All surveys for this project will be conducted in Canvas as an ungraded survey. The survey will be anonymous. Before the student begins the pre-course survey, the recruitment script that is in the **recruitement\_script.docx** file that was submitted as part of this project’s IRB application will be displayed to the student before the student begins the survey.

The survey questions found below will be in the *Module 1 DataCamp survey link* under **Module 1 Building Up R Programming Skills** s. Student responses to the survey will be requested by Sunday January 24, 2021.

In the first two modules of this class, you have completed two DataCamp courses in which you have learned the basics of R; **Introduction to R and Intermediate R**. Please take a few moments and provide your responses to the questions below.

1. Rate your overall experience with the DataCamp courses you have completed thus far in the semester in terms of assisting you master the material in these courses.

Very helpful  Helpful  Moderately helpful  Slightly helpful  Not helpful

1. What are the component(s)/functionality in the DataCamp courses that you have found helpful in assisting you in mastering the material? Select all that apply.

work at your own pace

coding exercises presented in small content pieces

immediate feedback of whether your code is right or wrong

helpful hints for when your code is wrong

being able to code in an internet browser

other (please specify below)

1. What are some components(s)/functionality in the DataCamp courses that you have not found helpful in the DataCamp courses? Please specify.
2. Have the DataCamp courses helped relieve some of the anxiety/discomfort that I had about R programming and coding before I took this class.

Yes  No  I did not have any anxiety/discomfort about R programming before I took this class

1. Please rate your agreement or disagreement with the following statement. “At times when I thought I had mastered the coding tasks in DataCamp, I was surprised at how long it took me to figure out the coding task in RStudio for the class exercises related to vectors, matrices, factors, data frames, and lists.”

Strongly Agree  Agree  Neutral  Disagree  Strongly Disagree

1. If you answered ‘Strongly Agree’ or ‘Agree’ to question #5, please provide your reason(s) as to why you think you were surprised at how long it took you to complete the class exercises in RStudio.
2. Please rate your agreement or disagreement with the following statement. “At times when I thought I had mastered the coding tasks in DataCamp, I was surprised at how long it took me to figure out the coding task in RStudio for class exercises related to relational operators, loops, functions, the lapply function.”

Strongly Agree  Agree  Neutral  Disagree  Strongly Disagree

1. If you answered ‘Strongly Agree’ or ‘Agree’ to question #7, please provide your reason(s) as to why you think you were surprised at how long it took you to complete the class exercises in RStudio.
2. Please rate your agreement or disagreement with the following statement. “I found it difficult to transfer the coding concepts that I learned in the DataCamp course to completing the class exercises in RStudio.”

Strongly Agree  Agree  Neutral  Disagree  Strongly Disagree

1. If you answered ‘Strongly Agree’ or ‘Agree’ to question #9, please provide your reason(s) as to why you think it was difficult to complete the class exercises in RStudio once you completed the DataCamp course.