

Empirical Analysis

Prewords

- Deadline for submission is 12-10-2017 11:59 PM (PST).
- Please submit at moodle.
- This is NOT a group assignment!!! You are allowed to ask everybody and use every kind of help - BUT you need to submit your own solution.

Task

Read chapter 2.6 (Empirical Analysis of Algorithms) in your textbook.

Create a report on average case analysis for each of your labs JT (Permutations) and BF Minchange Knapsack (Subsets). What is the complexity of your average running time?

Your report should include the following sections:

- a) **Problem Statement:** what is the empirical analysis about
- b) **Experiment setup:** how is your experiment look like, what kind of variable are you changing, how many time do you repeat an experiment with a specific set up to get validate results, ...
- c) **Result:** your results + visualization of it
- d) **Conclusion:** a little conclusion

Upload your report as pdf at moodle.