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: I was introduced to R in Environmental Data Analytics last year in Fall 2020. I also had a small introduction to coding in Python during Energy Modeling and Power Markets. To gain more experience, I used some R during my internship with the Federal Energy Regulatory Commission last summer. I primarily calculated summary statistics and made simple tables with ggplot. I also created a few maps by updating a colleague's existing code. I don't have prior experience with Git.

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

   Answer: I feel confident about the first two lessons and data visualization, though I'm excited to improve on the visualization.

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

   Answer: I'm more apprehensive about the data scraping and data wrangling. During my internship, I especially struggled with getting data into a format that was workable in R, specifically parsing dates.

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/stephk27/Environmental_Data_Analytics_2022