# Rubric for Assignment 1 - Tasks 2 &3

| Criteria | Correct (2 points) | Needs revision (0 points) |
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| 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. |

| Criteria | Great (4-2 points) | Needs revision (3-1 points) |
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| Plots and graphs | Maximum points vary by exercise. 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. | Graphs are mostly clear and accurate, but some elements may be missing or unclear (e.g., incomplete labels or titles or typos). Graphs still effectively communicate the main ideas. |

| Criteria | Great (3 points) | Can Improve (2 points) | Incomplete (1 point) |
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| Open-answer Exercises | Explanations are clear, accurate, and demonstrate a deep understanding of code functionality and outcomes of the code. | Explanations are mostly accurate but may lack detail or show some misunderstanding of the code's functionality or outcome. | Explanations are incomplete, incorrect, or show significant misunderstanding of the tasks and code used. |
| Commenting Code | Every code cell is commented following the course's standards. (We'll err on the side of commenting too much on this first | Most code cells are commented. Some cells do not fully follow correct syntax or have spelling | Minimal or no comments, or comments do not follow the course's commenting |

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| | assignment.) All comments follow proper syntax, spelling, and are concise and clear. | mistakes. Some comments are unclear. | [standards](#) (e.g., overly verbose or improper syntax). |
| Git Commits | Made at least 5 meaningful commits at logical points of progress. All commits are concise, informative, and free of slang or personal comments. Imperative mood is used when appropriate (ex: "solve exercises 1-3" instead of "solved exercises 1-3"). | Made 3–4 commits, with adequate commit messages. Some may not be in the imperative mood when possible or lack clarity. | Fewer than 3 commits, or commit messages are unclear, are too casual, or are unrelated to the changes made. |