PROJECT: VISUALIZE MOVIE DATA

TABLEAU VISUALIZATIONS
PUBLIC PROFILE LINK

https://public.tableau.com/profile/rishab.taneja#!/

Data Cleanup and Attribute Selection

❖ We can explore popularity, keywords, genre, production company, release year, adj budget, adj revenue and gross profit (calculated field) further in the project.

❖ We remove all the **null/zero** values from budget/revenue for the list of movies given. We are left with 4850 rows which is significantly less than the initial number of rows. This exclusion of **null/zero** values will help us in investigation data since our main focus is to study the trend of budget/revenue.

❖ When we sort the movies by popularity, all the movies with poor rank turn out to be the ones with zero budget/revenue. Thus, removing them wont skew our data. Hence, exclusion is justified.

Question 1) How have movie genres changed over time?

Count of Genre VS Release Year
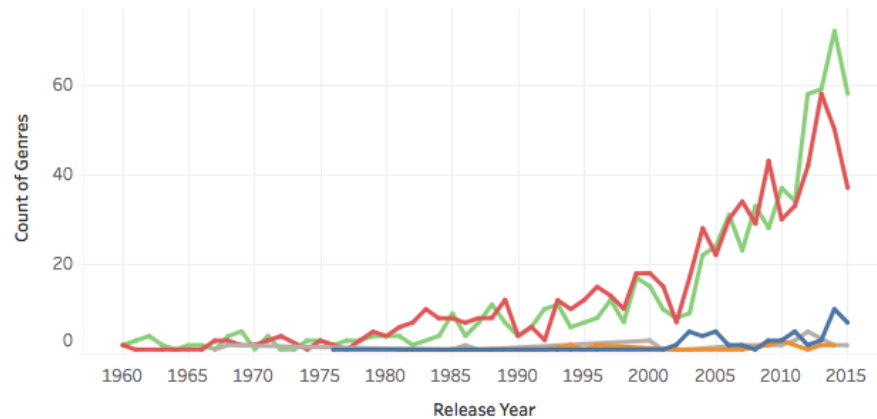
I have specifically focused on 5 Genres (Action, Adventure, Animation, Comedy, Drama).This graph shows the trends of Genres from year 1960 to 2015. We can see most growth in the Drama Genre and the least growth in Adventure Genre.

Gross Profit VS Release Year

Genres
- Action
- Adventure
- Animation
- Comedy
- Drama
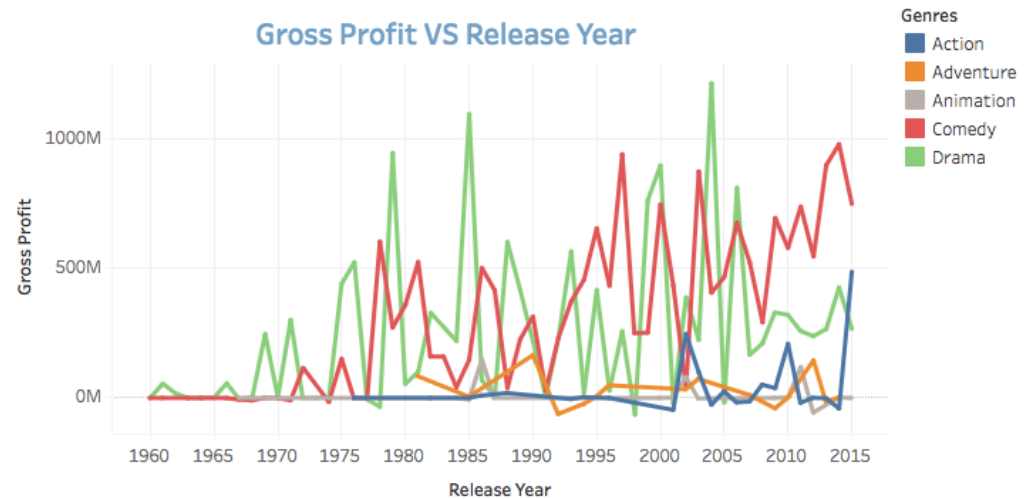
This graph depicts the Gross Profits per year in different genres. We can see the overall profit in the drama genre as compared to the other genres. A few genres such as Animation and Action have gone into loss as well.

