**Install Git on a Mac:**

The quickest way to install Git is to download from the 2.23.0 link in the [Binary installer](https://git-scm.com/download/mac) section of Git Downloads. However, trying to install it might alarm the security.

In which case you need to go:

***Settings 🡪 Security and Privacy 🡪 General*** tab

And then click the ***Install anyway*** button

The binary installer is no longer being consistently updated – but it will work for now. The far more robust solution is to use Homebrew. There are many more uses for Homebrew on a Mac – it basically is the clearinghouse for all things programming on a Mac. I will be changing the Git Install instructions on a Mac to use the Homebrew route… but not today.

**Peripheral Topics:**

Please note that many of my comments here are related to the fact that I am not a data scientist, let alone a data scientist in Natural Resources.

Here are comments, questions, and requests on this list that I had:

**For/if/else, animations**: Easy enough to include

**Googling help**: This is more of a side discussion to other lessons than its own lesson, which I will try to include.

**Time-series plot**: Can you give me an example of this? I know the time series plots have time on the x-axis but that does not seem to be very profound and that is covered already. I am guessing that people were looking for something more meaningful than that.

**Publication quality**: Can someone give me an example that gives specific details about what a journal is looking for? Then we can go through how to apply this in GGPlot.

**Data Cleaning/wrangling**: What is meant by wrangling? Also, are people looking for how to deal with ugly data in R or how to create a new data file? Examples would help here…

**Spatial data/ choropleths/ heat maps:** This is still a whack-a-mole problem for me. In other words, every example requires a different solution. I want to be able to teach something that is somewhat universal. I believe this is possible and it is a task of mine right after this class is over. So, for now I will have to disappoint but I do invite people to be a part of the process afterwards.

**RShiny**: That requires RMarkDown and there was not enough interest in that. I can still help people with RMarkDown questions on the side.

**Weekly Reflections:**

My goal is to figure out how to better teach this material to people in natural resources. These assignments are given at least partially to meet my goal. The other part is that I need to see how you are engaging in the material to evaluate your progress. There are many ways to meet both goals and I am very flexible so if you want to use a different form of evaluation (e.g., project-based), then feel free to email me back.

***Note:*** ***The questions below have been added to the application section of the lessons.***

For each lesson and application\* completed this week

1. What was your level of comfort with the lesson/application?
2. What areas of the lesson/application confused or still confuses you\*\*?
3. What is a way you can apply the material in this lesson towards your research or area of study?
4. What are some things you would like to learn related to, but not covered in, this lesson?

Each week, save the answers to these four questions to a file in your RStudio Project. Make sure you send your RStudio Project to me by 8:00am the Monday before class.

*\* Answers to the lesson applications exists on the class GitHub repository. My expectation is that you view them to check your work or get past a stumbling block.*

*\*\* It helps me if you maintain some record of your attempts to write a script. So, instead of deleting your code every time it does not work, try commenting out bad code or saving it to a different file.*

**Next week's assignment:**

* Read lessons 2 and 3
* Attempt the application
* Answer the four questions
* Send me your RStudio Project by 8:00am Monday