

Assignment 1: Introduction

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OVERVIEW

This exercise accompanies the introductory material in Environmental Data Analytics.

Directions

1. Change “Student Name” on line 3 (above) with your name.
2. Work through the steps, **creating code and output** that fulfill each instruction.
3. Be sure to **answer the questions** in this assignment document.
4. When you have completed the assignment, **Knit** the text and code into a single PDF file.
5. After Knitting, submit the completed exercise (PDF file) to the dropbox in Sakai. Add your last name into the file name (e.g., “Lima_A01_Introduction.Rmd”) prior to submission.

The completed exercise is due on <>.

1) Discussion Questions

1. What are your previous experiences with data analytics, R, and Git? Include both formal and informal training.

Answer: My understanding of data analytics and R began with what I learned in ENV 710 with John Poulsen in the Fall of 2020. I feel like I got reasonably familiar with R and RStudio as well as the basics of linear modeling as a tool for understanding data in this class. I then took Landscape Analysis and Management with Dean Urban in the Spring of 2021. This class exposed me to a lot of new ways to analyze environmental data (e.g., species distribution models, Maxent) but I’ve forgotten how to do a lot of those analyses.

2. Are there any components of the course about which you feel confident?

Answer: I’m a latecomer in my education to data analytics, coding, and computer science. As such I don’t have a ton of confidence in my ability to do these things. That said, I probably do underestimate my ability perform these tasks. Still, I think there are many benefits to having a beginner’s mind when it comes to learning anything. So I guess I’m confident that I’m ready to learn and take lots of notes!

3. Are there any components of the course about which you feel apprehensive?

Answer: As I noted in my previous response, I’m fairly new to coding and data science in general. I feel I can get overwhelmed by the newness of a coding language or platform. For example, I was apprehensive about getting involved with GitHub.

2) GitHub

Provide a link below to your forked course repository in GitHub. Make sure you have pulled all recent changes from the course repository and that you have updated your course README file.

Answer: https://github.com/israelgolden/Environmental_Data_Analytics_2022.git