Week 4: Literature Search

CMPSC 110, ERSP

Ziad Matni, Fall 2023

Administrative

Reminder: The CS Department has its Quarterly "Speed Advising" sessions going on **TODAY**(!!) from **2:00 pm thru 6:00 pm**.

Begins at HFH 1132 (the large conference room)

Several CS Profs. will be there for you to talk to!

This (and next week's) Submissions

Submit the next 3 assignments as PDFs to Gradescope

- Generate the PDFs from Overleaf
- One per Group

As usual,

keep track of who is doing what and reflect this in your logs

Research Proposal

Literature Search

aka Literature Review, aka Related Work

Why is it an important part of a research project? What question(s) does it answer for the reader?

BTW, what parts in the box should be part of a research proposal?

Abstract
Introduction
Literature Review / Related Work
Methodology
Implementation / Findings / Results
Discussion of Findings
Limitations and Future Work
Conclusion

What Goes Where?

Disclaimer! There's flexibility in these assignments and even in what different papers call these sections, but the flow is almost always as shown...

Abstract

►Introduction

Literature Review / Related Work

Methodology

Implementation / Findings / Results

Discussion of Findings

Limitations and Future Work

Description of "what is this about?"

Description of "what do we know about this?"

Description of hypotheses (or research questions, or expectations) (if any)

Description of approach(es) to solve the problem

Description of algorithms used (if any)_____

Description of mathematical/statistical methods used (if any) -

Description of "how we built this study?" or "what experiments did we set up?"

Description of "what did we find?"——

Graphs, data tables, diagrams, visualizations to describe "what did we find?"

Evaluating "what did we find?"

Comparing "what did we find?" with our hypotheses-

Critiquing "what did we find?" or "what did past works find?"

Description of "why were our hypotheses not valid?" or "what can we do differently?"

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