Project: Visualizing Movie Data

Step 1: Data Cleanup and Attribute Selection

I chose the following attributes to dive further with my visualization :-
1. Release_Year
2. Popularity
3. Revenue
4. Genres
5. Budget
6. Keywords
7. Director

Step 2: Tableau Visualizations

Refer to the below mentioned link for visualizations :-

https://public.tableau.com/profile/sanchit.thacker#!/vizhome/Visualisemoviedata/Dashboard2

Step 3: Questions

- **Question 1:** How have movie genres changed over time?
  The genres has changed variably with time.
  I have compared some of the genres on the basis of number of movies directed on them and popularity.
  The number of movies has increased for Comedy genre maximum

  Refer to Dashboard Q1 for visualization.

- **Question 2:** How do the attributes differ between Universal Pictures and Paramount Pictures?
  I have compared the following attributes for both the pictures
  1. Revenue: The revenue of both the pictures has not been much of a difference. But After 2010 the revenue for the Universal pictures has shooted up.
  2. Budget: Budget has been a fluctuating attribute when it comes to comparison.
  3. Popularity: Universal Pictures has more popularity as compared to Paramount pictures over time.
  All over, The Universal Pictures has done better.

  Refer to Dashboard Q2 for visualization.

- **Question 3:** How have movies based on novels performed relative to movies not based on novels?

I have compared the movies based on novel and not based on novel on two measures:-
1. Popularity (Average)
2. Budget (Average)
We find that the popularity for movies based on novels has increased more rapidly than movies not based on novels. The budget of Movies based on novels has always been higher than that for the movies not based on novels.

Refer to Dashboard Q3 for visualization.

- o **Question 4: Comparison between vote average and vote count.**
  I have compared average vote and vote count.
  The average vote count has increased in the recent years.
  The range of vote average has decreased. It is around 6.0 most of the times but earlier it was between the range of 5.5 and 7.0

  Refer to Dashboard Q4 for visualization