

## General Assignment Guidelines for Data Mining

In addition to providing the answers to the questions in each assignment, you are expected to adhere to some general guidelines. To provide clarity and insight, a small summary of these guidelines is provided below. Note that points will be deducted if these guidelines are not adhered to. Although some of these guidelines may seem harsh, they will lead to a better, more comprehensive report.

- Missing or unexecutable code
  - If code is missing or can't be executed, no points will be awarded for the corresponding question.
- Incorrect importing of data
  - If you imported data incorrectly, for example by not using relative paths, 0.25 points will be deducted, up to a maximum of 1 per assignment. Only if this can be trivially fixed will points be deducted in this manner, otherwise it will be treated as inexecutable code.
- Incorrect naming of variables
  - Often, we specifically request results to be saved to a set variable name. If this is done incorrectly, we can subtract 0.2 points per case, up to a maximum of 2 per assignment.
- Using incorrect methodology
  - We often request you use specific functions to accomplish tasks. We ask you to use these to learn you good practice, or because that type of output is required for our autograding system. If you do not use the requested functions, we can subtract 0.2 points per case, up to a maximum of 2 per assignment.
- Removing autograder cells
  - If for any reason, autograder cells are removed, and the assignment can't be graded, no points will be awarded for the assignment.
- Incorrect/missing metadata
  - Using online collaboration tools such as, but not limited to, Google Colab, can lead to the removal of nbgrader specific metadata. This can be circumvented by not exporting notebooks from the online tool, but by copying code into a Jupyter Notebook running on your Anaconda installation.

## Figures: (See example figure notebook)

- Every graph should include axis labels (So the X-Axis might be labeled with "Time" and the Y-Axis might be labeled with "Velocity")
  - 0.125 points may be deducted per figure with missing axis labels. (up to a maximum of 0.5 per assignment)
- Every figure or table should be supplied with a caption, containing an adequate and comprehensive figure description.
  - Make sure to describe what can be seen in the figure. What data is visualized? If there are multiple graphs or colored dots used, what do they signify? A figure and its description must be self-explanatory without other (textual) context.

- If there are different colors used within a plot, use a legend to indicate which color indicates what.
- 0.125 points may be deducted per figure with missing, or several lacking, captions and/or legends (when applicable), up to a maximum of 0.5 per assignment.