

# 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 used R last semester in ENV 710, as well as in an intro stats course for engineers and a Bayesian Analysis class (both at NC State last year). I have never used Git before. I have had minimal formal data analytics experience outside of keeping track of spreadsheets while working at an engineering company.

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

Answer: I feel like I know how to use R documentation and Google to find ways to make R do things.

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

Answer: I have never used RMarkdown before, but I saw other people have less-than-perfect experiences with it last semester. I also do not know how to use GitHub, so we will see how steep that learning curve is.

## 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/tnh2/Environmental\\_Data\\_Analytics\\_2020](https://github.com/tnh2/Environmental_Data_Analytics_2020)