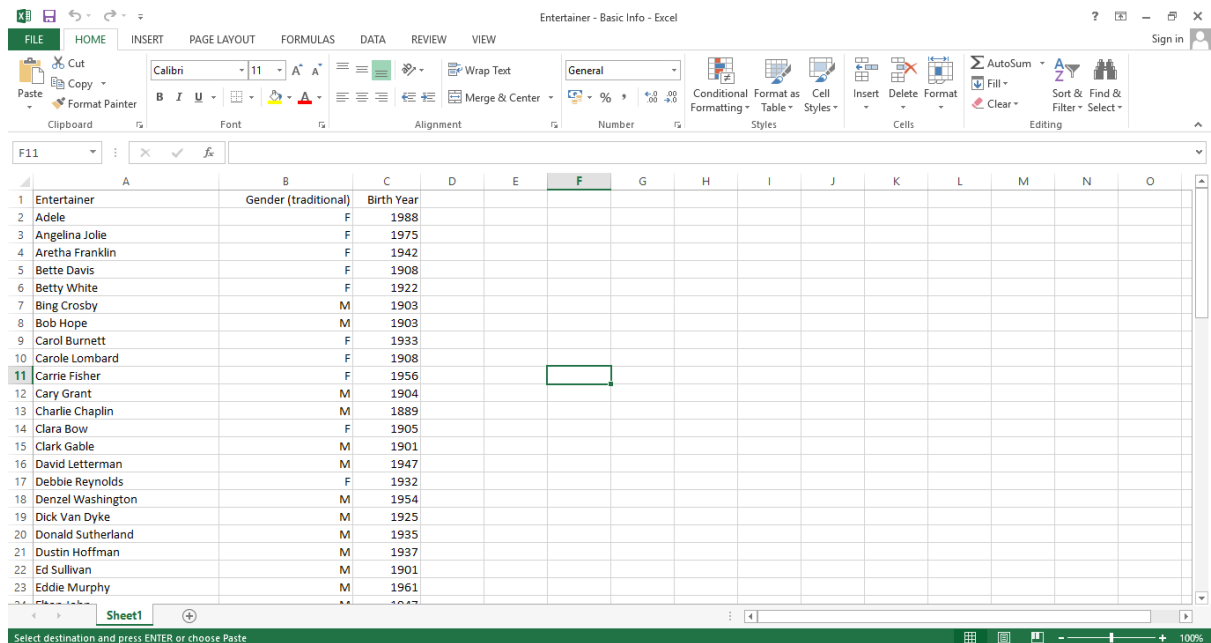
1. Data sources: The primary data source is an Excel file. Other data sources may include databases, cloud-based sources, or other types of files.
2. SQL Server: Use SQL Server to extract, transform, and load (ETL) data from various sources. SQL Server provides powerful tools for data transformation, 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.
4. Power BI Service: Publish your Power BI reports and dashboards to the Power BI Service, a cloud-based service that allows users to view and interact with your reports and dashboards from anywhere.
5. End User: End users can access the reports and dashboards created in Power BI Service through a web browser or mobile app. They can use filters, slicers, and other tools to explore the data and gain insights.



Data Description

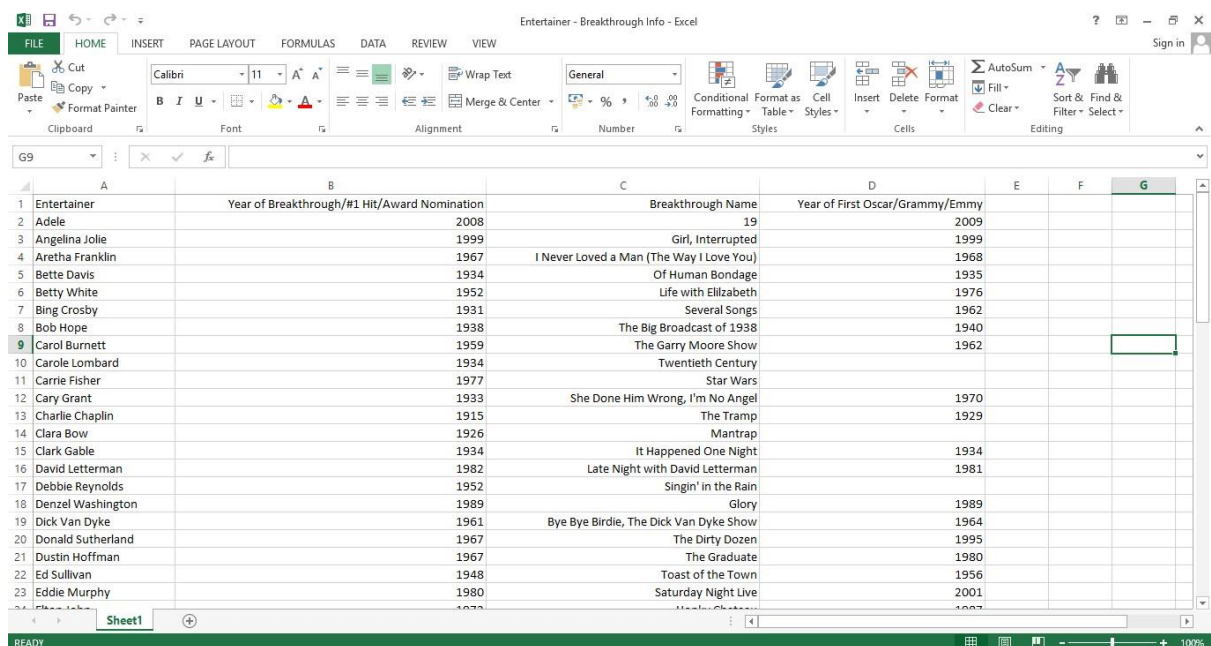
- The information was divided into three categories in an excel file: basic information, breakthrough information, and last work information.
- Basic Information comprises the entertainer's name, gender, and year of birth.
- Breakthrough information comprises the year of the breakthrough, the name of the breakthrough artist, the year of the first Oscar, Grammy, or Emmy, and the name of the entertainer.
- Last job information comprises name of entertainers, year of death (if applicable), and last significant work (debatable).

