

Review 1

1. Exercise Remarks

Exercises though written in pen are neatly written, though it can be done better. The problems are well separated and important steps are highlighted as presented in the class. I understand the lack of context in the interest of time, though some description would be better.

2. Coding Remarks

- a. Code is mostly modular, the variable names are meaningful except in case of heavy-tailed models.
- b. I would split the code for Simple Bayesian Linear Model from the Heavy-Tailed model.
- c. Do not include unnecessary libraries. I see you have included ggplot, but used regular plots.
- d. For heavy tailed models, I see that you have used 'burn in' without properly defining it. Also you could use thinning to avoid auto-correlation in samples
- e. While plotting regression lines using abline, it is better to use the variable coef then the variables a and b. It is more descriptive and short.
- f. Library must be included at the beginning on the code. I occasionally saw it hanging in the text
- g. I prefer using <- for assignment compared to =, unless using them in function arguments. You have inconsistently used both = and <- operators even when assigning function names. Also I would leave some space around the operators.