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., "Salk_A03_Introduction.Rmd") prior to submission.

The completed exercise is due on Tuesday, January 14th at 1:00 pm.

1) Discussion Questions

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

   Answer: In the spring of 2017 (my final semester of undergrad), I took a life sciences statistics course in which we used some basic R to do statistical analyses. Last semester (Fall 2019), I took Applied Data Analysis for Environmental Sciences (ENV 710) and used R more intensively to complete weekly labs. Prior to entering graduate school, I held a position as a resolution analyst that focused heavily on identifying, reproducing, and troubleshooting errors and bugs (although we did not use R).

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

   Answer: In ENV 710, we covered generalized linear modeling thoroughly. I felt competent in this area at the end of the semester, and I am hopeful that I will be able to confidently build on these skills. I also feel fairly comfortable visualizing data in R.

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

   Answer: I have a little experience with data tidying in Excel, but it has been about four years since I have had to do any raw data manipulation. I am looking forward to learning more about using this skill, but I am also apprehensive; I feel like I have a lot to learn in this area.

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/cmullane94/Environmental_Data_Analytics_2020