Adjusted Revenue VS Release Year
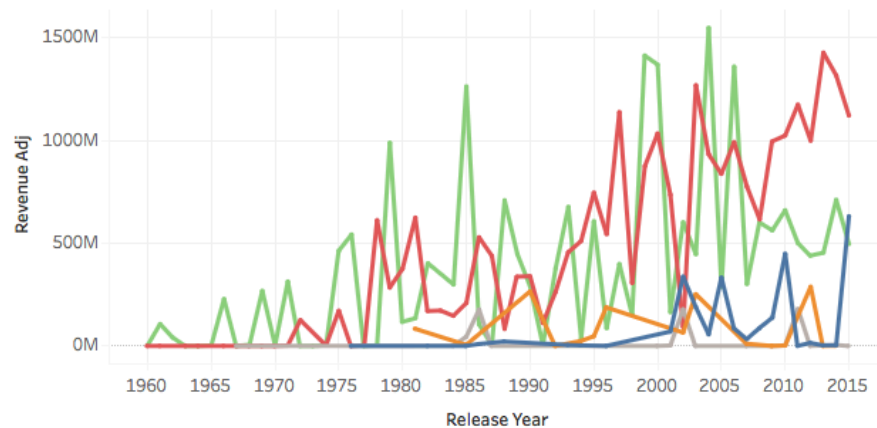
As the producers spend a ton of money on making a movie, we can clearly see the movies generate a lot of revenue over the period of time. The number of movies in the Drama and Comedy genre are higher in number and thus, generate huge amounts of revenue which is clearly evident from the graph.
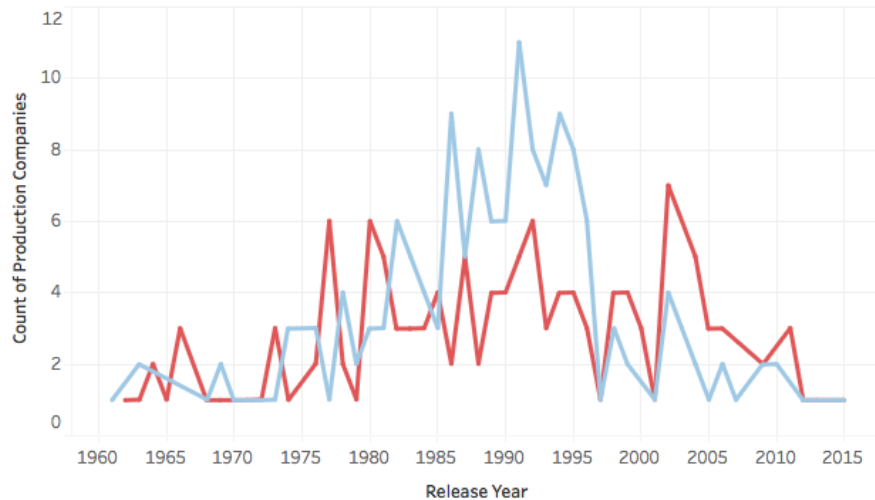
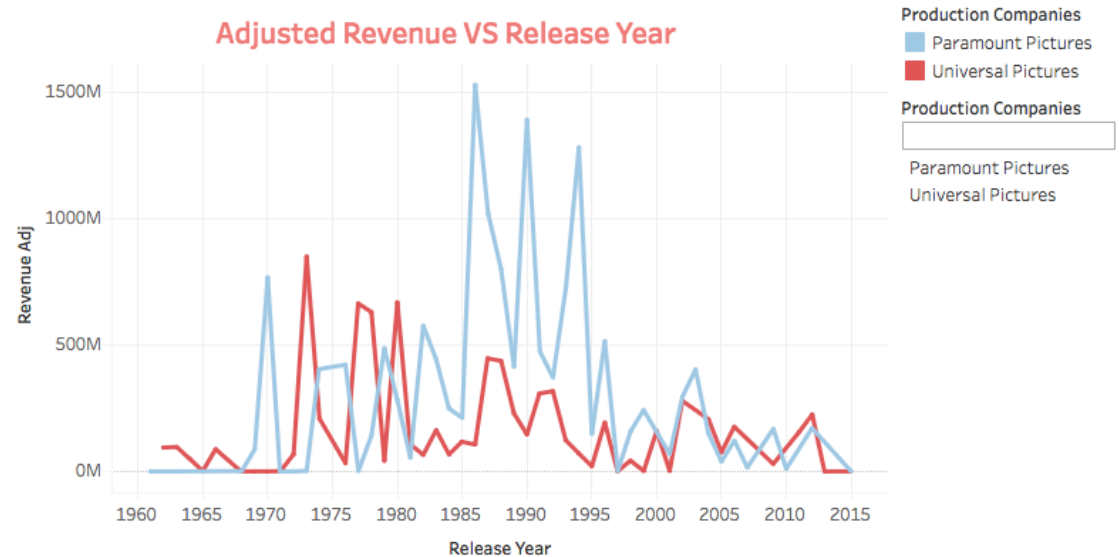## Adjusted Budget VS Release Year
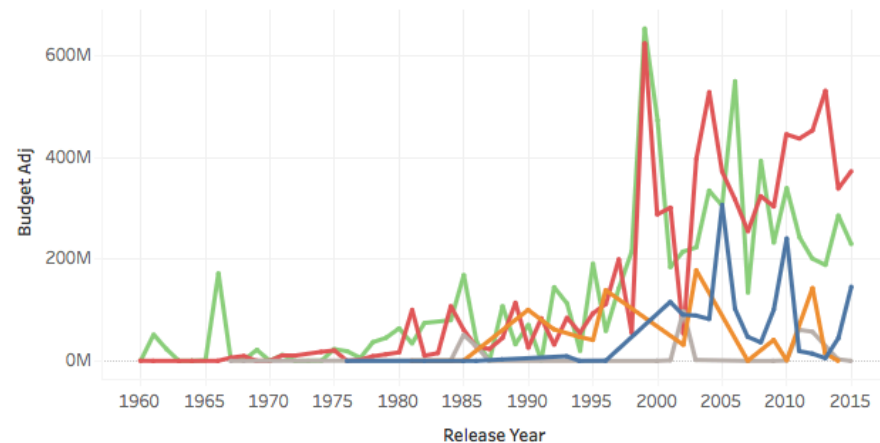
This graph depicts the budget to make the movies. Budget heavily influences the making of a movie. We can clearly see the rise in the budget over the period of time.

