**Industry:** Entertainment

**Project Title:** Movie’s revenue vs TMDB rating

**Objective:** To assess the following:

* if a movie’s rating is dependent on the revenue it earns.
* if a movie’s release date contributes towards its revenue.

**Why did we choose this topic:** To be able to assess if a movie’s earnings are dependent on its release date and popularity.

**Dataset Source:** https://www.kaggle.com/datasets/rounakbanik/the-movies-dataset/

**Research Questions :**

* Is movie’s revenue dependent on the ratings it earns?
* Is the count of votes a key factor towards a movie’s ratings?
* Are there some genres that earn higher despite receiving lesser votes or ratings?
* Is there a correlation between a movie’s ratings and revenue and count of votes and revenue?

**Steps to obtaining answers to research questions:**

* Identify data source and collect data – Mohaib and Neetu
* Prepare the data – Mohaib and Neetu
* Explore data – Mohaib and Neetu
* Clean data and format dataset using Pandas – Mohaib and Neetu
* Perform data analysis in the Jupyter notebook – Neetu
* Use Python Flask-powered API, HTML/CSS, JavaScript to create data visualization – Mohaib and Neetu
* A dashboard page with multiple charts that update from the same data – Mohaib and Neetu