Stage 2: Method, Plan, Computation Code and Output (individual assignment #2)

Assignment Submission Instructions:

- Please use **point-form full-sentences** in your report to facilitate grading.
- Clearly **indicate your project group number** at the top of your report.
- Use the **correct submission page based on your group number**, otherwise there will be a 10% penalty.
- This is an individual assignment! Every student needs to write and submit their own assignment. However, you are part of a group and at the end of the term you will submit a group report. We encourage you to talk and discuss your ideas with other group members. You don't need to agree or have the same answers. In fact, it will be insightful for the group if you explore the data from different angles.
- Each of you must submit two files in Canvas:
  - The source Jupyter Notebook (.ipynb file)
  - The rendered final document (.html file)
- **Incorporate feedback received in assignment 1 and add the 2 new sections listed below with clear section numbers and titles**
  - Add the new content at the end of your existing notebook containing the data description, question, visualization.
  - At the top of report, just before Section 1 (Data Description), Create "Section 0: TA feedback"
    - include your score and TA feedback for stage 1 report in point form.
  - Revisions to assignment 1 content must be highlighted for easy identification.

What Sections to Add?

Section 4: **Method and Plan**

1. Propose ***one*** method to address your question of interest using the selected dataset and explain why it was chosen. Just a high-level thinking of what model you are planning to use.

- In your explanation, **briefly** respond to the following questions:
  - Why is this method appropriate? (1-2 sentence)
  - Which assumptions are required, if any, to apply the method selected? (1-2 sentences)
  - What are the potential limitations or weaknesses of the method selected? (1-3 sentences)

Note 1: you can relax/expand **your question(s)** from assignment 1, just change them in the corresponding section from previous assignment and highlight the changes.

Section 5: **Computational Code and Output**

In this section you will implement the method suggested in Section 4: Method and Plan.

1. Write computation code to implement the method proposed in Section 4
2. Use ***only one*** visualization or table to report results.
3. In 3 or 4 sentences give a brief interpretation of the results. If needed, comment on any unexpected result or potential problems with the analysis, and possible ways to address issues encountered. If results are as expected, explain how they address the question of interest. ****Do not exceed the 4 sentences limit**.**