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https://public.tableau.com/views/ProjectVisualizeMovieData_0/Question1?:embed=y&:display_count=yes

Question 2) How do the attributes differ between Paramount Pictures and Universal Pictures?

Count of Production Companies VS Release Year

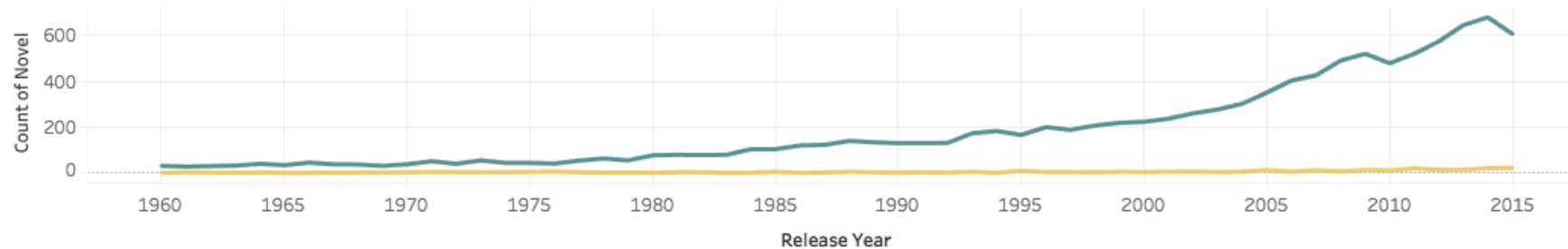
Adjusted Revenue VS Release Year

Production Companies
- Paramount Pictures
- Universal Pictures

Production Companies

Paramount Pictures
Universal Pictures

Popularity VS Movie Title

Original Title

Mean Girls, The Blues Brothers, The Dictator, Child's Play 2, The Fighter, Star Trek: Generations, Sneakers, Planes, Trains and Autom..., Changing Lanes, Ray, Harold and Maude, Sixteen Candles, Still Smokin, Smokey and the Bandit, Van Helsing: The London A..., Grease 2, Harlem Nights, Charley Varrick, Slap Shot, Village of the Damned, The Great Gatsby, Friday the 13th Part III, Urban Cowboy, Do the Right Thing, Colossus: The Forbin Proje..., Cloak & Dagger, His Name Was Jason: 30 Y..., Staten Island Summer, The River Wild, Big Top Pee-wee, Waiting for 'Superman', Play It Again, Sam, The Guardian, Dragon: The Bruce Lee Sto..., Let It Ride, Goin' South

