

# 432 Homework 1 Rubric

432 TAs

Due 2020-01-28. Version: 2020-01-27

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## General

- Subtract a point or two in the grade for each question, for each typographical or grammatical error you catch, or for not writing responses in complete sentences, up to a maximum of 25% of the available points for that question.
- If the student gets the work in after 6 PM on 2020-01-28, mark the time when they submitted the results in the General Problems section. Penalize them 10 points if the work is in between 6 and 7 PM, and 25 points if it's submitted after 7 PM. Contact Dr. Love if anyone fails to get the work in by 7 PM.
- If they submit the Rmd but not the HTML or vice versa, please note that in the General section, and remind the student via their preferred email to get the completed work in. If they succeed in getting in the full assignment by 24 hours after you remind them, score them with 5 points in the Penalties column from the entire assignment. Otherwise, score them with 15 points in Penalties.
- Penalties are cumulative, so late incomplete work could cost as much as 40 points (25 for late initial submission, and 15 more for not fixing the problem when you point it out.)

## 1 Question 1 (50 points)

- Award up to 35 points for successfully creating a table one stratified appropriately
- Award up to 15 additional points for giving a conclusion comparing both groups (including all the variables)
- A completely successful effort will thus receive the full 50 points, and I expect that to be the modal grade.
- A reasonable but not completely successful attempt should usually receive 35-45 points, total. Provide comments to all students who score below 45/50.

## 2 Question 2. (25 points)

- Award up to 8 points for developing an correct plot or plots (labeled correctly) showing the sbp, bpm and insurance.
- Award up to 9 additional points for developing two models (one with interaction and one without interaction)
- Award up to 8 additional points for an appropriate conclusion comparing variation and significance in both models (the interaction is neither significant, nor does it account for a large fraction of the variation in the SBP values.)
- It's OK if they follow the plot and focus on the interaction model, or if they follow the other issues and focus on the "without interaction" model. But they should pick one or the other.
- A completely successful effort will thus receive the full 25 points, and I expect that to be the modal grade.
- A reasonable but unsuccessful attempt should usually receive 15-20 points, total. Provide comments to all students who score below 22/25.

## 3 Question 3. (25 points)

You need to identify (as a group) the 4-6 best essays (of the complete set of 49) that were read by the TAs (so that's choosing from the best two that each of you read, probably). In the Comments to Professor Love, please briefly identify the top 4-6 and specify the topic of these 4-6 best essays so I can read through them before returning them to the students, and select 2-4 to share.

No more than 18 out of 25 points should be given unless: - the essay is clear, - it answers the questions posed, - it meets the word limit, and - it has generally good grammar and spelling.

Students should receive 23-25 points if they meet all of the standards above, and are one of the 4-6 best essays in the group.

Students should receive 18-22 points if they meet all of the standards above, but were not in that top group.

Students should receive 14-17 points if they meet three of the standards above but miss on one of them.

Students should receive fewer than 14 points if they fail to meet at least two of the standards above.

All students should receive some feedback (at least a "Nice job! I found this interesting and well-written") from the TA who did the initial grading of the work. I expect at least 40 of our 49 students will receive grades on the essay between 14 and 21.