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 <January 16, 2022>.

1) Discussion Questions

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

   Answer: My undergraduate studies were in biology and environmental studies, and data analysis was a large component of my coursework and capstone projects. Throughout my time at the Nicholas School I had a course involving data analytics in three semesters and R in two. As for Git, I first gained familiarity with it in Geospatial Data Analytics last semester.

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

   Answer: I feel somewhat confident about the technical coding components. While I feel like I have a relatively decent amount of coding experience, I hope to strengthen my ability to apply those analytical skills.

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

   Answer: I am somewhat apprehensive of time series analyses as I have no prior knowledge of them. Also, while the courseload is unavoidable, I am apprehensive about doing well on my homework assignments as the work on my Masters Project intensifies.

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/shanashapiro/Environmental_Data_Analytics_2022