

Homework Submission Instructions

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Introduction

I strongly encourage you to adopt either R Markdown or Quarto (see documentation by googling for these) for doing all your coding. There are many advantages to a reproducible workflow, as discussed in my reproducible workflows lecture:

<https://vasishth.github.io/ReproducibleWorkflows/>

The homework submissions should be a single pdf file. If you are unable to compile an Rmd file to pdf, first create an html file, and then print it to pdf format.

Before working with R Markdown or Quarto, be sure to read the documentation and/or watch a quick online tutorial.

Advice on using R Markdown for Bayesian modeling

- Make sure you start a fresh R session
- Make sure that RStudio does not create any hidden files when closing a session
- Work incrementally (chunk by chunk)
- All computationally intensive chunks involving **brms** (and later, Stan) code should have the header

```
message = FALSE, results = "hide", cache=TRUE
```

cache=TRUE ensures that you don't need to re-compute everything again once you recompile an Rmd file; it creates a directory in your present working directory that stores results that are loaded the next time you compile your file. message=FALSE switches off the verbose brms/Stan output. results="hide" will also suppress a lot of junk intermediate output as the model is compiled and run.

Occasionally, the cache directory gets corrupted. If the compiled Rmd seems to show weird results, sometimes this can be due to a corrupted cache. Just delete the cache and try again (I should say that this problem has recently stopped happening for me).