For this assignment you will write the code necessary to complete each step and commit and push it to your GitHub repository which you have previously shared with me. Your grade will be based on the cleanliness of the code and whether it produces what is expected

## PART 1:

- Share your GitHub Repository with me by logging into your GitHub account and choosing the ECON691*** repository. On its main page, click on the settings tab and then, along the left side, click on the Manage Access tab. Here you will add a collaborator and search by my username which is 'jrgroves'. You will know it is me if the image is the NIU Logo.

## PART 2:

- Using the Covid-19 data set that you used in class, create a function named DIF that will calculate the change in the data values from day to day and use this function to create the new objects: New Cases, New Deaths, and New Tests.

- Create and use a second function to calculate the percentage change for the three variables you just created.

## PART 3:

- Using the plot() command, create a simple line plot with the percentage changes in the new cases, new deaths, and new tests. Make sure to label each of the graphs as part of the code and make sure they are easily readable.

- Using the Export → Copy to Clipboard feature in the RStudio Plots tab, copy each plot and place then in a Word document. You should resize the three graphs so that they all three fit on a single page. Save this as a .PDF file and then add it via the GitHub website (you can drag and drop) to your repository.