Homework 7 Rubric

432 Staff

due 2018-04-13. Version: 2018-03-13

0.1   All Questions

- You lost at least 1 point for each technical error, including spelling, grammar, syntax, on every question where you made such an error. You also lost some points for not labeling things properly, etc.

1   Question 1 Grading (Available Points: 15)

- We gave scores of 15 only to the best 3-5 visualizations we saw.
- We gave scores of 12-14 for good-to-excellent visualizations, that effectively summarized meaningful data.
- We gave scores of 9-11 for fair visualizations, that were less successful either in terms of showing *meaningful* data, or showing the data *effectively*.

2   Question 2 Grading (Available Points: 20)

- We awarded scores of 18-20 to essays that touched on all elements of the question (especially those labeled as a, b and c) effectively.
- We awarded 15-17 that touched on two out of the three key elements (a, b and c) effectively.
- We awarded no more than 14 points to essays that missed more than one of the elements we were looking for.

3   Question 3 Grading (Available Points: 15)

- We gave 15/15 points if you fit a model that did not exceed 12 degrees of freedom, and if you interpreted the resulting hazard ratio for `treat` correctly.
- We gave at most 12 points if you did only one of those two things.
- We gave at most 7 points if you did neither.

4   Question 4 Grading (Available Points: 10)

- We gave 10/10 points if you fit the model and interpreted the resulting hazard ratio for `treat` correctly.
- We gave at most 7 points if you did only one of those two things.
- We gave at most 5 points if you did neither.

5   Question 5 Grading (Available Points: 20)

We gave 18-20 points if you did all three of these things very well . . .

- compared the models using **at least two** different measures of fit quality (which could include a likelihood ratio test, or a comparison of mod_A to mod_B with AIC or BIC or Somers' d or R^2),

- if you assessed the proportional hazards assumption appropriately,
- validated your preferred choice of model appropriately.

We gave 14-17 points if you successfully did two of these three.

We gave at most 13 points if you did only one of these things successfully.

6 Question 6 Grading (Available Points: 20)

- We awarded 8 points for correctly doing the R coding, taking off a point for each obvious problem with your results.
- We awarded up to 12 additional points for the sentences describing the estimates and plots. We judged these on clarity and relevance, only. If they made sense, were in complete English sentences, and relevant, that was enough.