## Introduction:

## This data analysis explored a comprehensive movie dataset containing information on various films (*This is not real data*) from Hollywood and Bollywood. The dataset includes details such as:

**movie\_id, movies name, industry, release year, imdb\_rating, studios, language\_id, budget, revenue, unit, currency etc.**

## The primary objective of this analysis was to gain insights from the movie industry and uncover P & L that can help us understand the Final report.

* We were asked to find the Budget, Revenue, and Profit of the whole data in USD.
* Highest Rated, Highest Earned movies name.
* And especially Marvel Studios Revenue, Budget, Profit, and Market Share.

## Steps I followed while working with this dataset.

Checked Every sheet properly

* Clear null values.
* Clear duplicate data.
* Trim extra spaces.
* Separated movies\_Id and title.
* Combined the financial table into the processed table with their respective movie id.

Used Xlookup to combine tables. :

*XLOOKUP(lookup\_value, lookup\_array, return\_array, [if\_not\_found], [match\_mode], [search\_mode])*

* Finally Calculated.
* **Budget(M)** =IF([@unit]="Billions",[@budget]\*1000,[@budget])
* **Revenue(M)** =IF([@unit]="Billions", [@revenue]\*1000,[@revenue])
* **Budget(INR)** =IF([@currency]="USD", [@[budget(M)]]\*80,[@[budget(M)]])
* **Revenue(INR)** =IF([@currency]="USD",[@[revenue(M)]]\*80,[@[revenue(M)]])

## What I came to know while working with this dataset.

* I understand how this movie industry works, and how to clear null values, duplicate values, and unnecessary data.
* I also understand how exactly functions work in Excel. Xlookup, sum, percentage, etc.
* How exactly calculations are done, like Profit, Market Share, and Profit percentage?
* How different columns are joined together using a unique ID?
* How charts are used: Bar charts, Pie charts
* how to work on the pivot table.
* How to combine different tables based on Unique ID using Xlookup functions.

# Here is the Conclusion of the movie dataset.

* The total Revenue, Budget, and Profit of Both Industries are (Millions of Dollars).

|  |  |
| --- | --- |
| Total Revenue | $ 19,589.26 |
| Total Budget | $ 3,302.46 |
| Total Profit | $ 16,286.81 |
| Bollywood Revenue | $ 1,011.36 |
| Hollywood Revenue | $ 18,577.90 |

* **The Shawshank Redemption** got the highest IMDb **rating: 9.3**
* **K.G.F: Chapter 2** Highest Earning movies: **12500 dollars.**
* The total movie is 39.

Bollywood - 18

Hollywood - 21

* Also, calculated Marvel Studios Everything in USD.

|  |  |  |
| --- | --- | --- |
| Revenue |  | $ 9,054.60 |
| Budget | $ 1,988.70 | |
| Profit/Loss | $ 7,065.90 | |
| Profit / Loss % | 355.3% | |
| Market Share % (Hollywood) | 48.7% | |