Assignment 1: Introduction

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OVERVIEW

This exercise accompanies the introductory material in Environmental Data Analytics.

Directions

1. Rename this file `<FirstLast>_A01_Introduction.Rmd` (replacing `<FirstLast>` with your first and last name).
2. Change "Student Name" on line 3 (above) with your name.
3. Work through the steps, **creating code and output** that fulfill each instruction.
4. Be sure to **answer the questions** in this assignment document.
5. When you have completed the assignment, **Knit** the text and code into a single PDF file.
6. After Knitting, submit the completed exercise (PDF file) to the appropriate assignment section on Canvas.

1) Discussion Questions

Enter answers to the questions just below the >Answer: prompt.

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

   Answer: I don't have a lot of previous experience with data analytics and zero experience with R and Git. In my undergrad, I took an introductory statistics class (without R) where we did some basic data analysis. Additionally, I took several chemistry classes and a physics class where we collected data in wet labs and did some analysis afterward. I also took GIS last semester where we took data from several sources (such as USGS) and analyzed it using ArcGIS software.

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

   Answer: I am generally pretty good with numbers. Historically, I've caught on pretty quickly with data analysis tools like Excel and ArcGIS. I'm hopeful that I'll be able to follow along.

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

   Answer: On the other hand, I am not very good with computer terminology. I'm a bit worried that I won't understand a lot of the terms and concepts required to fully grasp the goals of the course. I am also worried that the actual coding itself will be a bit rough for me to get the hang of, especially with the specificity of lines of code (like messing it all up if you just forget a space or a dash). However, I'm pretty good at recognizing when I need help and asking for it!

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, committed those changes, and pushed them to your GitHub account.

Answer: https://github.com/sophiev26/EDE_Fall2024

3) Knitting

When you have completed this document, click the `knit` button.This should produce a PDF copy of your markdown document. Submit this PDF to Canvas