Project: Visualizing Movie Data

Complete each section. When you are ready, save your file as a PDF document and submit it [here](#).

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.

- List out the attributes (or variables) you plan to dive further with your visualizations. You should explore no more than 8 attributes.
  1. Popularity
  2. Budget
  3. Revenue
  4. Genres
  5. Production

- Please refer back to the [Data Cleanup course](#) to help you clean up your data.

Link to Tableau Public

https://public.tableau.com/profile/kanchanprasad#!/

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.

IMPORTANT: Please upload the workbooks to **Tableau Public** to allow reviewers to access your workbooks. Note that simply saving your file as a ".twbx" is not enough to allow all reviewers to access. [Instructions on how to do this](#).

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?
    By looking at the dashboard (Q1), we can see that over a period of time the genres have increased. Considering the two genres out of various genres (action, adventure) we can see that over a period of time there has been an increase in popularity, budget and revenue.

    - **Question 2:** How do the attributes differ between Universal Pictures and Paramount Pictures?

    The attributes taken into consideration are (genre, budget, popularity, revenue and runtime). By comparing all the selected attributes for both Universal Pictures and Paramount pictures in dashboard (Q2), we can see that Universal pictures stand out.

    - **Question 3:** How have movies based on novels performed relative to movies not based on novels?
    By looking at the dashboards (Q3) and story, we find out that the popularity, average budget and average revenue generated were higher for movies based on novels over the years.

- What is your additional question that you proposed? What is the answer? How did you come up with this question?

The additional question which I propose how does the Director of a movie influence various factors?

Since a good movie needs a good director, so looking at the various director over the years and comparing its popularity, budget and revenue is an essential factor for understanding the movie business. The Q4 dashboard gives insight about the popularity of various directors over the years, it explains the budget of individual director over various years. We can also understand which directors are part of which category of genres.

References:

I have referred to Udacity discussion forums to understand the some problems related to the submission.