COSC431 Assignment 2: Research Review

PREAMBLE

This assignment is worth 30% of your final grade. Written answers will be formatted according to the *ACM proceedings format* and **emailed** as a **PDF**. ACM templates are available here: https://www.acm.org/publications/proceedings-template

PART 1: REPORT 30%

DUE DATE: 20 May 2024

Information retrieval is such a broad field that there is no practical way to expose everyone to all of it. Equally, what I find interesting is not necessarily what you find interesting. For this assignment you are to find an information retrieval topic of interest to you and write a report on it.

Do this:

Choose, from the list of sources below, a paper that was published in the last 18 months (I must not be an author). Choose at least two additional related papers from reputable sources on the same topic (for example from the references of your chosen paper).

Write a report of **exactly four pages** on the topic of your choice. Your report will have at least a **title**, **abstract**, **introduction**, **conclusions**, and **references** (you will have to reference your chosen papers). The references will be formatted according to the ACM proceedings format (see any SIGIR paper for an example).

In your report you should outline the **research questions** and **main contribution** of each paper you select. You should discuss **how the papers you chose are related to each other**. Finally, you should formulate **two new research questions** in the area and discuss how you would **design and conduct and experiment** to test your new research questions (and discuss your **expected results**).

List of sources

Journals

- ACM Transactions on Information Systems (TOIS)
- Information Processing & Management (IP&M)
- Journal of the American Society for Information Science and Technology (JASIST)
- Information Retrieval Journal (IRJ)

Conferences

- Annual ACM Conference on Research and Development in Information Retrieval (SIGIR)
- Conference on Information and Knowledge Management (CIKM)
- Australasian Document Computing Symposium (ADCS)
- European Conference on Information Retrieval (ECIR)