



Homework 1

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Bayesian Statistical Modeling Winter 2022

Homework, Week 1

When is homework due? Homework is due on Mondays (Tuesday if Monday is a holiday). This assignment is due on Monday, 1/10/2022. Submit homework to gradescope.

Before submitting your work You should use this file as a template for completing the assignment. You should change the author to your name. You should use the features of Rmarkdown to write your text answers below and include R code and equations where necessary. You should turn in both the .Rmd file as well as the pdf file that you generate by using the **Knit** button.

Running the shiny app

This assignment is a walkthrough of using the virtual machine to run a shiny app. Once you have your VM up and running you can navigate the filesystem and find the file `app.R` under “In Class Material”/“January 4, 2021”. This app performs the Bayesian calculation we discussed in class, namely what is the probability of having covid given cold-like symptoms.

Question 1: Bayes's rule