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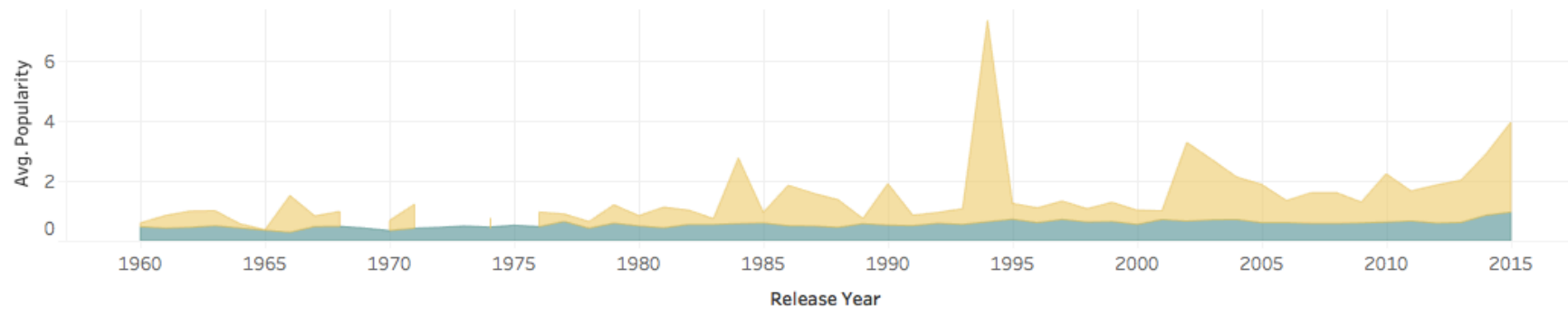https://public.tableau.com/views/ProjectVisualizeMovieData_0/Question2?:embed=y&:display_count=yes

Question 3) How have movies based on novels performed relative to movies not based on novels?
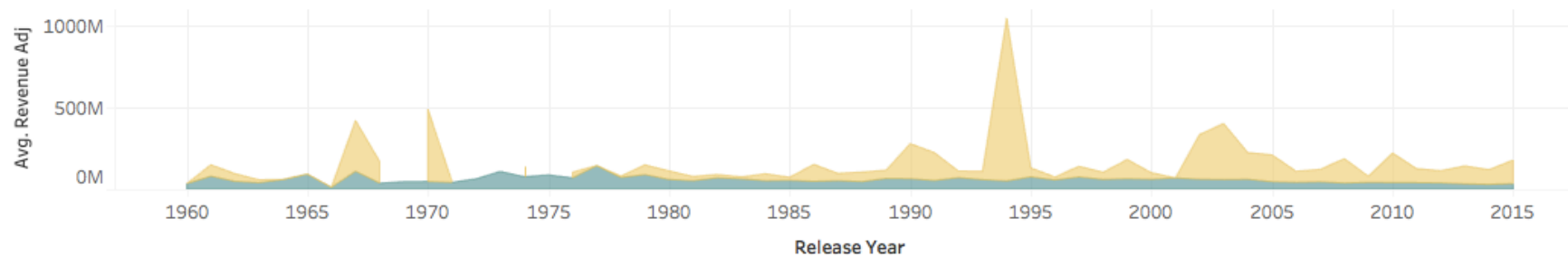
Based on Novel or not (Count VS Release Year)

