

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: My previous work with the US Geological Survey exposed me to a lot of data preservation and management practices with some analytical skills sprinkled in. I was a data steward who used GIT a couple of times to coordinate a software release project—this was enough to give me some familiarity with GIT but not muscle memory. I haven’t used R but I used Python to help me clean tabular data.

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

Answer: Documentation (writing CSDGM metadata records), data management and data cleaning were big parts of my USGS job, so I feel solid with those (although always open to learning additional methods).

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

Answer: My knowledge of statistics is lacking..so crunching data and doing statistical analyses on them is intimidating to me but something I recognize is important to learn!

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/jackiefalvo/Environmental_Data_Analytics_2020