

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



- Important Pre-Course Survey
- Contact Us
- How To Navigate the Course
- Discussion Board
- Office Hours
- Week 0: Introduction to Data (Optional Review)
- Week 1: Sampling
- ▶ Week 2: Hypothesis

Week 5: Hypothesis Testing (More Than Two Group Means) > Pre-Lab > Conduct the Analysis

■ Bookmark

Reflect on the Question

Analyze the Data

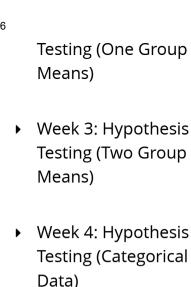
Draw Conclusion:

Primary Research Questions

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

Conduct the Analysis in R

- 1. Type or copy the script from the Prepare for the Analysis section into the Script window of R.
- 2. Select the portion of the code you wish to run, then press "ctrl+ enter."
- 3. Output can be found in the Console window.



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

Readings

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

Lecture Videos

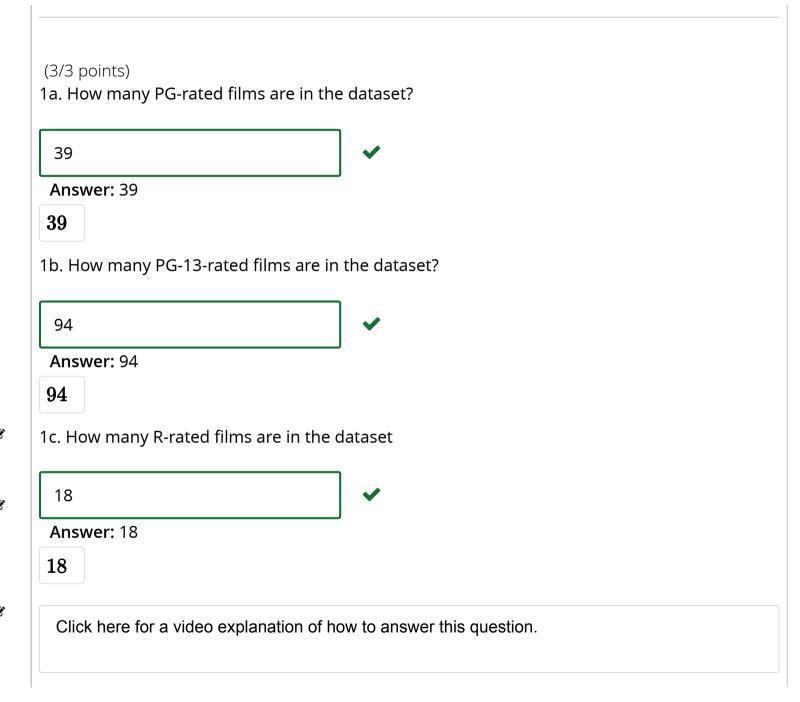
Comprehension Check due May 03, 2016 at 17:00 UTC

R Tutorial Videos

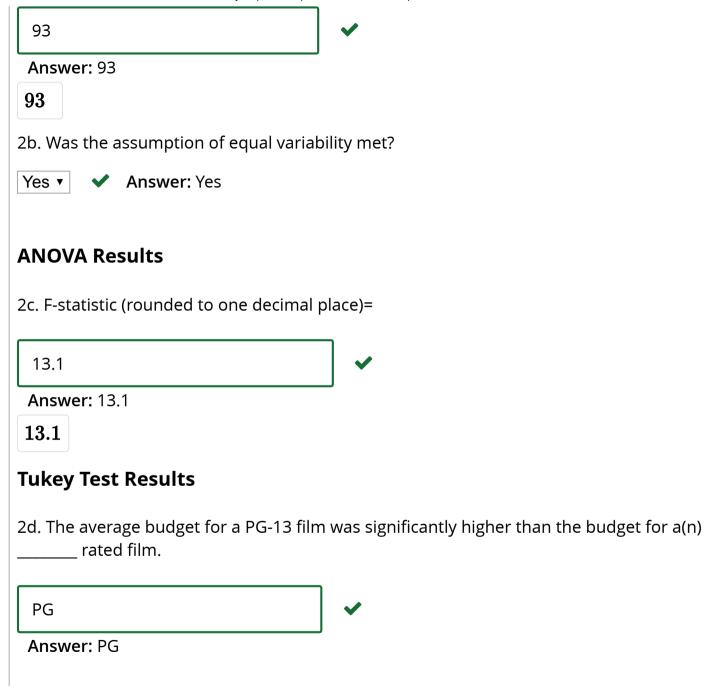
Pre-Lab

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

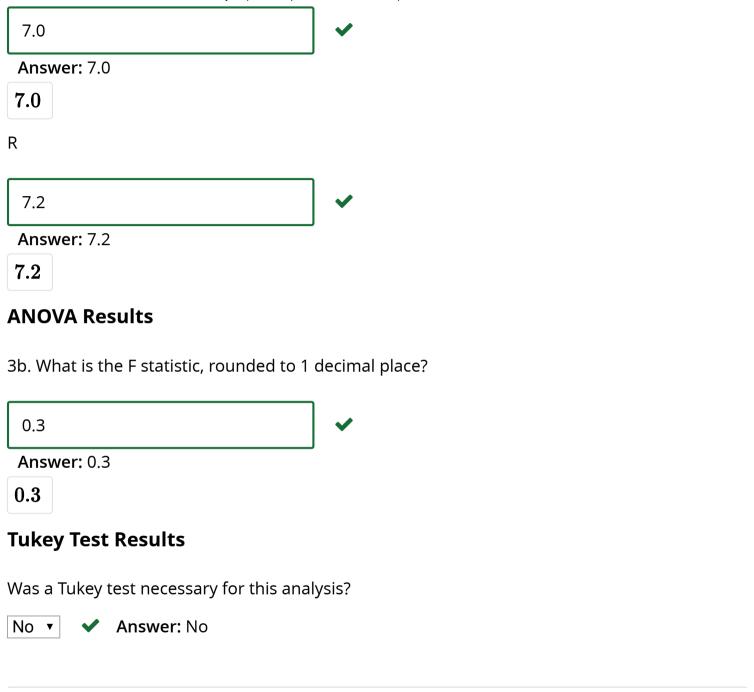
Lab



Lab due May 03, 2016 at 17:00 You have used 1 of 1 submissions UTC **Problem Set** Problem Set due May 03, 2016 at 17:00 UTC (7/7 points) **Research Question 1** 2a. What is the average cost, in millions of dollars, to make each type of film? (no decimal places) PG= 75 Answer: 75 **75** PG-13= 127 Answer: 127 127 R=



2e. The difference between a PG-13 film and $a(n)$ rated film was almost, but not quite significant, at $p = 0.053$.
R ~
Answer: R
Click here for a video explanation of how to answer this question.
You have used 1 of 1 submissions
(5/5 points) Research Question 2
3a. What is the average IMDB score for each type of film? (Round to 1 decimal place)
PG
7.0
Answer: 7.0
7.0
PG-13



Click here for a video explanation of how to answer this question.

You have used 1 of 1 submissions

© All Rights Reserved



© edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.

















