

# Assignment One

## BSDS Spring 2021

Note: Questions 2 - 4 should be submitted in the Assignments tab in Canvas.

1. Make a post on the Canvas Discussion thread introducing yourself and answering the following questions:

- What motivated you to take this course?
- What major are you? If you know what you plan to do after graduating from USF, feel free to share!
- Anything else interesting about yourself you'd like to share.

2. To better help me understand everyone's background coming into this course please answer the following:

- Have you ever used R before this course? Python? If so, to what extent?
- What is one thing you hope to do with R this semester?

Search online for interesting articles about Data Science to help you answer the following questions. For example, "What is Data Science?" by Cathy O'Neil and Rachel Schutt (found here <https://www.safaribooksonline.com/library/view/doing-data-science/9781449363871/ch01.html>).

3. What, in your opinion, is the biggest difference between traditional statistics and data science? How does technology play a role in this difference?

4. What is machine learning and why can it thought of as a type of "artificial intelligence"?

5. Find an example of an application of data science that had (or is having) unintended consequences. Give at least one reason why this occurred.