Post-Mortem

CS135 Fall 2023, Assignment 01

General Style Errors

- Some students misplaced the order of parameters in function definitions which led to unexpected results. Always double check the order in which you use the parameters!

- Using non-descriptive identifiers can make your code harder to read and understand. Choose names that are both concise and descriptive. For example, instead of ag, using assignment-grade would be a more descriptive choice.

Question 2 (functions)

- Some students did not use the correct order of operations in their function implementations (in manhattan-distance, for instance).

- In Q2d, many students neglected to define the gravitational constant as a constant.

- In Q2f, some students misunderstood that the built-in log function in Racket uses natural logarithm (ln).

Question 3 (conversion)

- Many students neglected to define constants for the given unit ratios.
  - For instance, meters in a mile, meters per Smoot, etc.

- In Q3a, some students simply did not utilise the parameter that stood for miles per hour in their function implementation.

- In Q3b, when converting, some students used division when they should have used multiplication, or vice-versa.

Question 4 (grades)

- The assessment weights should be defined as constants.

- The question specifically mentions that the parameters should be consumed in a specific order, so the parameters must be ordered as mentioned in the question.

- Some students forgot to convert the marks into percentages.