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 8 DataCamp survey link* under **Module 8 Tidy Data With ggplot2**. Student responses to the survey will be requested by Sunday March 14, 2021.

In Module 8, you have reviewed the three main layers of ggplot2 and have been introduced to the other four layers. You have also explored how to tidy data in preparation for using ggplot2. You have completed a DataCamp course to help you master this material; **Introduction to Data Visualization With ggplot2**. Please take a few moments and provide your responses to the questions below.

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 creating visualizations using ggplot2.”

Strongly Agree  Agree  Neutral  Disagree  Strongly Disagree

1. If you answered ‘Strongly Agree’ or ‘Agree’ to question #1, 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 #3, 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.