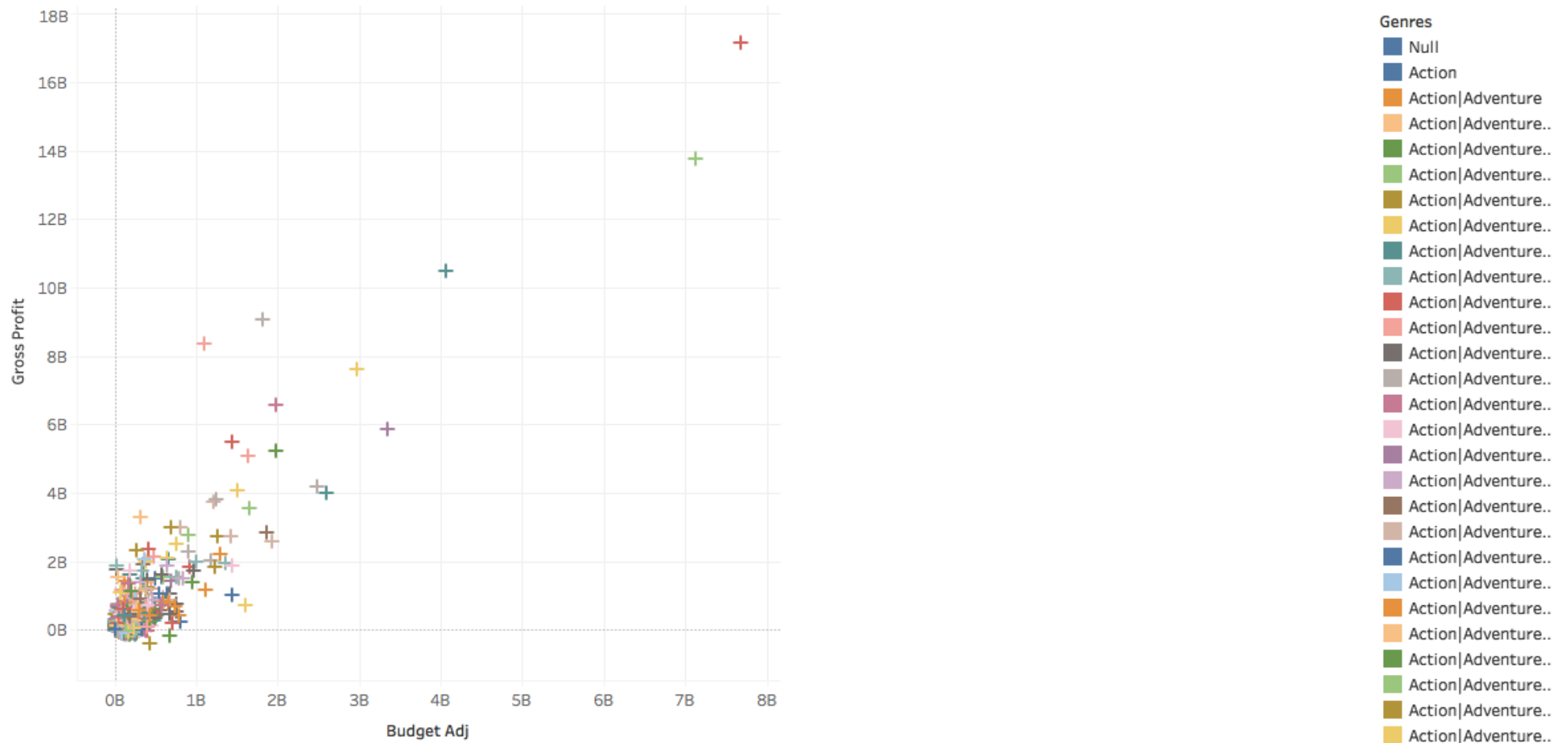## Popularity VS Release Year

Revenue VS Release Year

https://public.tableau.com/views/ProjectVisualizeMovieData_0/Question3?:embed=y&:display_count=yes

Question 4) How are the Profits and Budgets for a movie related?

The graph show the Profits and the Budget for invdividual movie which belong to a specific genre.

This graph shows the budget and profits over the period of 1960 to 2015. We can see that as the Budget for the movie increased over time so has the Profits.

This graph depicts the Profits for each movie. There are some movies which have had tremendous profits whereas, there are movies which have experienced losses as the budget for making the movie was more than the revenue generated.

