CS 194: Keshav's First Pass

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1 Introduction

As an exercise in reading academic papers and creating LaTeX documents, you will apply Keshav's first pass (from Keshav's paper on How to Read a Paper) on three (3) papers of your choice, from a compiled list of computer science related papers. The papers are numbered and grouped together based on different categories in theoretical CS, computer engineering, and applications. Links to the paper list and paper directory are provided on the class website.

To review, Keshav's First Pass is as follows:

1. Carefully read the title, abstract, and introduction.
2. Read the section and sub-section headings, but ignore everything else.
3. Read the conclusions.
4. Glance over the references, mentally ticking off the ones you have already read.

And then you have the five C's:

1. *Category:* What type of paper is this? A measurement paper? An analysis of an existing system? A description of a research prototype?
2. *Context:* Which other papers is it related to? Which theoretical bases were used to analyze the problem?
3. *Correctness:* Do the assumptions appear to be valid?
4. *Contributions:* What are the paper's main contributions?
5. *Clarity:* Is the paper well written?

Create a PDF document using LaTeX, containing your answers to the five C's for each paper. In addition, if the paper you chose has figures or equations in it, include one figure/equation as well. If there are no figures in your chosen paper, include a picture of an endangered animal of your choice.

2 Specifications

Create a PDF document with the following preamble details:

- **documentclass:** article
- **Title:** CS 194: Keshav's First Pass
- **Author:** ⟨list of full names⟩ (⟨Group Name⟩)
- **Date:** ⟨date you created your document⟩

What follows next are three sections, with each section containing information for one paper. The details for each section are:

1. Start each section on a new page. Set the section name to the title of the paper, along with the paper number (enclosed by parentheses).
2. Provide your answers to the five C's described above, in the form of an unordered or ordered list (check this link). Two to five sentences for each item will do.
3. Include an image or an equation from the paper, as a figure (figure environment).

If you are opting for an equation, recreate the symbols using math mode. In case there are no images/equations in the paper, include a figure with an image of an endangered animal. Copy or add a caption for the figure.

Lastly, include the table of contents and appendix to your document. The requirements described above are the bare minimum for this exercise. Feel free to explore LaTeX functionality and apply what you have learned.