JSC270 Assignment 1: Visualizing COVID data

Due: Monday January 25, 2021 11:59 am (before lecture)

Learning objectives:

1. Understanding 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. Modifying code to update figures
3. Reading in, wrangling, and plotting data on your own!

Assignment Description:

In this assignment, you will review the DELVE COVID 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 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.

To complete this assignment, you will need to hand in (to quercus):

1. An .ipynb file with your complete solutions to the assignment questions
2. A pdf 2-page, double spaced report describing the data you found (background), the goal of your visualization (motivation), the visualization you created of the data (methods), and conclusions or findings indicated by the visualization you have created for the final question in the assignment (conclusion).