431 Homework 7 Grading Rubric

Thomas E. Love and 431 Staff

Assignment was due at noon 2018-11-16

Question 1 (10 points)

- 7 points for identifying Coexpose 2 as the required format of data.
- 3 more points for describing the difference between wide and long format.

Question 2 (10 points)

- 7 points for providing numerical summary by center
- 3 more points for correct ranking.

Question 3 (15 points)

Up to 10 points for the pre-ANOVA stuff, specifically:

- 7 points for making a correct graph
- 3 more points for giving a correct conclusion, including that there are not serious concerns in the Normality or the Constant Variance assumption.

Then up to 5 points for the ANOVA table

- 3 points for the correct ANOVA table
- 2 more points for drawing the conclusion that there is a statistically detectable difference in $p < 0.10$, at the 90% confidence level.

Question 4 (10 points)

- 6 points for correct equation
- 4 more points for correct R^2 and correct interpretation of R^2.

Question 5 (15 points)

- 5 points for the result of the Tukey HSD method
- 5 points for the Bonferroni approach
- 5 points for a conclusion including that Rancho Los Amigos has a statistically significantly larger mean than does Johns Hopkins.

Questions 6-9 (10 points each, for a total of 40)

Questions 6-9 are each worth 10 points, and are each graded according to the same rubric.

- 10 points if the answer is very strong, with no details missed.
- 7-9 points if the student generally does what the question asks for, but perhaps misses a small detail.
- 5-6 points if the student is clearly on the wrong track, but makes some meaningful effort.
- Less than 5 points if the student doesn't make sufficient effort.

Class Roster Elements

The roster is available now in the usual place. Please provide comments in the `HW7-Notes` section about some part of Questions 6-9 for every student. If they score 8-10 on each of the Questions 6-9, then these should generally be notes of praise, of course. If they score below 75% on any Question, please indicate the reason in the `HW7-Notes` section, also. Thanks!

Column	Explanation
Name, ID, etc.	Student Identifying Information
HW7-Q1	Question 1 results (0-10 points)
HW7-Q2	Question 2 results (0-10 points)
HW7-Q3	Question 3 results (0-15 points)
HW7-Q4	Question 4 results (0-10 points)
HW7-Q5	Question 5 results (0-15 points)
HW7-Q6	Question 6 results (0-10 points)
HW7-Q7	Question 7 results (0-10 points)
HW7-Q8	Question 8 results (0-10 points)
HW7-Q9	Question 9 results (0-10 points)
HW7	Total Score on Assignment 7 (0-100 points)
HW7-Notes	Notes from TAs to Students