

431 Assignment 5 Grading Rubric

431 Staff

Assignment was due at noon 2017-11-03

We are grading all questions, for a total of 100 points.

Question 1 (20 points)

At least 16 out of 20 points should be given if:

- the essay is clear,
- answers the questions posed,
- meets the word limit, and
- has generally good grammar and spelling.

Students should receive **19-20 points** if they meet all of the standards above, and are one of the 6-10 best essays in the group.

Students should receive **16-18 points** if they meet all of the standards above, but were not in that top group.

Students should receive **13-15 points** if they meet most of the standards above

Students should receive **12 or fewer points** if they fail to meet at least two of the standards above, and a note about why they are receiving no more than 12 points should be available in the **HW5-Notes** section of the roster.

Question 2 (10 points)

- 10 points for doing everything right
 - Using power.prop.test (4 points)
 - p1 of 0.1 and p2 of 0.05 (2 points) or vice versa
 - Power of 0.8, and significance of 0.05 (2 points)
 - Arriving at 435 patients in *each* group or a total of 870 (2 points)

Question 3 (10 points)

- Award 10 points for:
 - Setting up the table correctly
 - Interpreting the table correctly
- Award at most 8 points for doing only one of the above
- Award at least 5 points for any reasonable attempt.

Question 4 (10 points)

- Award 10 points for:
 - Setting up the table correctly
 - Interpreting the table correctly
- Award at most 8 points for doing only one of the above

- Award at least 5 points for any reasonable attempt.

Question 5 (5 points)

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

Question 6 (5 points)

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

Question 7 (10 points)

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

Question 8 (10 points)

- 5 points for comparing the means.
- 5 points for drawing conclusion that there is a statistically detectable difference in $p < 0.10$, at the 90% confidence level.
- 4 pt. for a reasonable attempt

Question 9 (10 points)

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

Question 10 (10 points)

- 4 points for the result of the Tukey HSD method - 4 points for the Bonferroni approach
- 2 points for a conclusion including that Rancho Los Amigos has a statistically significantly larger mean than does Johns Hopkins.

Class Roster Elements

The roster is available now in the same folder as the other rosters.

Column	Explanation
Name, ID, etc.	Student Identifying Information
HW5-Q1	Question 1 results (0-20 points)

Column	Explanation
HW5-Top Essays	Identify the top 6-10 Essays (Q1)
HW5-Q2	Question 2 results (0-10 points)
HW5-Q3	Question 3 results (0-10 points)
HW5-Q4	Question 4 results (0-10 points)
HW5-Q5	Question 5 results (0-5 points)
HW5-Q6	Question 6 results (0-5 points)
HW5-Q7	Question 7 results (0-10 points)
HW5-Q8	Question 8 results (0-10 points)
HW5-Q9	Question 9 results (0-10 points)
HW5-Q10	Question 10 results (0-10 points)
HW5	Total Score on Assignment 5 (0-100 points)
HW5-Notes	Notes from TAs to Students