Rubric for Assignment 3 - Task 2

Criteria	Correct (2 points)	Needs revision (0 points)
Coding Exercises	The exercise is completed correctly, producing the expected output and correct data manipulation results. A variety of methods can be used to reach the same correct output.	Errors in data manipulation lead to failure to produce correct results for the given exercise or produce error messages.
Criteria	Complete (3 points)	Needs revision (1 point)
Plots and graphs	All graphs are clear, accurate, and effectively convey the intended information. Axes are labeled correctly, titles and legends are informative. The graph style enhances the data's message.	Some elements of the graph may be missing or unclear (e.g., incomplete labels or titles or typos). Accuracy of the graph needs to be improved.
Complete workflow cell	Readability: code follows a continuous workflow, with each step flowing logically. There's appropriate use of indenting, blank lines, comments, and method chaining to increase readability. Meaningful variable names are used. Comments follow the course standards, guide the reader through the workflow, and are not redundant with the code. Consolidation: only the final output of the exercise is displayed or printed. Code runs smoothly without errors or warnings and all code contributes directly to creating the final output. There are no intermediate variables that are only used once and method chaining is used when appropriate.	Readability: code does not flow smoothly as a single, unified workflow and steps may feel disconnected. Long lines of code are not redistributed into multi-line statements for better readability. No comments or comments mostly restate what the code is doing. The workflow would benefit from better formatting and documentation. Consolidation: Intermediate results or print statements appear, reducing the clarity of the final output. Errors or warnings may be present that interfere with the code running smoothly. Unnecessary functions or steps that do not directly contribute to the final output are present. The workflow would benefit from improved code selection.
Open-answer Questions	Explanations are clear, accurate, and demonstrate a deep understanding of code functionality and outcomes of the code.	Explanations are incomplete, incorrect, or show misunderstanding of the code's functionality or outcome.
Commenting Code	Comments are mindful and enrich the code. No comment is an exact restatement of the code. All comments follow the course's standards. In particular, all comments follow proper syntax, spelling, and are concise and clear.	Minimal, incorrect, or unclear comments. Some comments do not fully follow the course's commenting standards (e.g., overly verbose, improper syntax, typos, rewriting code in comment). Redundant comments.
Criteria	Complete (2 points)	Apply feedback to next assignment (1 point)
Git Commits	Meaningful commits are made every time a major step is finished. All commits are concise, informative, and free of slang or personal comments.	Commit messages are unclear, are too casual, or are unrelated to the changes made.

* If no answer or solution is attempted for an exercise (plots and graphs, complete code cells,			
open-answer questions) then that question will receive zero points.			