Overview of the Entertainer - Basic Information



Entertainer	Gender (traditional)	Birth Year
Adele	F	1988
Angelina Jolie	F	1975
Aretha Franklin	F	1942
Bette Davis	F	1908
Betty White	F	1922
Bing Crosby	M	1903
Bob Hope	M	1903
Carol Burnett	F	1933
Carole Lombard	F	1908
Carrie Fisher	F	1956
Cary Grant	M	1904
Charlie Chaplin	M	1889
Clara Bow	F	1905
Clark Gable	M	1901
David Letterman	M	1947
Debbie Reynolds	F	1932
Denzel Washington	M	1954
Dick Van Dyke	M	1925
Donald Sutherland	M	1935
Dustin Hoffman	M	1937
Ed Sullivan	M	1901
Eddie Murphy	M	1961

Overview of Entertainer – Breakthrough Info:



Entertainer	Year of Breakthrough/#1 Hit/Award Nomination	Breakthrough Name	Year of First Oscar/Grammy/Emmy
Adele	2008	19	2009
Angelina Jolie	1999	Girl, Interrupted	1999
Aretha Franklin	1967	I Never Loved a Man (The Way I Love You)	1968
Bette Davis	1934	Of Human Bondage	1935
Betty White	1952	Life with Elizabeth	1976
Bing Crosby	1931	Several Songs	1962
Bob Hope	1938	The Big Broadcast of 1938	1940
Carol Burnett	1959	The Garry Moore Show	1962
Carole Lombard	1934	Twentieth Century	
Carrie Fisher	1977	Star Wars	
Cary Grant	1933	She Done Him Wrong, I'm No Angel	1970
Charlie Chaplin	1915	The Tramp	1929
Clara Bow	1926	Mantrap	
Clark Gable	1934	It Happened One Night	1934
David Letterman	1982	Late Night with David Letterman	1981
Debbie Reynolds	1952	Singin' in the Rain	
Denzel Washington	1989	Glory	1989
Dick Van Dyke	1961	Bye Bye Birdie, The Dick Van Dyke Show	1964
Donald Sutherland	1967	The Dirty Dozen	1995
Dustin Hoffman	1967	The Graduate	1980
Ed Sullivan	1948	Toast of the Town	1956
Eddie Murphy	1980	Saturday Night Live	2001

Overview of Entertainer – Last work Info

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Entertainer	Year of Last Major Work (arguable)	Year of Death											
2	Adele	2016												
3	Angelina Jolie	2016												
4	Aretha Franklin	2014												
5	Bette Davis	1989	1989											
6	Betty White	2016												
7	Bing Crosby	1974	1977											
8	Bob Hope	1972	2003											
9	Carol Burnett	2016												
10	Carole Lombard	1942	1942											
11	Carrie Fisher	2016	2016											
12	Cary Grant	1966	1986											
13	Charlie Chaplin	1967	1977											
14	Clara Bow	1933	1965											
15	Clark Gable	1960	1960											
16	David Letterman	2015												
17	Debbie Reynolds	2006	2016											
18	Denzel Washington	2016												
19	Dick Van Dyke	2015												
20	Donald Sutherland	2016												
21	Dustin Hoffman	2016												
22	Ed Sullivan	1973	1974											
23	Eddie Murphy	2016												

- After that, I merged this data into a single sheet called Entertainer - Final, however there isn't enough information here to perform analysis or create a dashboard.
- I have included some outside data for this, such as accolades they have received, nominees, etc., from the IMDb website.

