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Reflect on the Question



Analyze the Data

Draw Conclusions

Primary Research Question

1. Does a film's rating (PG, PG-13, or R) impact its cost to produce?
2. Does a film's rating (PG, PG-13, or R) influence its IMDB score?

(7 points possible)

Write Your Conclusion

Answer the question and support your answer with statistics:

This analysis examined 151 top-grossing films produced by five major studios. The average cost of a film was found to vary depending on its MPAA rating ($F = \boxed{} \quad 13.1$, $p < .05$). In a Tukey HSD test, $\boxed{}$ PG-13 films were shown to cost significantly more on average (\$127M) than PG films (\$ $\boxed{}$ 75 M). PG-13 films fell just shy of costing significantly more than $\boxed{}$ R rated films ($p = .053$). The average IDMB score of a film $\boxed{}$ does not appear to vary with MPAA rating ($F = 0.3$, $p = \boxed{} \quad 0.74$). The average ratings for all three categories of film were close to $\boxed{} \quad 7$ on a scale of 1-10.

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