

Assignment 1: Introduction

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OVERVIEW

This exercise accompanies the introductory material in Environmental Data Analytics.

Directions

1. Rename this file `<FirstLast>_A01_Introduction.Rmd` (replacing `<FirstLast>` with your first and last name).
2. Change “Student Name” on line 3 (above) with your name.
3. Work through the steps, **creating code and output** that fulfill each instruction.
4. Be sure to **answer the questions** in this assignment document.
5. When you have completed the assignment, **Knit** the text and code into a single PDF file.
6. After Knitting, submit the completed exercise (PDF file) to the appropriate assignment section on Sakai.

1) Finish setting up R Studio

Install TinyTex

Now, run this code cell the same way. This will install “tinytex” – a helper app that allows you to knit your markdown documents into professional quality PDFs.

Set your default knit directory

This setting will help deal with relative paths later on... - From the Tool menu, select **Global Options** - Select the RMarkdown section - In the “Evaluate chunks in directory”, set the option to “Project” (If you don’t see this option, try restarting RStudio.)

2) Discussion Questions

Enter answers to the questions just below the `>Answer:` prompt.

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

Answer: I have limited experience with data analytics from undergrad (which was a few years ago for me so very rusty), no experience with R or Git. I did take a course using Python, but again that was about 3 years ago. I also used MatLab for a research project, again though it was from undergrad so this all feels pretty new to me.

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

Answer: While my previous coding experiences were a while ago, I do remember the joy and relief that comes from figuring out an issue, so I feel confident in my ability to persevere through the pain and frustration until I succeed.

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

Answer: Definitely feeling worried about the learning curve of coding and remembering all the stats, but excited to get into it!

3) 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, committed those changes, and pushed them to your GitHub account.

Answer: https://github.com/maia-g/EDE_Fall2023

4) Knitting

When you have completed this document, click the `knit` button. This should produce a PDF copy of your markdown document. Submit this PDF to Sakai.