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: a. I have learned some statistics and R program courses from some websites; b. I took the ENV710-Environmental data analysis(R) last year, finished 10 lab work and a final project; c. In another course, ENV780 Environment Exposure, I used the NHANS data and R to work on a final project. d. I never use the Git, but I have some experience with another version control tool SVN.

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

   Answer: Most of the concepts of our course are familiar to me, I can focus on deeper knowledge. And I am working on a project which is at the stage of data analysis, with a practical problem that will help me to understand the lessons.

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

   Answer: We only have one week, two lessons for time series, spatial analysis, and data scraping, I worry about it is not enough time to absorb these technologies.

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/XiangtianWang/Environmental_Data_Analytics_2020.git