Intro to Quarto

All assignments in this class will be done via Quarto documents. Quarto documents are documents that combine text, code, and output, including figures. They are a great way to produce self-contained and documented statistical analyses. Quarto has support for a variety of popular programming languages for data analysis, including R and python.

In this first worksheet, you will learn how to do some basic Quarto editing. After you have made a change to the document, press "Render" in R Studio and see what kind of a result you get. All assignments will be submitted as pdf files and therefore this Quarto document renders into a pdf as well.

Edit only below this line.

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1. Basic Markdown editing

Try out basic editing features, as described here: https://quarto.org/docs/visual-editor/#overview. Write some text that is bold, and some that is in italics. Make a numbered list and a bulleted list. Make a nested list. Try the block-quote feature.

Also try both the visual and the source editing mode and see which one you prefer.
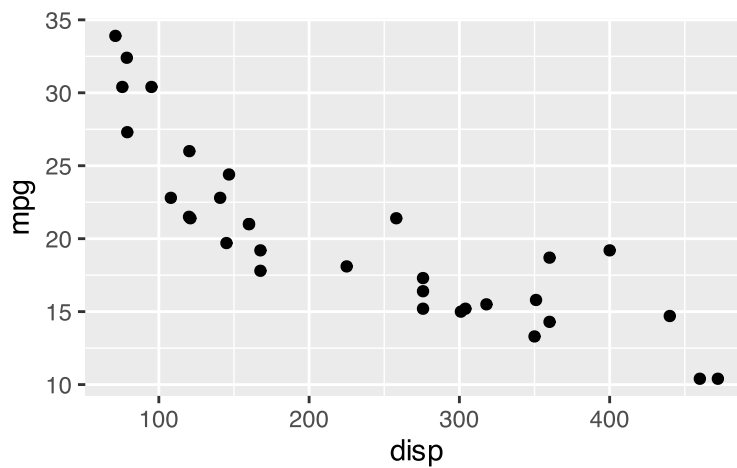
Your text goes here.

2. Embedding R code

R code embedded in R chunks will be executed and the output will be shown.

```r
library(ggplot2)

ggplot(mtcars, aes(disp, mpg)) +
  geom_point()
```

Now you try it. If you know some ggplot, modify the above plot. For example, plot some other data columns (e.g., hp, qsec, gear), or add some color to the plot. If you don't know ggplot but know some other R, try that. If you don't know any R try basic mathematical expressions, such as 45 + 10 or sqrt(15).

```
# Your R code goes here
```