January 2024 CSE200

Assignment I

In this assignment, you will reproduce some portions of a recently published research paper. We have chosen some very prestigious (ranked A* or A) conferences for you, as you can find here. Let's say you have been assigned "SODA 2023", an acronym for the 2023 instance of the Symposium on Discrete Algorithms. Your first task will be google for "SODA 2023 Proceedings" to find a page like this. Skim through the titles listed there and choose a paper that you seem to like (by your interest or sheer randomness). Once you select a paper, download it and tabulate the title in the shared spreadsheet. Everyone must choose a different paper. Use the "protect range" feature so that nobody can modify your choice.

Now, enjoy reading the paper and start "reproducing it" while heeding the instructions listed below:

1. However your original paper might be formatted, your submission will be based on the Elsevier preprint format. To ensure that, start your LaTeX file with the following snippet:

   ```
   \documentclass[preprint,11pt]{elsarticle}
   \usepackage[margin=2.5cm]{geometry}
   ```

2. Copy the title, authors' information, and abstract as it is in the paper.
3. Start an introduction section. However, do not copy anything verbatim here. Instead, summarize your understanding in 5-6 sentences.
4. From the second section onward, reproduce it verbatim.
5. In the case of figures in the main paper, taking screenshots would suffice.
6. In the case of algorithms/tables in the main paper, you have to reproduce them.
7. Follow the `{ieeetr}` citation style.
8. Your reproduced text has to be at least four pages (in your format), containing at least seven references and at least one table/algorithm. That is, you do not have to reproduce the entire content.

The deadline for filling up the spreadsheet is *Saturday, September 14, 2024, 11:55 PM* and the deadline for submitting the assignment is *Friday, September 20, 2024, 11:55 PM*. Put your paper's PDF, your .tex and .bib file(s) in a directory named by your 7-digit student ID. Zip the folder and submit it in MOODLE.

Even though the primary goal of this assignment is to ensure your learning of LaTeX, utilize this assignment as an opportunity to explore a highly sought-after research field. Happy learning!