**IMDb Movies Dataset Tasks**

**Data Description**

**Color:** The color in which the movie is available (Color or Black and white).

**Director\_name:** The name of the director who directed the movie

**duration:** Total duration of the movie.

**director\_facebook\_likes:** Facebook likes received by directors

**actor\_3\_facebook\_likes:** Facebook likes received by actor\_3

**actor\_2\_name:** Name of the second actor.

**actor\_1\_facebook\_likes:** Facebook likes received by actor 1

**gross:** The gross budget of the movie.

**genres:** The genre of the movie

**actor\_1\_name:** name of actor 1

**movie\_title:** title of the movie

**num\_voted\_users:** Number of users voted for that particular movie.

**cast\_total\_facebook\_likes:** Total facebook likes received by the entire movies cast

**actor\_3\_name:** Name of the 3rd actor.

**plot\_keywords:** words or phrases that describe motifs, themes, character types, or plot details.

**movie\_imdb\_link:** url link of the movie

**language:**  The language in which the movie was directed

**country:** The country in which the movie was released

**content\_rating:** Evaluates the content and reports the suitability of the movie for teenagers, children and adults.

**budget:** The cost of making the movie

**title\_year:** Movies with year in title.

**actor\_2\_facebook\_likes:** Facebook likes for actor 2.

**imdb\_score:** The imdb score of the movie

**aspect\_ratio:** the ratio of the width to the height of an image or screen

**movie\_facebook\_likes:** Facebook like received for the movie

**Create a Story Card/Dashboard for the movie\_metadata Dataset. The following findings must be addressed in the dashboards.**

1. Is there any relationship between FB likes and IMDb rating? Write the equation for a linear trend line and also specify the corresponding R – squared value and p – value.
2. How does Facebook likes impacting the revenue of the movie? Extract 3 clusters from the visual and analyse which cluster out of 3 have the high imdb score.
3. How is the sci-fi genre budget changing with time?
4. Which country has the highest imdb ratings across all the genres?
5. Calculate how many number of times content rating “R” is repeated by plotting a word cloud of content rating with imdb score.