Data after some processing appears as follows:

	Entertainer	Gender (traditional)	Year of Last Major Work (arguable)	Year of Breakthrough/#1 Hit/Award Nomination	Breakthrough Name	Year of First Oscar/Grammy/Emmy	Year of Death	Birth Year	Award Won from Breakthrough
2	Adele	F	2016	2008	19	2009		1988	Grammy
3	Angelina Jolie	F	2016	1999	Girl, Interrupted	1999		1975	Oscar
4	Aretha Franklin	F	2014	1967	I Never Loved a Man (The Way I Love You)	1968		1942	No Award
5	Bette Davis	F	1989	1934	Of Human Bondage	1935	1989	1908	No Award
6	Betty White	F	2016	1952	Life with Elizabeth	1976		1922	Emmy
7	Bing Crosby	M	1974	1931	Several Songs	1962	1977	1903	Grammy
8	Bob Hope	M	1972	1938	The Big Broadcast of 1938	1940	2003	1903	No Award
9	Carol Burnett	F	2016	1959	The Garry Moore Show	1962		1933	Emmy
10	Carole Lombard	F	1942	1934	Twentieth Century		1942	1908	No Award
11	Carrie Fisher	F	2016	1977	Star Wars		2016	1956	Other
12	Cary Grant	M	1966	1933	She Done Him Wrong, I'm No Angel	1970	1986	1904	No Award
13	Charlie Chaplin	M	1967	1915	The Tramp	1929	1977	1889	No Award
14	Clara Bow	F	1933	1926	Mantrap		1965	1905	No Award
15	Clark Gable	M	1960	1934	It Happened One Night	1934	1960	1901	Oscar
16	David Letterman	M	2015	1982	Late Night with David Letterman	1981		1947	Emmy
17	Debbie Reynolds	F	2006	1952	Singin' in the Rain		2016	1932	Other
18	Denzel Washington	M	2016	1989	Glory	1989		1954	Oscar
19	Dick Van Dyke	M	2015	1961	Bye Bye Birdie, The Dick Van Dyke Show	1964		1925	Emmy
20	Donald Sutherland	M	2016	1967	The Dirty Dozen	1995		1935	No Award
21	Dustin Hoffman	M	2016	1967	The Graduate	1980		1937	Other
22	Ed Sullivan	M	1973	1948	Toast of the Town	1956	1974	1901	Other
23	Eddie Murphy	M	2016	1980	Saturday Night Live	2001		1961	Emmy
24	Elton John	M	2016	1972	Honky Chateau	1987		1947	No Award
25	Elvis Presley	M	1977	1956	Heartbreak Hotel	1959	1977	1935	No Award
26	Frank Sinatra	M	1980	1940	I'll Never Smile Again	1946	1998	1915	No Award
27	Gene Hackman	M	2004	1967	Bonnie and Clyde	1971		1930	Other
28	George Michael	M	2004	1984	Wake Me Up Before You Go-Go	1988		2016	No Award
29	Gregory Peck	M	1991	1944	The Keys of the Kingdom	1962	2003	1916	No Award
30	Greta Garbo	F	1941	1930	Anna Christie	1954	1990	1905	Other
31	Humphrey Bogart	M	1956	1936	The Petrified Forest	1951	1957	1899	No Award
32	James Dean	M	1955	1953	East of Eden	1955	1955	1931	Other
33	Jay Leno	M	2014	1992	The Tonight Show	1995		1950	Emmy

- **Entertainer:** Name of the entertainer.
- **Gender (traditional):** Gender of that entertainer
- **Birth Year:** Birth year of that entertainer
- **Year of Breakthrough/#1 hit/Award Nomination:** Here, breakthrough means super hit or career changing performance. Column shows year of breakthrough.

- **Breakthrough Name:** Name of breakthrough. It can be either musical album or TV show or movie.
- **Year of first Oscar/Grammy/Emmy:** Year of first mega award they won.
- **Year of Last Major Work (arguable):** Last major show or movie or album. You can also say last appearance.
- **Year of Death:** Entertainer's year of death, if they die.
- **Award won from Breakthrough:** Any award/s from breakthrough. I only wrote mega awards they won in this column. If they had other awards for breakthrough, I wrote "other", if they haven't, I wrote "No Award". If they have mega award, I wrote that award name.
- **Total Awards Won:** Total awards that entertainer won throughout.
- **Total Nominees:** Total nominees for they have chosen for award.
- **Profession:** Category of entertainer, either singer or actor. Pop stars and dancers are included in singer and TV hosts and TV actors are included in actors.
- **Oscar won:** Number of total Oscar awards they won.
- **Grammy won:** Number of total Grammy awards they won.
- **Emmy won:** Number of total Emmy awards they won.
- **Other Awards:** Number of other awards they won apart from Oscar, Grammy and Emmy.

CONNECT DATA WITH TABLEAU & DEPLOYMENT

- 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 embedded 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.