

Reading Assignment 3

COMP 550, Fall 2023

Due date: Nov 24, 2023 9:00pm

Read the following paper and write a critical summary of it:

Levesque et al., 2012. The Winograd Schema Challenge. *Proc. Thirteenth International Conference on Principles of Knowledge Representation and Reasoning*.

<https://cdn.aaai.org/ocs/4492/4492-21843-1-PB.pdf>

Your summary should include a description of the paper's contents, its strengths and limitations, and any points that you did not understand. Since this paper discusses techniques that are not covered in the lectures, I expect that there will be concepts that you do not understand! Do not worry, and document this in your write-up.

Also, discuss the following issues in your writeup:

1. Compare the tasks of the Turing Test, Recognizing Textual Entailment, and the Winograd Schema Challenge along any salient dimensions you deem important.
2. The proposed dataset and task here are substantially motivated by *how* systems might solve it. For example, WSC tests should be Google-proof. Why is this important? What are the advantages and disadvantages of motivating a task this way as opposed to by a downstream use case (e.g., machine translation or summarization)?
3. Since the publication of the paper, it turns out that large language models trained on the Internet can solve WSC with high accuracy. Does this mean that LLMs can think "in the full-bodied sense we usually reserve for people"? Why or why not?

Your summary should be **at most 1 page**. It will be graded on the basis of its coverage, linguistic quality, and clarity of argumentation.

Resources

- Jason Eisner's guide to reading papers: <https://www.cs.jhu.edu/~jason/advice/how-to-read-a-paper.html>