Homework 5

STAT 625 Fall 2022

Due October 11, 2022, 12:30pm

1 Reading

- Read Chapter 6 of the text.

2 Primary Questions:

Turn these in for your homework, or substitute some of the challenge questions below.

hint several of these problems may be easier to write by hand. If you have a way to capture your writing electronically with another application, you may include imported graphics in your knitted file using syntax like:

```
'''{r foo, out.width="100%", fig.cap="An example image."}
knitr::include_graphics("foo.pdf")
'''
```

1. Weisberg problem 5.1part1 (1 parts)

2. Weisberg problem 5.5parts123 (3 parts)

3. Weisberg problem 5.8 (2 parts)

4. Weisberg problem 5.9parts12 (2 parts) * extra credit for part 3

5. Weisberg problem 5.11 (2 parts) (note that this problem technically continues 5.10, but you don't need to do 5.10 first)

6. Weisberg problem 5.19 (2 parts)

3 Challenge questions:

7. Wesiberg problem 5.1parts234 (3 parts)

8. Weisberg problem 5.4 (3 parts)

9. Weisberg problem 5.6 (1 part)

10. Wesiberg problem 5.15 (1 part)

11. Weisberg problem 5.17 (4 parts)

12. Weisberg problem 5.18 (2 parts)

13. Weisberg problem 5.20 (2 parts)

4 Pre-lecture Check

Complete this week's timed pre-lecture check on **gradescope**.