Module 4 Exercise

Create a project with remote version control

- From GitHub, create a new repository for the R minicourse. Remember to initialize it with a ReadMe file.

- In RStudio, then create a new project with remote version control, setting it up for use with the online repository you've just created.

- Now as make changes on the document below, use version control to routinely update your documents on GitHub.

Create a PDF document with Module 3 Exercise instructions and results

- Using the Module 3 instructions and either your own code or the suggested solutions code to Module 3 exercises, try to create a single PDF document which shows:

  - The instructions for each task, formatted as in the PDF,
  - Your code
  - The output of each step. If a step doesn't have any explicit output, print the tibbles that result from changes you make in the given step.

- Make sure the results have the following:

  - Code highlighting with your style of choice
  - A table of contents
  - Dataframes printed as tibbles

Create an HTML copy

Now that you have a PDF copy, try saving a new copy of your RMarkdown file that you will then use to generate the same document as a webpage.

- After saving the new copy, change the output type so that it is a HTML document.

- Choose a theme for your HTML page.

- Change the chunks so that there is code folding. Also check out what happens if you instead set *echo* to FALSE for some chunks.

- Change the dataframe printing to Kable, looking at the dataframe after each step using head() instead of displaying the data frame itself.

Now create a Beamer presentation copy

Once again, save another copy of your work, now for use in generating a Beamer presentation (you can try out other presentation types if you prefer).

- This time, keep head() in the document but set the chunk options so that no output is displayed, just the code itself.

- Choose a Beamer Theme and Color Theme to apply to your presentation. Check out the RStudio page on how to specify these options here and then choose a theme and color theme from the Theme Matrix.

- Try adding an image to the last slide of your presentation.