Genres
- Null
- Action
- Action|Adventure
- Action|Adventure..
- Action|Adventure..
- Action|Adventure..
- Action|Adventure..
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- Action|Adventure..
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https://public.tableau.com/shared/PG9TGHD22?:display_count=yes

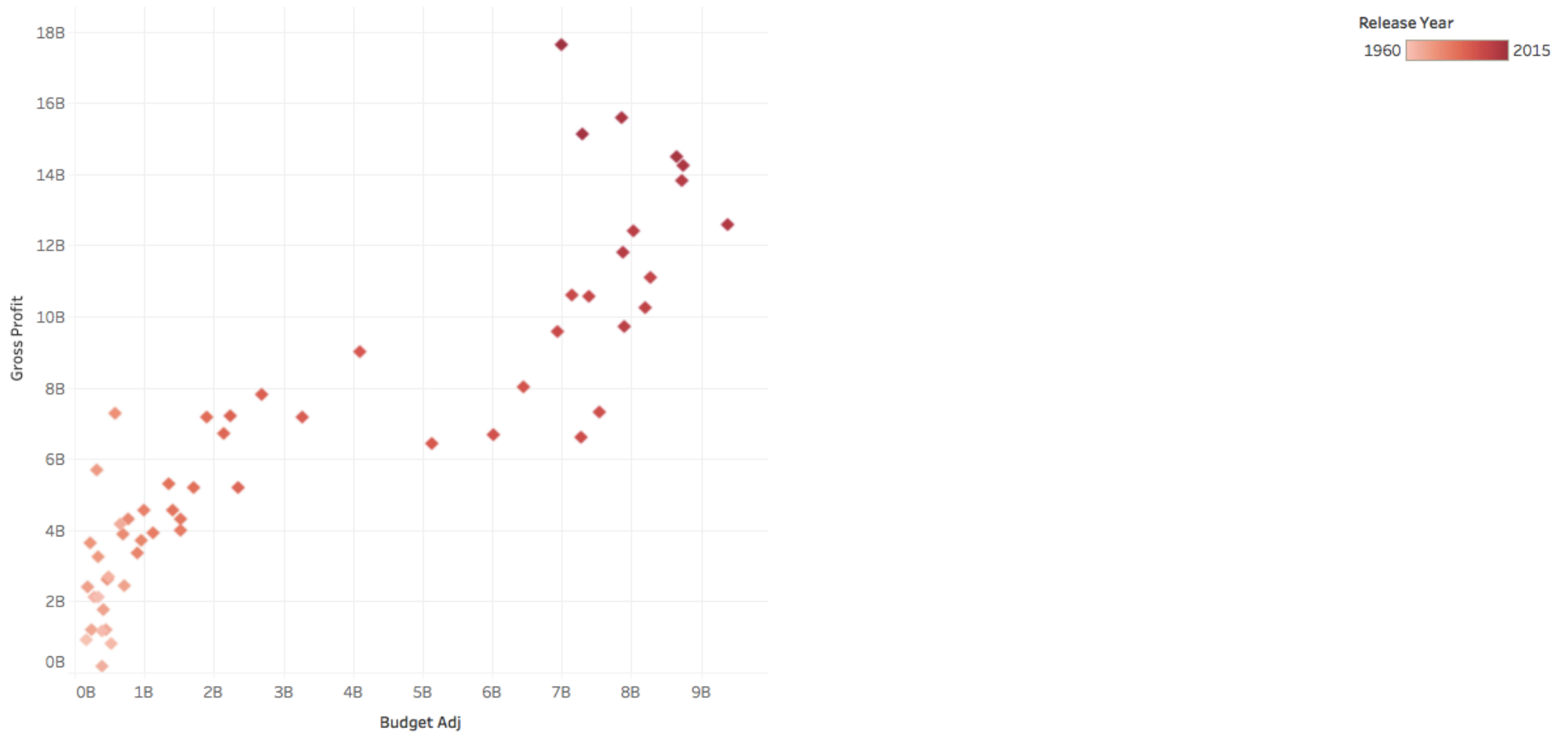# Quesition 4) How are the Profits and Budgets for a movie related?

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Release Year
1960 ▮ 2015

https://public.tableau.com/views/ProjectVisualizeMovieData_0/Question4?:embed=y&:display_count=yes&publish=yes

Quesion 4) How are the Profits and Budgets for a movie related?

