

**Trend Analysis:**

1. Average movie runtime change over the years:
  - a. For every year what is the average run-time and plot it on the graph.
2. Is there a correlation between the average movie rating and the year of release?
  - a. The goal is to identify in which year we had good movies.
3. Visualization of the distribution of movie releases per year
  - a. No. of movies released every year

**Genre Analysis:**

1. Which genres have seen the most significant ratings in popularity over the past decade?
  - a. The goal is to identify the popularity of the genres.
2. Show the top 5 genres as compared to gross earnings for the 9 box office movies.

**Performance Metrics:**

1. Correlation between the movie's runtime and its average rating
  - a. The goal is to understand the impact on the ratings due to the movie's runtime.
2. Correlation between the movie's runtime and its average gross
  - a. The goal is to understand the impact on the gross earnings due to the movie's runtime.
3. Relationship between the number of votes and the average rating of movies.
  - a. The goal is to identify the correlation between votes and rating

**Director Success Metrics:**

1. Identify directors with the most films rated above 7. Sort them in the descending order
  - a. The goal is to identify which directors have made films that were received well by the audience
2. Determine the directors who have directed the highest number of films overall and their respective gross earnings trends.
  - a. The goal is to identify if there are any notable directors who consistently contribute to high-grossing movies

**Actor and Actress Film Records:**

1. List the top 10 actors/actresses with the most films rated between 4 and 7.
  - a. The goal is to identify the popular actors/actresses
2. Compare the top 5 actors and actresses based on movie ratings.
  - a. The goal is to compare the top 5 actor and actresses

**Seasonal Analysis:**

1. How does movie performance vary across different seasons of the year? (based on gross earnings)
  - a. The goal is to identify which season has an impact on the revenue.
2. Top 3 movies based on the season (spring, summer, fall)
  - a. Spring - Jan to April
  - b. Summer - May to August
  - c. Fall - September to December

**Release Regions:**

1. Identify movies that have had the widest release across multiple regions.
  - a. The goal is to identify which movie was released in most regions.

**Matrix:**

Create a dashboard for the 9 box office movies that shows movie-wise:

1. No. of directors
2. No. of actors/actresses
3. No. of writers
4. Total worldwide gross earnings
5. Average ratings
6. No. of regions, it was released
7. No. of genres

**Note:** You need to write SQL queries for all the above BI questions and compare them against visuals to ensure that they match