Lesson 2: Quarto and GitHub

Class announcements

- Reminder: Course communication will primarily be through Slack. Please make sure you have joined our workspace to not miss announcements about scheduling changes etc.
- We will use the `lecture-chat` channel in Slack. Feel free to post questions or let us know if you're having software issues or can't get demos to work on your computer during the lecture
- Zoom recordings are available at the course Canvas site
- Course website and readings - see the Lectures tab of the course website. You do NOT have to do the exercises in the assigned chapter before class
- Assignment 1 is due 9/4 (we will go through how to submit through GitHub next week)
- Jaime will hold regular office hours Mondays in Fernow 311

Learning objectives for today's class

By the end of today's class, students are expected to be able to:

- Generate documents with Quarto, and render these documents to html with RStudio.
- Use the visual editor to combine text, code, tables and plots in Quarto documents, and understand the underlying markdown syntax
- Demonstrate at least two Quarto code chunk options
- Configure git to integrate with RStudio

Rmarkdown

TEXT. CODE. OUTPUT.

(GET IT TOGETHER, PEOPLE.)

Quarto files are designed to be used in three ways:

- For communicating to decision-makers, who want to focus on the conclusions, not the code behind the analysis.
- For collaborating with other data scientists (including future you!), who are interested in both your conclusions, and how you reached them (i.e. the code).
- As an environment in which to do data science, as a modern-day lab notebook where you can capture not only what you did, but also what you were thinking.

Option	Run code	Show code	Output	Plots	Messages	Warnings
`eval: false`	X		X	X	X	X
`include: false`		X	X	X	X	X
`echo: false`		X				