



Data Analysis Project
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Tablue question:

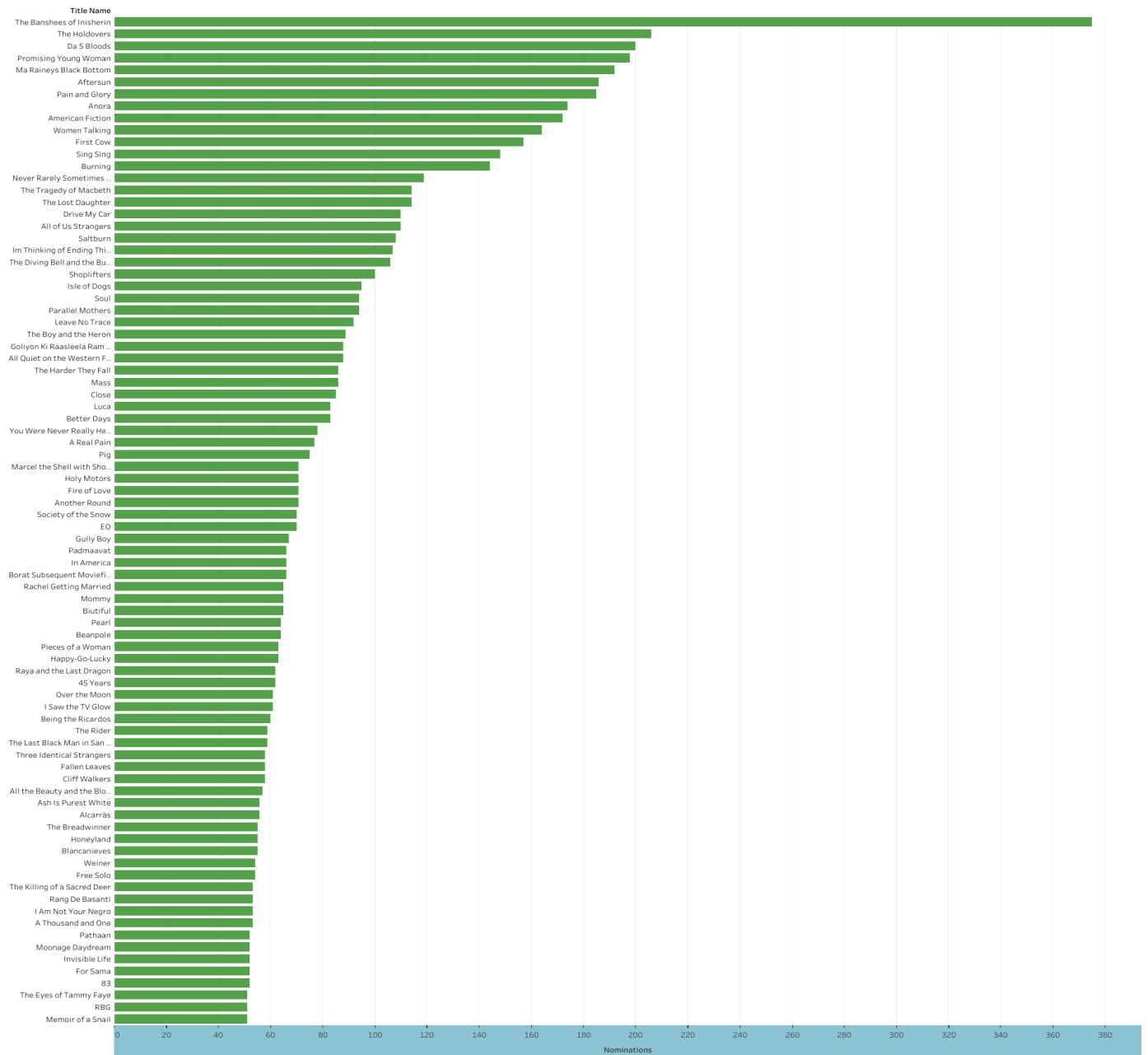
1. Which movies received the highest number of nominations?
2. How does the budget compare to revenue for each production company?
3. Which country has won the most Oscars?
4. What is the most popular genre worldwide based on votes?
5. Which director has the highest average movie rating?
6. How do nominations compare to actual Oscar wins?
7. Which top 10 stars have the highest earnings per movie?

