Project: Visualizing Movie Data

Step 1: Data Cleanup and Attribute Selection

- Clean up any missing information and choose the most important attributes you will explore further in your visualizations.

   Ans. After the clean up these given below attributes are useful:
- Geners
- Production Company
- Release Year
- Bugdet Adj.
- Revenue Adj.
- Overview
- Popularity
- Original Title
- Keyword
- Release Date
- Budget
- Revenue

- List out the attributes (or variables) you plan to dive further with your visualizations. You should explore no more than 8 attributes.

- **Ans.** Attributes those we will use in this project for further visualizations are Geners, Production Company, Release Year, Bugdet Adj., Revenue Adj., Keywords, Popularity and Original Title. Remove row of 0 bugdet and revenue. This exclusion will help us to investigate the bugdet and revenue attributes.

Step 2: Tableau Visualizations

- Please make sure you follow the rubric and include Tableau Dashboards, Stories, and the appropriate visualizations (small multiples, scatter plot, bar chart, etc..) your reviewer expects your visualizations to contain. Remember: You need one Dashboard for every question (Q1-Q4) and in addition, you also need one Story, pertaining to a question of your choosing.

- Attach your visualizations as Tableau Workbooks in a zip file along with this report.

Ans.
Link For Online Project Workbook On Tableau
https://public.tableau.com/profile/abha1407#!/vizhome/p51/Story1?publish=yes
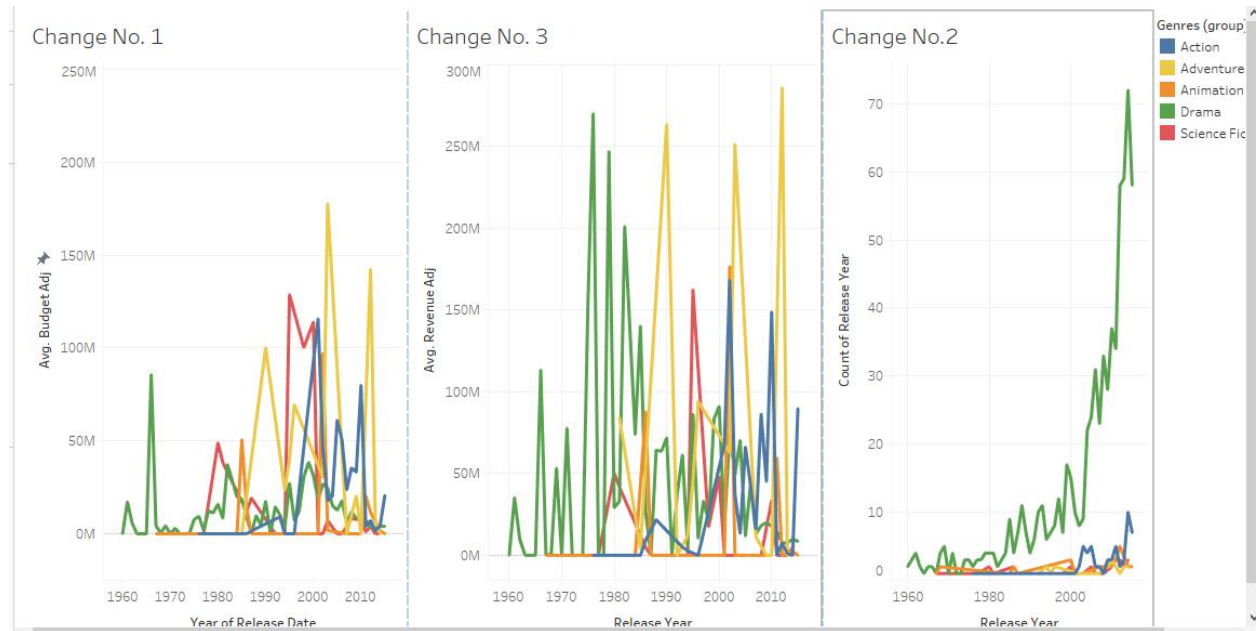
Step 3: Questions

