



UTAustinX: UT.7.20x Foundations of Data Analysis - Part 2



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Bookmark

Reflect on the Question

Analyze the Data

Draw Conclusions

Primary Research Questions

1. Are some studios more successful in keeping their films in theaters longer?
2. Do some studios earn a greater percentage of their earnings domestically than others?

(10/10 points)

Write Your Conclusion

Answer the question and support your answer with statistics:

This analysis examined 151 ▼ **Answer:** 151 top-grossing films produced by five major

Testing (One Group Means)

- ▶ Week 3: Hypothesis Testing (Two Group Means)

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- ▼ Week 5: Hypothesis Testing (More Than Two Group Means)

Readings

Reading Check due May 03, 2016 at 17:00 UTC



Lecture Videos

Comprehension Check due May 03, 2016 at 17:00 UTC



R Tutorial Videos

Pre-Lab

Pre-Lab due May 03, 2016 at 17:00 UTC




Lab


studios. Visual examination of the data through boxplots shows no violation of the approximate equality of ✓ **Answer:** variance assumption across the five major studios. Analysis ✓ **Answer:** revealed a difference in the number of days a film spent in the theater, by studio ($F(4,146)=$ ✓ **Answer:** 5.354 , $p<0.05$). In a ✓ **Answer:** Tukey HSD test, ✓ **Answer:** Fox films stayed in the theater significantly longer (155 days) than both ✓ **Answer:** Universal (130 days) and Sony Studios (114 days). Sony studios was also significantly lower than ✓ **Answer:** Warner Brothers studios (146 days).

An additional analysis ✓ **Answer:** did not reveal a significant difference in the percentage of earnings domestically, across the five different studios ($F(4,146)=2.097$, $p=$ ✓ **Answer:** 0.084 .

You have used 1 of 1 submissions

Lab due May 03, 2016 at 17:00
UTC 

Problem Set

Problem Set due May 03, 2016
at 17:00 UTC 

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