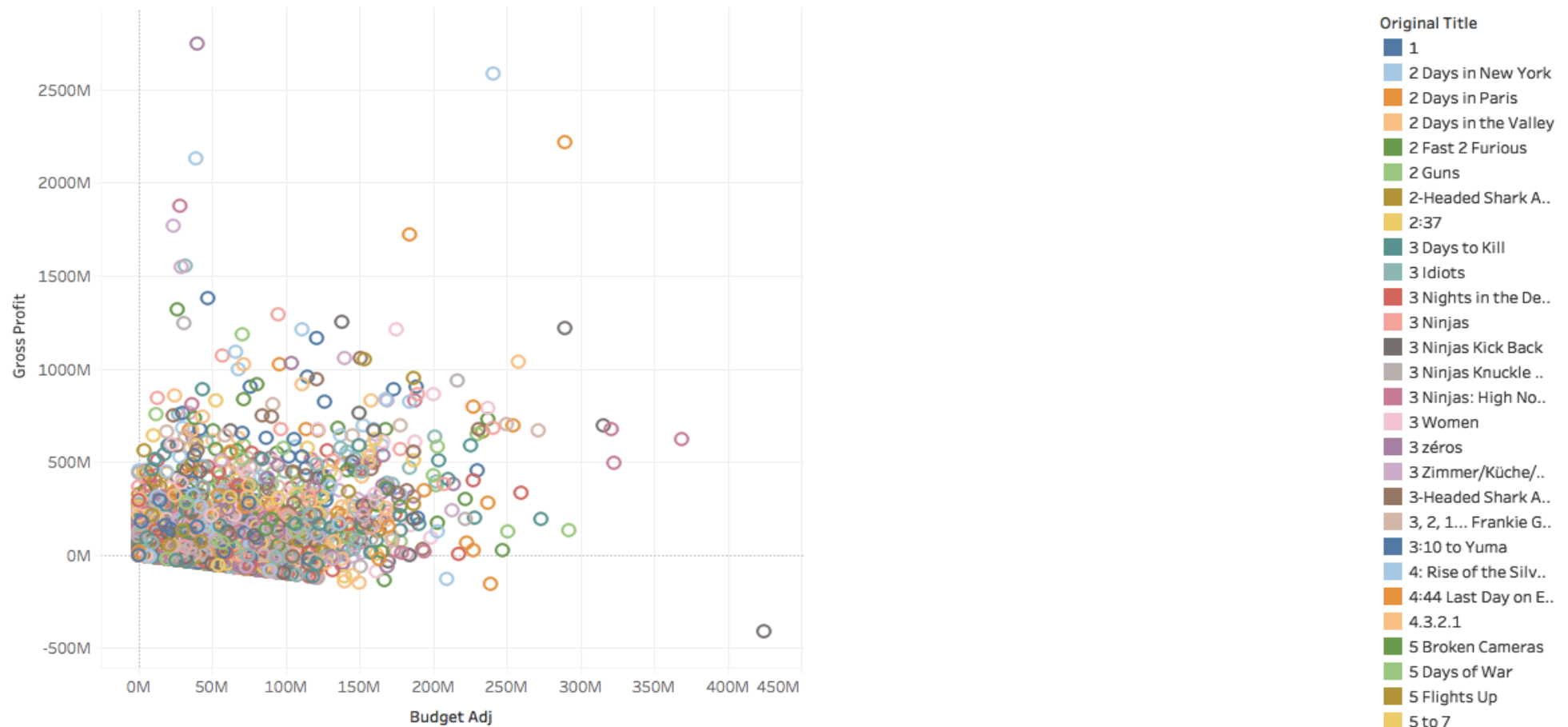| The graph show the Profits and the Budget for invdividual movie which belong to a specific genre.	This graph shows the budget and profits over the period of 1960 to 2015. We can see that as the Budget for the movie increased over time so has the Profits.	This graph depicts the Profits for each movie. There are some movies which have had tremendous profits whereas, there are movies which have experienced losses as the budget for making the movie was more than the revenue generated.

Original Title
- 1
- 2 Days in New York
- 2 Days in Paris
- 2 Days in the Valley
- 2 Fast 2 Furious
- 2 Guns
- 2-Headed Shark A..
- 2:37
- 3 Days to Kill
- 3 Idiots
- 3 Nights in the De..
- 3 Ninjas
- 3 Ninjas Kick Back
- 3 Ninjas Knuckle ..
- 3 Ninjas: High No..
- 3 Women
- 3 zéros
- 3 Zimmer/Küche/..
- 3-Headed Shark A..
- 3, 2, 1... Frankie G..
- 3:10 to Yuma
- 4: Rise of the Silv..
- 4:44 Last Day on E..
- 4.3.2.1
- 5 Broken Cameras
- 5 Days of War
- 5 Flights Up
- 5 to 7

https://public.tableau.com/shared/35D98TZFK?:display_count=yes