Perform the following tasks using R/RStudio and submit **.html file**

Read the data

1. Transform columns so that datatypes are appropriate. Specifically ensure that the CustomerCode variable is formatted as character, any other categorical variable is set as factor, and date column is set as a date type (Date/POSIXIt/POSIXct). **3 points**
2. Display and interpret the summaries for the Quantity and Price columns. **4 points**
3. Display the count of NA values in each column. **1 point**
4. Display a bar chart for Category column. **2 points**
5. Display the Departments and their revenue using a bar chart. Order the bars in a meaningful way. **4 points.** (Hint: You will need to create a new column Revenue by multiplying Price and Quantity.)
6. Create a histogram and box and whisker plot of the Price and Quantity columns. **4 points**
7. Write a short essay (150-200 words) to compare the strengths and weaknesses of (1) Power BI and (2) Alteryx with that of R, for this kind of analysis. You may discuss how each of these fare in terms of replicability, ease of use, cost, ability to share results with others, scalability, etc. **7 points**

Knit the .rmd notebook file to **an .html file** and submit the **.html** file . Name the HTML file as mod4\_peer\_review\_.html.