- Answer the following questions. Refer to your online visualizations to back up your answers:
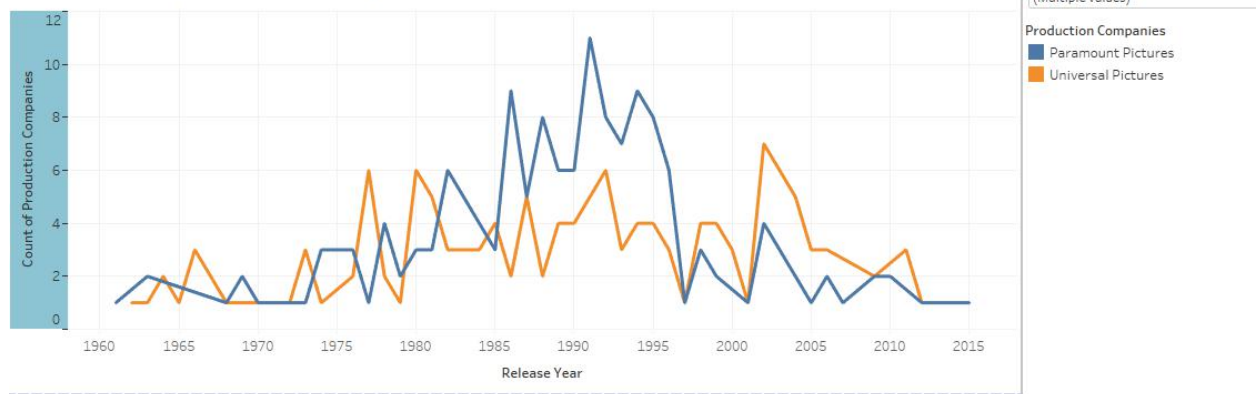 - **Question 1:** How have movie genres changed over time?
    Ans. In these three graphs you can check how Movie Genres Changed over time. In First Plot (Change No.1) Movie Genres Changed on Avg. Budget Adj. and on Release date. Then in second Plot(Change No. 2) you can see how Movie Genres changed with Count of Release Year and Release Year. And at last but not the least Plot (Change No. 3) Movie Genres Changes with Avg. Revenue Adj. and Release Year of the Movie.

  - **Question 2:** How do the attributes differ between Universal Pictures and Paramount Pictures?
    Ans. In this you can see how Universal Pictures and Paramount Picture attributes changes with Count of Production Companies and Release Year. And you can see Popular Movies with their original Titles how movie's popularity changes with their Overall Avg. Popularity.

Release Count By Production Companies

Production Companies
(Multiple values)

