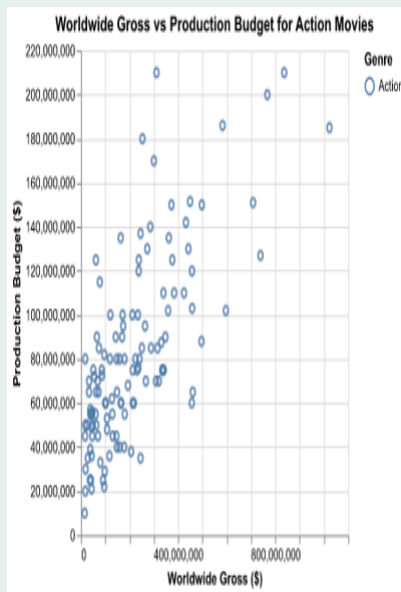


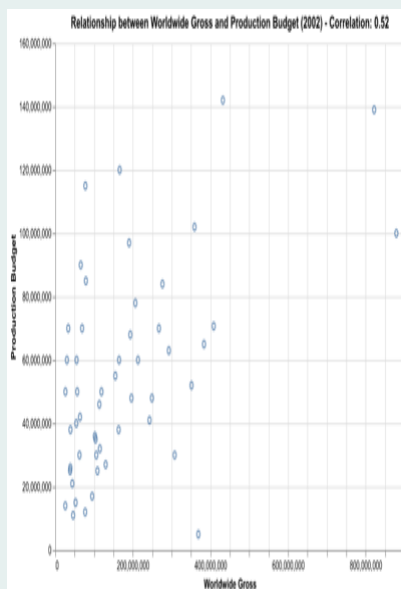
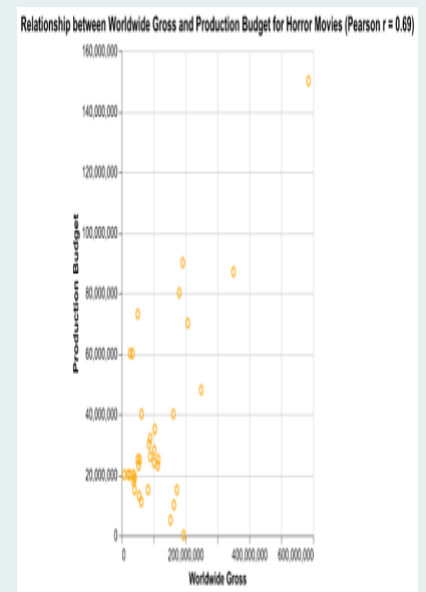
# How do the relationships between Worldwide Gross and Production Budget vary across different genres and release years?

## Introduction

This poster explores the intricate relationships between Worldwide Gross and Production Budget across various film genres and release years. Our analysis reveals significant correlations, particularly within the Action and Horror genres, indicating strong and moderate relationships, respectively. Additionally, we address unique trends, such as the negative correlation found in the Musical genre, providing a comprehensive understanding of how these dynamics evolve over time and across different cinematic styles.



- 1.)The chart illustrates the relationship between Worldwide Gross and Production Budget for Action Movies, indicating that higher production budgets tend to correlate with higher gross revenues.
- 2.)The chart shows a positive correlation between production budget and worldwide gross for horror movies, indicating that higher budgets tend to result in greater box office earnings.
- 3.)The chart shows a moderate positive correlation between production budgets and worldwide gross earnings for films released in 2002, indicating that higher budgets tend to lead to greater box office success.



## Conclusion

The charts reveal that there is a consistent positive correlation between production budgets and worldwide gross revenues across different genres of movies, particularly in action and horror films, suggesting that higher investment often leads to greater box office success. Additionally, the moderate correlation observed for films released in 2002 indicates that while budgets play a significant role in earnings, other factors may also influence a film's financial performance.