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"

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 took my first course on R in 2016, for "Quantitative Political Methodology", and later used R to analyze data in an experiment I ran in 2018. From 2020-2021, I worked in the NASA Planetary Data System; although my tasks were focused on archival, I was tangentially exposed to data analytics fairly often. My tasks were more on the archival side of things, but I I have since taken ENV 710, 761, and 859, which focused on data analytics and used Git for several assignments.

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

   Answer: I have grown fairly comfortable with coding and expect to do well enough on assignments.

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

   Answer: I'm still somewhat new to Git and don't want to end up clumsily de-syncing my data.

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/AnnabelleWhite/EDA-Spring2023.git

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.