Title: Entertainment Industry Data Management System

Source_file: Enterntainment.xlsx

Column Name	Explanation	Example
Entertainer	Full name of the entertainer.	Adele, Elvis Presley
Gender	Biological sex of the entertainer (M = Male, F = Female).	F for Adele, M for Elvis Presley
Birth_Year	Year the entertainer was born.	1988 for Adele
Entertain_Year	Year the entertainer began their professional career.	2008 for Adele
Age_Entertain	Age at which they started their career. Calculated as Entertain_Year - Birth_Year.	20 for Adele
Entertain_Name	Name of the debut/first breakthrough work.	The begin (Adele), Heartbreak Hotel (Elvis)
First_Award_Year	Year they won their first award (if any). Can be empty.	2009 for Adele, *empty* for some
Received_Award	Whether the entertainer received any awards. Boolean: TRUE or FALSE.	TRUE for Adele, FALSE for Carrie Fisher
Last_Work_Year	The year they last performed, acted, or produced a work.	2016 for Adele
Active_Years	Number of years they were active in the industry.	8 for Adele
Is_Active	Whether the entertainer is still active in the industry. TRUE or FALSE.	TRUE for Adele
Career_End_Age	Age when they ended their career.	99 for Adele
Career_Status	Whether they are Still Active or Retired.	Still Active for Adele
Awarded_Early	Whether the entertainer received their award in the first 3 years of starting. Yes or No.	Yes for Adele
City	Primary city of origin or professional base.	New York, London, Mumbai
Total_Awards	Total number of awards received during their career.	10 for Adele
Salary_Per_Show	Average earning per show (in Lakhs).	397 Lakhs per show for Adele
Total_Shows	Total number of shows, performances, or projects.	10 for Adele
Total_Career_Earnings_Lakhs	Overall career earnings in Lakhs (Salary × Total_Shows).	3970 Lakhs for Adele = 397 × 10

Scenario-Based Problem Statements:

1. Top Performers by Career Earnings

Problem:
Identify the top 10 entertainers based on Total_Career_Earnings_Lakhs.
Objective: Compare their career spans, awards, and shows performed.

2. Age vs Earnings Relationship

Problem:
Analyze whether entertainers who started younger (Age_Entertain) earned more in their careers.
Objective: Investigate correlations between early starts and financial success.

3. Gender-wise Career Analysis

Problem:
Compare male vs female entertainers across metrics like Active_Years, Total_Awards, and Total_Career_Earnings_Lakhs.
Objective: Understand any disparities or trends by gender.

4. Impact of Early Awards on Career

Problem:
Determine if receiving an award early (Awarded_Early) is associated with longer careers or higher earnings.
Objective: Evaluate whether early recognition drives long-term success.

5. City-wise Talent Hub

Problem:
Which cities have produced the most award-winning and high-earning entertainers?
Objective: Rank cities by total awards, earnings, and number of entertainers.

6. Award Winners vs Non-Winners

Problem:
Compare the performance (shows, earnings, active years) of entertainers who received awards (Received_Award) with those who didn't.
Objective: Find out if awards impact overall success.

7. Career End Age Trends

Problem:
What is the average Career_End_Age across entertainers? Is it influenced by gender, awards, or city?
Objective: Analyze retirement patterns and life-cycle trends.

8. Salary Efficiency

Problem:
Identify entertainers with the highest Salary_Per_Show and compare it against total shows and awards won.
Objective: Measure income efficiency vs volume.

9. Career Longevity Leaders

Problem:
Find the entertainers with the longest Active_Years, and evaluate their earnings and show counts.
Objective: Identify traits of long-lasting careers.

10. Earnings by Era (Peak Industry Period)

Problem:
Group entertainers by Entertain_Year decade (e.g., 1950s, 2000s) and analyze earnings and awards.
Objective: Understand how career success has evolved over time.

Tools used:

Power BI , Excel , SQL , Python (Pandas , Matplotlib ,Seaborn)