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: I have taken an undergraduate course called Environmental Data Analysis with R. The courses focused on data clean up and subset, and included a little bit data visualization and analysis, e.g. Q-Q plot, etc. I used packages such as ggplot, tidyr, and dplyr. I have no previous experience with Git.

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

   Answer: I am relatively confident about the course content in January

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

   Answer: I am relatively unfamiliar with time series data, spatial data exploration, and metadata.

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/cwangjared/Environmental_Data_Analytics_2020