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 have looked through Grant McDermott's EC607 from the University of Oregon, found here https://github.com/uo-ec607, where I was first exposed to some of what is going on in R. That is about the most formal R experience I've had, and I only barely got through the first quarter of the course before the Fall semester began. Otherwise, I've done a lot of excel and a decent amount of Python using Calliope https://calliope.readthedocs.io/en/stable/ and a ton of 8760 data from my time as a sustainability analyst/consultant for a structural engineering firm. I feel very comfortable coding and troubleshooting, I just don't know R too well. But feels like it'll be easy to get after. I've also done a bit of stata in PubPol 813 this past fall semester, so I feel moderately prepared for the types of analyses we might be doing.

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

   Answer: Coding! Data interpretation!

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

   Answer: Coding in R! Data cleaning!

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/DavidAmanfu/Environmental_Data_Analytics_2022