

Course assignment Bayesian Stat with R 2021

Assignment 1:

You should go through the computer labs. Ensure that you to some extent understand the problem, the results from the analyses and the R code used.

(at the scheduled computer labs 16/3, 22/3 and 24/3 you can discuss and get support on the labs (you can ofcourse discuss other things as well, e.g. Option A and B below)).

Assignment 2:

You can chose between two ways of doing the assignment 2.

Deadline: Friday 16 April.

Option A:

Write a document where you address 2-3 of the exercises in the three computer labs. You should pick at least one exercise from each of the three computer labs (1, 2 and 3). Give comments/reflections/interpretations of the data, analysis and results and answers the Question(s) within the exercise. Add plots, etc if needed..

- You can chose between presenting 2 exercises more thoroughly or 3 exercises more briefly.
- Write brief and short. No lengthy essays are needed.
- Present the results in a file which you send to me in pdf-format

Option B:

Pick a (simple) question/problem that you are interested in (for example within your thesis subject). Retrieve the necessary data. Specify your scientific question and try to answer it by both frequentist and Bayesian analysis. Try different models. Calculate and visualize prior and posterior predictions. Compare and discuss the results. The project should in terms of ambition (length/difficulty) be similar to Option A in total.

- Present the results in a file which you send to me in pdf-format