Production Companies
- Paramount Pictures
- Universal Pictures

Popular Movies With Their Original Titles

Original Title
- Mean Girls
- The Naked Gun 33⅓: The F...
- American Reunion
- The Naked Gun: From the ...
- Star Trek: The Motion Pict...
- The Godfather: Part III
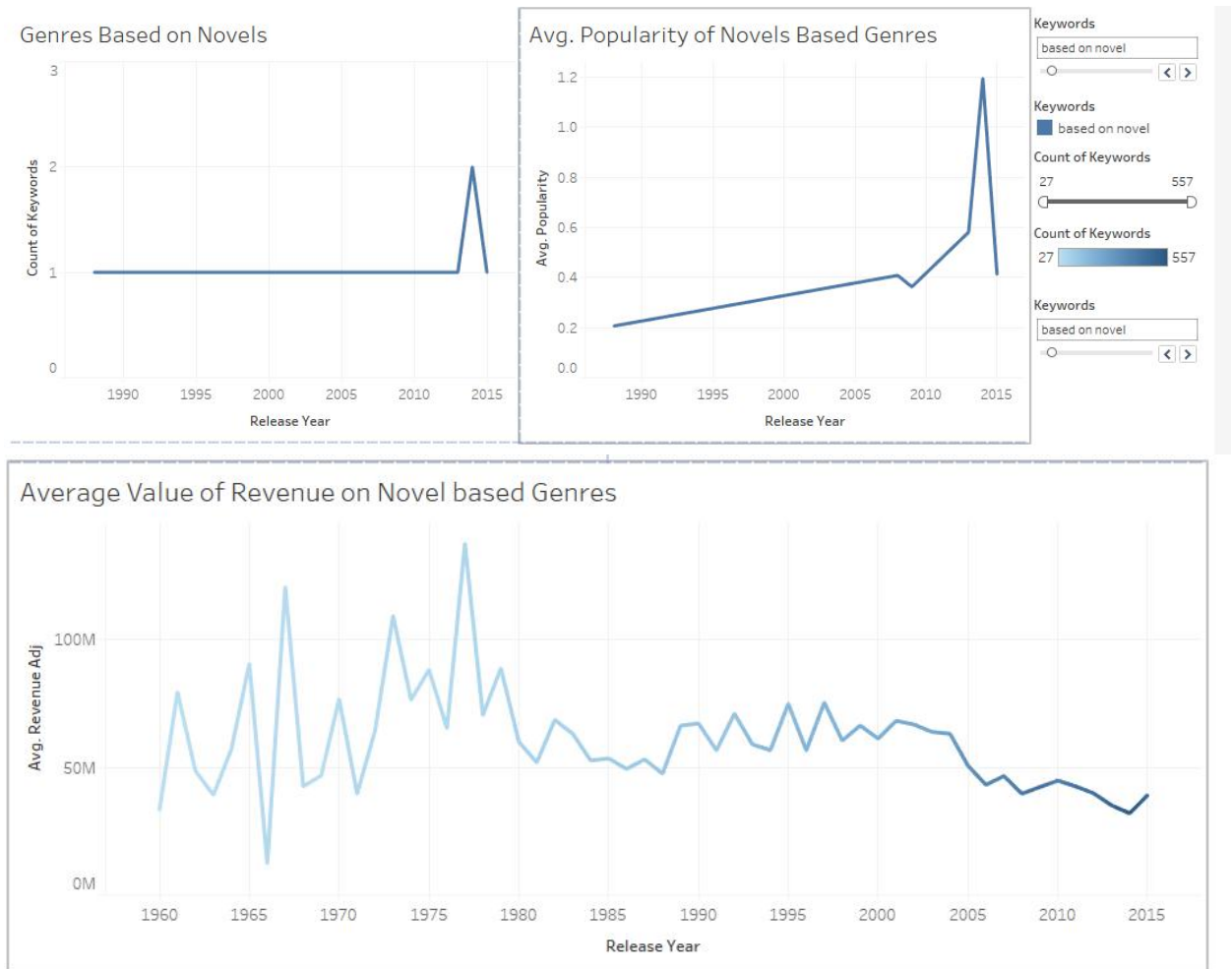
○ **Question 3:** How have movies based on novels performed relative to movies not based on novels?

Ans. Here you can see which movie is based on Novels or which one is not based on novels. You can compare these Novel based genres on the basis of Keywords with Release Year, Avg. Popularity with Release Year, and Avg. Revenue Adj. with Release year.

Genres Based on Novels

Avg. Popularity of Novels Based Genres

Average Value of Revenue on Novel based Genres

- ● What is the Difference Between Budget and Original Title? (Additional Question Proposed by me)

Ans. This is my personal question that aries in my mind what is the main difference between Budget and Original Title of the Movie Genres in the Movie Database. I come up with question from the given database table.

Difference B/W Budget and Original Title

Original Title	Genres (group)	
2:37	Drama	
3 Nights in the Desert	Drama	
3 Women	Drama	
5 Flights Up	Drama	
8 Mile	Drama	
23 Blast	Drama	
42	Drama	
44 Minutes: The North Ho..	Action	
45 Years	Drama	
90 Minutes in Heaven	Drama	
99 Homes	Drama	
600 kilos d'or pur	Adventure	
A Better Life	Drama	
A Civil Action	Drama	
A Girl Like Her	Drama	
A Good Man	Action	
A Late Quartet	Drama	
A Love Song for Bobby Long	Drama	
A Night in Old Mexico	Drama	
A Perfect Ending	Drama	
A River Runs Through It	Drama	
A Teacher	Drama	
A Woman Under the Influ..	Drama	
About Alex	Drama	
About Cherry	Drama	
Absolute Deception	Action	

Genres (group)

Action

Genres (group)

- 🟩 Drama
- 🟦 Action
- 🟨 Adventure
- 🟥 Science Fiction