JSC270 Assignment 1: Visualizing COVID-19 data

Due: Monday January 31, 2022 10:59 am (before lecture)

Learning objectives

1. Understand the [DELVE COVID-19 dataset](#) and how it is displayed in the public data exploration notebook ([here](#))
2. Comment and understand basic python code from another source
2. Modify code to update figures
3. Read in, wrangle, and plot data on your own!

Assignment overview

In this assignment, you will review the DELVE COVID-19 data and how it has been explored in a notebook made public by the group compiling this data.

You will then work with the data and modify aspects of the DELVE code in a copy of the [assignment colab file](#).

Finally, you will create your own visualization of a COVID-19 dataset of your choice.

Instructions

To start this assignment, make a copy of the [assignment colab file](#) in your own google drive and modify the colab notebook file there. Step-by-step instructions can be found in the notebook.

To complete this assignment, you will need to hand in the following to quercus:

1. An **.ipynb file** with your complete solutions to the assignment questions regarding the DELVE COVID-19 dataset (Part I) and the visualization you created with your own dataset (Part II).
2. A **pdf containing a 2-page, double spaced report** describing the visualization you created with your own dataset with the following sections:
   a. Background: Description of the data you found
   b. Motivation: Goal of your visualization
   c. Methods: Summary of the visualization you created of the data
   d. Conclusion: Conclusions or findings indicated by the visualization you have created