Assignment 1: Introduction

Joshua Salzberg

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 Canvas.

1) 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 some minimal understandings of data analytics. I have always enjoyed exploring correlations, whether that's attempting to understand population distributions near railways in Durham via haphazard maps or attempting to briefly analyze the interrelationships between residential construction and rent prices via underbaked regressions. In an undergraduate class I learned how to use R for social media data mining; of that course, I remember how basic R syntax works, but I don't remember the details of ggplotly or pandas. I've never used Git.

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

   Answer: I feel confident that the support of my peers will create a wonderful learning environment. I feel confident that I can learn how to wrangle, process and generate new insights using data.

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

   Answer: I have apprehensions regarding the level of mathematical fluency that might be expected.

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

Answer: https://github.com/fetadata/EDE_Fall2025

3) 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 Canvas