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 Sakai.

1) Finish setting up R Studio

Install TinyTex

Now, run this code cell the same way. This will install "tinytex" – a helper app that allows you to knit your markdown documents into professional quality PDFs.

Set your default knit directory

This setting will help deal with relative paths later on... - From the Tool menu, select `Global Options` - Select the RMarkdown section - In the "Evaluate chunks in directory", set the option to "Project" (If you don't see this option, try restarting RStudio.)

2) 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 worked as a data and GIS specialist for a Southern U.S. social justice non-profit organization. I mainly used Excel and Tableau for my analyses, but used R to analyze Racially Polarized Voting patterns (regressive analyses). I also took a Python course last fall at UNC.

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

Answer: I feel comfortable with many of the terms, thanks to that Python course. I also feel confident in my ability to workshop problems, using online resources like Stack Overflow and the R for Data Science book.

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

Answer: I am not as confident in my theoretical knowledge of statistics, though that is a learning curve.

3) 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/ccerpa/EDE_Fall2023

4) 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 Sakai.