Exercise

For this exercise, we will implement some of the machine learning models covered in this module, and some of the general approaches we covered previously. This is a continuation of the exercise you’ve been working on over the last few weeks.

Note: This exercise is likely time-consuming and you might get stuck. Please plan accordingly. Start early and ask for help if needed. The documentation on the tidymodels website will likely be very helpful for figuring out the different bits of code you need to write here.

Setup

This is a solo-exercise, and it’s part of your portfolio.

Since the previous Quarto document was getting long, we’ll set this up as a different one. Make a new folder in your portfolio repo and call it ml-models-exercise.

If you haven’t done so yet, update your previous code to save the clean data (with the variable SEX included) from the last exercise into an Rds file. Copy that Rds file into the newly created folder. Also in this new folder, start a new quarto file called ml-models-exercise.qmd.

Open the new quarto file you just created, and we should be ready to go.