

Homework 1

Overview

This assignment is to be completed individually. I will use your responses to help assign partners.

Grading

- Uploaded requested files, 5%
- File is properly/clearly formatted, 5%
 - Proper section headers for each part of your homework.
 - You clearly indicate which question each of your responses are associated with.
- Part A. 10%
- Part B. 20%
- Part C. 10%
- Part D. 50%

Deliverables

- .pdf file with your responses

Formatting

In the document that you turn in for this homework, **include a heading for each Part**. Ensure that you **clearly** indicate which question each of your responses are associated with.

Part A. Syllabus

1. Read the course syllabus (posted on blackboard). For this question (on the document that you turn in), confirm that you have read the syllabus.
2. Read the academic honesty policy for the GVSU School of Computing: <https://www.gvsu.edu/computing/academic-honesty-30.htm>. For this question (on the document that you turn in), confirm that you have read and agree to abide by the academic honesty policy.

Part B. About me

There are no right or wrong answers here. For full credit, respond with complete sentences (2 - 3 is probably all you need).

3. Why are you taking this class and what do you hope to get out of the class?
4. Think about your major and/or career goals. What kinds of data would it be useful to be comfortable analyzing? What kinds of insights would you want to gain from the data?

Part C. Group survey

For all homework assignments after the first two, you will have the option to work with a partner. I strongly recommend that you work with a partner. However, if you would still prefer to work alone for the semester, that is fine.

Do not worry if you don't know anyone else in the class, I will take care of group assignment. See the syllabus for group policy. Your responses to these questions will help me to assign partners.

5. Would you like to work individually or with a partner?
6. If you would like to be assigned a partner, is there anyone in the class that you would like to be in a group with? (the request should be mutual to guarantee that I match you)
7. If you would like to be assigned a partner, is there anyone in the class that you would **not** like to be in a group with?
8. If you would like to be assigned a partner, would you be okay with a third group member if there are an odd number of individuals who want to work with a partner?
9. What grade do you expect to earn in this course?
10. Do you have any prior programming experience? If so, what programming languages do you have prior experience with?
11. What data analysis software (if any) do you have experience with?
12. What do you consider to be your strengths? E.g., coding, writing, searching/reading reference material, organization, etc.
13. Are you able to bring a computer to class to work on in-class activities using data analysis software?

Part D. Data

For this part of your homework, identify a source of “big data” that you find interesting.

14. What source of big data did you choose and why?
15. Imagine you have a dataset from the source you identified. What do the objects in your dataset represent? Describe at two attributes that each object in the dataset would have.