**Rubric for Coding Assignments**

This is the rubric for the coding assignments. The specific deliverables for each assignment will be detailed in each assignment description.

Assignment Rubric

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| **Category** | **Exceeds**  **Expectations**  **(85-100)** | **Meets**  **Expectations**  **(75-84)** | **Needs**  **Improvement**  **(65-74)** | **Below Expectations**  **(0-64)** |
| Code execution (25%) | The program works as expected with no error messages and no warnings.  The processing time is appropriate for the problem complexity. | The program works as expected with no error messages, but a few warnings.  The processing times is a little high for the problem complexity; | The program has a few errors and maybe a few warnings, but the errors are easy to fix.  The processing times are very high for the problem complexity. | The program has multiple error messages, which are not easy to fix.  The processing times are extremely high for the problem complexity. |
| Clarity of the code (25%) | The code is clear and has pertinent comments | The code is somewhat clear and has some comments | Most of the code is not clear and has very few comments | The code is unclear and has no comments. |
| Proper documentation of the notebook  (50%) | - Describe the  method clearly and presents the proper equations (if appropriate)  - Presentation is concise  - Uses a sound  experimental setup | - Describe the  method somewhat clearly and presents some equations (if appropriate)  - Presentation is somewhat concise  -Uses an experimental setup that seems correct | - Describe the  method superficially and in a convoluted way. There are no equations (if appropriate)  - Presentation is not concise  - Uses an experimental setup that is not the most appropriate to  assess the methods | - Does not describe the method or the method is described incorrectly  - Presentation is not concise and the content is not appropriate  -Uses an experimental setup that is inconsistent |