Assignment 1

Choose from among the topics listed in the class Discussion Board for this assignment.

- first-come, first served choice---discussion post earlier gets the topic choice
- work in a group of three, and choose one of you to email me to confirm your names
  - you will need to choose different people to work with for the next assignment, and again for the last assignment
- your team will need to decide how you would like to split your work
  - do not do the work claimed by others in your team if they do not do it
- the submission for this assignment can be a report, or an implementation of algorithms and their analysis or empirical experiment

If you would like an early start on midterm, then consider presentation slides you might make to communicate your Assignment 1 submission to the rest of the class. You may use any program or encoding you like to make PDF slides for the midterm, even the format I am exploring for this course---and I would encourage web development integrated directly into your presentations if you have skills with JavaScript and/or more.

Rubric

10 marks total (marked individually per team member)

- [1 mark] plan and logging of work
  - e.g., git log and Kanban task board
- [2 marks] references / citations
  - e.g., any format will be fine, APA, MLA, etc.
  - place in README.md file if code, or place at end of report in bibliography
- [1 mark] apply the analysis framework, or collect others' analysis results
- [4 marks] one of the following
  - implementation,
  - or statistical experiment,
  - or writing about a collection of topics surrounding a data structure / problem
    - majority of the writing is yours---not simply copying quotes / AI as filler
- note that members of group can overlap in choice, but then must use different algorithm / implementation, or different programming language, or different computer hardware comparison, or different subtopic
  - in other words, not duplicating someone else's work
- [2 marks] debugging / testing code, or logical reasoning in your writing

Submit files together in zip folder by Sep 20 before end of the day. One day late is 10% penalty.