GEOG 491/891: Special Topics - Spatial Analysis in R

Week 01.00: A COVID-modified introduction

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Today's schedule

- Quick introduction and instructions for Wednesday

What this class is

- Collaborative
- Flexible
- **Student-led**

What else it is

- "Special topics", meaning it's experimental
- Whatever we want it to be

For next class (also on Canvas page)

0. Watch this video (which you are)
1. First, download and install the R computing environment (just get the most recent one): https://www.r-project.org
2. Next, install RStudio Desktop, the IDE we'll use this semester. It's a user-friendly (well, more friendly at least) way to create projects https://www.rstudio.com/products/rstudio/download/

A quick tour of the R environment

More next class (also on Canvas page)

3. If you don't already have a GitHub account, sign up for one. https://github.com
4. Then, get your GitHub Student Developer Pack. It grants you a LOT of FREE stuff: https://education.github.com/pack/join
5. We'll talk about git and GitHub in class, but there are many ways to use it. The command line is popular and powerful, but there is a steep learning curve. There are many free and paid software options as well. GitHub Desktop is one of them https://desktop.github.com , but feel free to use your Google-Fu and find something that you like

Homework for Wednesday (also on Canvas page)

1. Complete the above setup steps
2. Review chapters 1 - 4 on the R for Data Science page I linked above. Don't worry, it'll go more quickly than it sounds
3. Come to Wednesay's class with *at least 2* questions you have about R, geospatial programming in general, or this course.