Data column

- ID
- Title_Name
- Year
- Duration
- MPA_id
- Rating_Id
- Votes_count
- Budget_amount
- WorldWide_Gross_Collection
- gross_US_Canada
- opening_weekend_Gross
- directors
- Writer_1
- Writer_2
- Writer_3
- Star_1
- Star_2
- Star_3
- countries_origin
- production_companies
- Languages
- nominations
- oscars
- genres

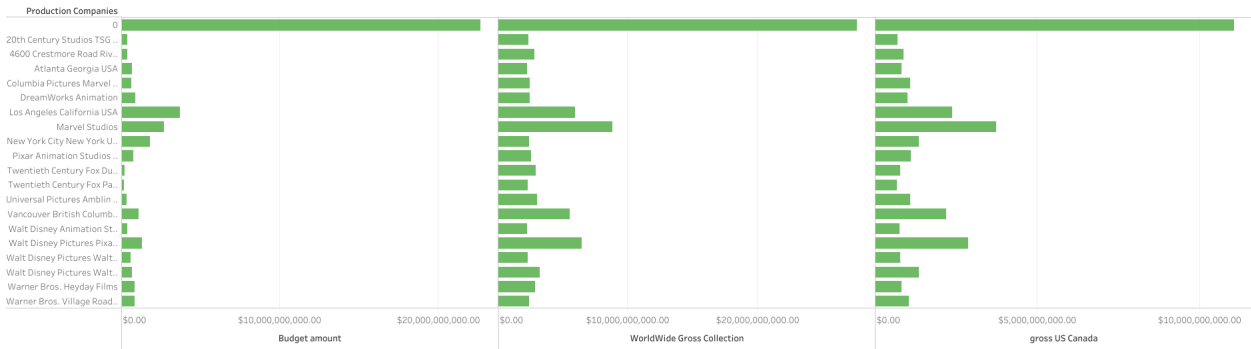
1.

Movie Received the highest number of nominations



2.

Production Company Performance: Budget vs Revenue



3.

Country with the most Oscars



4.

Most Popular genre worldwide



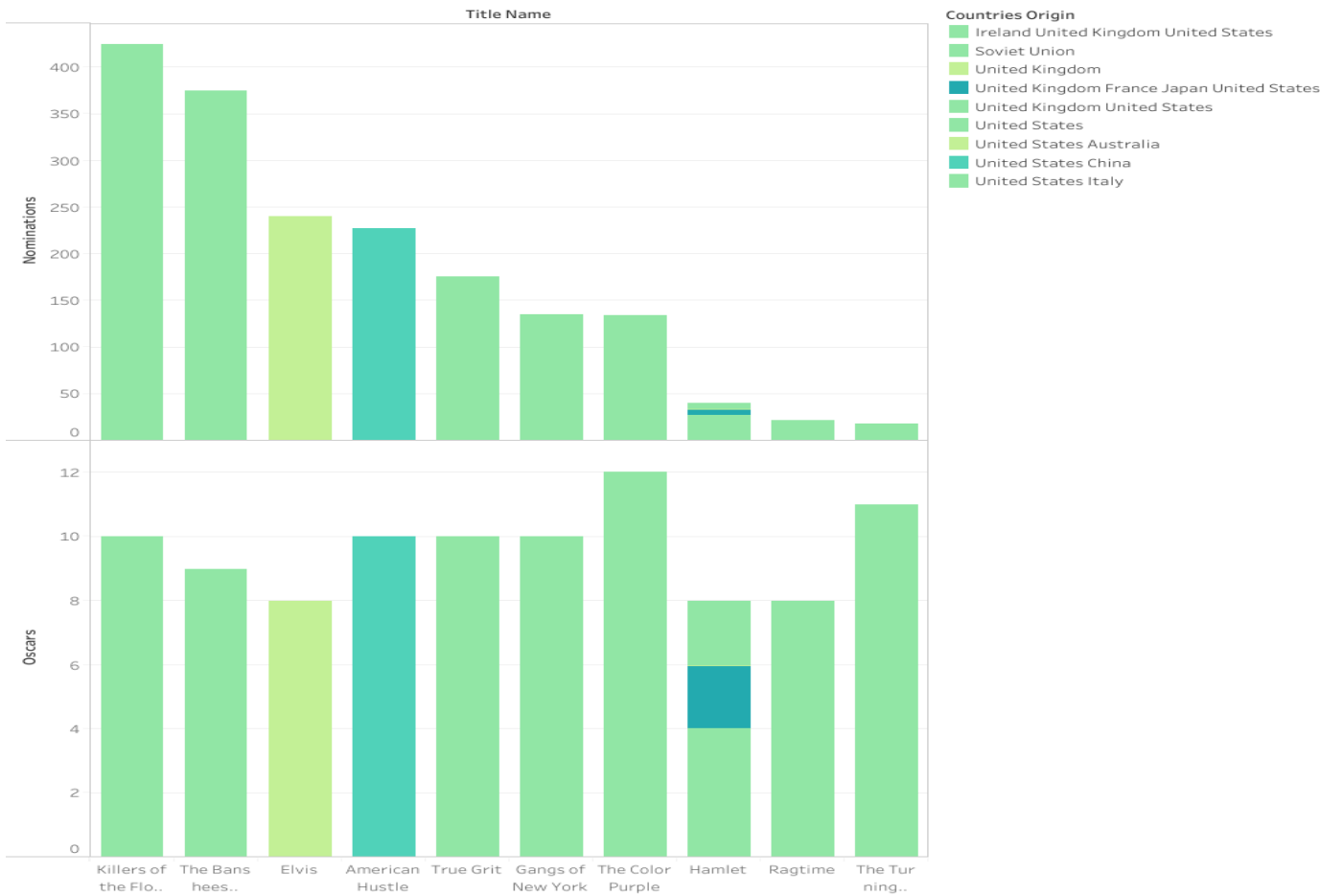
5.

