**EDA & Visualization - Practice Session Exercises**

**Movie Lens Dataset**

Read.csv Files from attached dataset: ml-100k (u.user , u.data, u.item)

Download additional data from the below link:

<https://grouplens.org/datasets/movielens/20m/>

1. Calculate Number of Times the movie Title has been rated Get AVERAGE ratings for each movie ttitle
2. Create a Scatter Plot for Total\_Rating as Cause and avg\_rating as effect find the pattern between year of movie release and avg rating.
3. How many movies were produced per year?
4. What were the most popular movie genres year by year?
5. What were the best movies of every decade (based on users’ ratings)?
6. What were the best years for a genre (based on users’ ratings)?
7. Investigate the trends in movies with respect to rating and other factors within the dataset?
   1. ratings v/s gender
   2. ratings v/s genre
   3. ratings v/s genre and gender
8. Investigate the movies with respect to users in the dataset user v/s genres