



INDIAN BOX OFFICE CHALLENGE

Problem Statement: The Indian Box Office dataset comprises detailed information on films for the last **10 years**, including aspects such as film titles, release dates, lead actors/actresses, industries, budgets, collections, verdicts, IMDb ratings, runtimes, OTT platforms, directors, languages, and genres. Participants are tasked with leveraging Power BI to analyse this dataset and derive meaningful insights that can inform decision-making within the film industry.

Dataset provided: Participants will be provided with a rich collection of datasets, each meticulously curated to facilitate a comprehensive analysis of the Indian Box Office landscape over the past decade. The datasets include:

- **Boxoffice_fact.csv:** This file encompasses granular details of box office collections, providing essential quantitative metrics for revenue analysis.
- **Director_dim.csv:** A dimensional dataset offering professional information about film directors, enabling participants to correlate directorial influence with box office success.
- **Genre_dim.csv:** This dataset categorizes movies into various genres, aiding in the examination of genre-specific trends and audience preferences.
- **Language_dim.csv:** Language-specific data allowing for nuanced insights into the performance of films across different linguistic demographics.

Submission Guidelines: To successfully submit your entry, please follow these steps:

- **Follow Us on LinkedIn:** Ensure you are following [KSR Datavison](#) on LinkedIn to stay updated with the latest announcements and resources.
- **Share Your Work:** Publish a post on your LinkedIn profile featuring your video presentation or an image of your report. Be sure to tag [@Santosh J](#), [@Mahesh Desireddy](#), and [@Kiran Kumar KSR](#) in your post to acknowledge their support and guidance.
- **Community Engagement:** Additionally, post your report in the [KSR Datavison's Data Challenges/Hackathons Community Group](#). This step ensures your work is visible to a broader community of peers and mentors.
- **Email Submission:** Send your **.pbix** file to hackathons@datavison.com. This will enable us to provide you with personalized feedback on your submission.



Key Questions to Guide Your Analysis:

- 1) Identify KPI's such as total films, total budget, etc. ...
- 2) Identify the top 10 films by worldwide collection.
- 3) Analyze the annual release patterns and determine the year with the highest number of releases.
- 4) Compare the first-day collections with overall worldwide collections to identify films with disproportionate first-day success.
- 5) Evaluate genre performance based on average IMDb ratings.
- 6) Investigate the relationship between film budgets and their worldwide collections.
- 7) Determine the directors with the most box office hits based on the 'Verdict' column.
- 8) Examine language trends and identify the most successful languages in the past decade.
- 9) Analyze the success and popularity of films released on various OTT platforms.
- 10) Assess the impact of lead actors/actresses on the success of films by examining average IMDb ratings.
- 11) Compare the performance of different film industries and identify the industry that has produced the highest-grossing films.
- 12) Are there particular months or seasons where films tend to perform better at the box office?
- 13) Which lead actors/actresses have consistently high-performing films?
- 14) Does the runtime of a film correlate with its box office success or IMDb rating?
- 15) Which films have the highest overseas collection, and what factors contribute to their international success?
- 16) Identify films that achieved high returns with relatively low budgets.
- 17) Examine the relationship between IMDb ratings and overall box office performance. Do higher-rated films always perform better commercially?
- 18) Compare the performance metrics of films across different industries?

Participants should use Power BI to create visually compelling reports that tell a comprehensive story about the Indian Box Office over the past decade. The goal is to provide actionable insights and recommendations based on the analyzed data.