Director with the highest rating



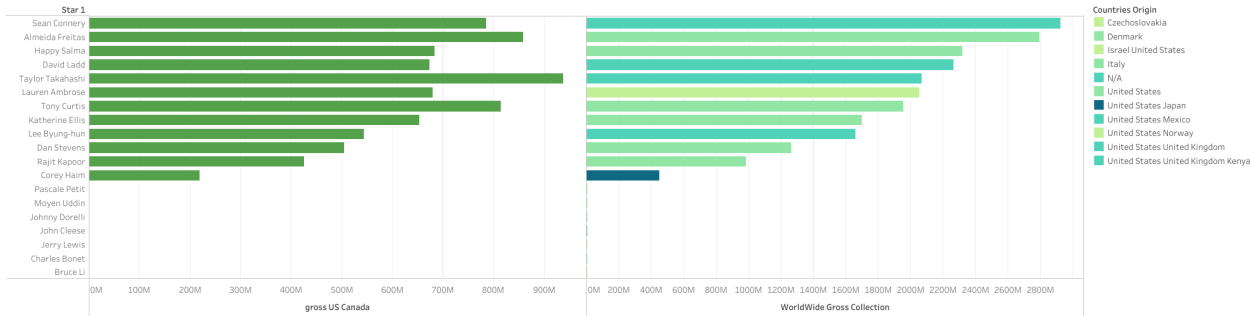
6.

Nominations vs. Actual Oscar Winners



7.

Top 10 stars with the highest earnings per movie



Explanation:

1. Which movies received the highest number of nominations?

- We analyzed the dataset to identify movies with the highest number of award nominations.
- A bar chart was used in Tableau, with the Title Name on the x-axis and Number of Nominations on the y-axis.
- The dataset was sorted in descending order to highlight the Top 10 most nominated movies.

2. How does the budget compare to revenue for each production company?

- We compared the total budget vs Worldwide Gross Collection and Gross US Canada collection for each production company.
- A bar chart plot was used, where:
 - Production Companies were placed on the x-axis.
 - Total Budget and Worldwide Gross Collection and Gross US Canada collection were added to the y-axis as different measures.
- A dual-axis chart was used to show the comparison side by side for a better understanding of profitability.
- In a Tooltip you can evaluate "profit %" too.

3. Which country has won the most Oscars?

- The dataset was filtered to include only movies that have won at least one Oscar.
- A world map visualization was used to represent the total Oscar wins by country.
- A color gradient was applied to show the countries with the highest number of Oscar wins.
- A table was also created to display the top 10 countries with the most Oscar wins.
- In a Tooltip you can see total oscar by each top 10 countries.

4. What is the most popular genre worldwide based on votes?

- To determine the most popular genre, we calculated the total votes for each genre.
- Since some movies have multiple genres, the genres were separated using the split or calculated field function in Tableau.
- The data was sorted to show the top 5 most popular genres worldwide.
- In a Tooltip you can see Title name, rating Id, and popular score too.

5. Which director has the highest average movie rating?

- We calculated the average rating for each director by aggregating their movies' ratings.
- A sorted bar chart was created, where:
 - Directors were placed on the x-axis.

- Average Rating was placed on the y-axis.
- The top 10 highest-rated directors were displayed, based on their average movie rating.

6. How do nominations compare to actual Oscar wins?

- A bar plot was used to compare the number of nominations with actual Oscar wins.
- The x-axis represented the number of nominations and oscar won, and the y-axis represented the Title name.
- A trend line was added to visualize how well nominations correlated with actual wins.
- A table was also created to display the top 10 movies with the highest nominations vs Oscar wins.

7. Which top 10 stars have the highest earnings per movie?

- The earnings per movie for each actor were calculated using the WorldWide Gross Collection and gross US Canada collection, by the number of movies they appeared in.
- Since multiple actors can be listed per movie, we took main lead actor names using calculated fields.
- A bar chart was created with actors on the x-axis and their average earnings per movie on the y-axis.
- The top 10 actors with the highest earnings per movie were displayed.