

Meaning Beyond Truth Conditions Evaluating Discourve Level Undestanding

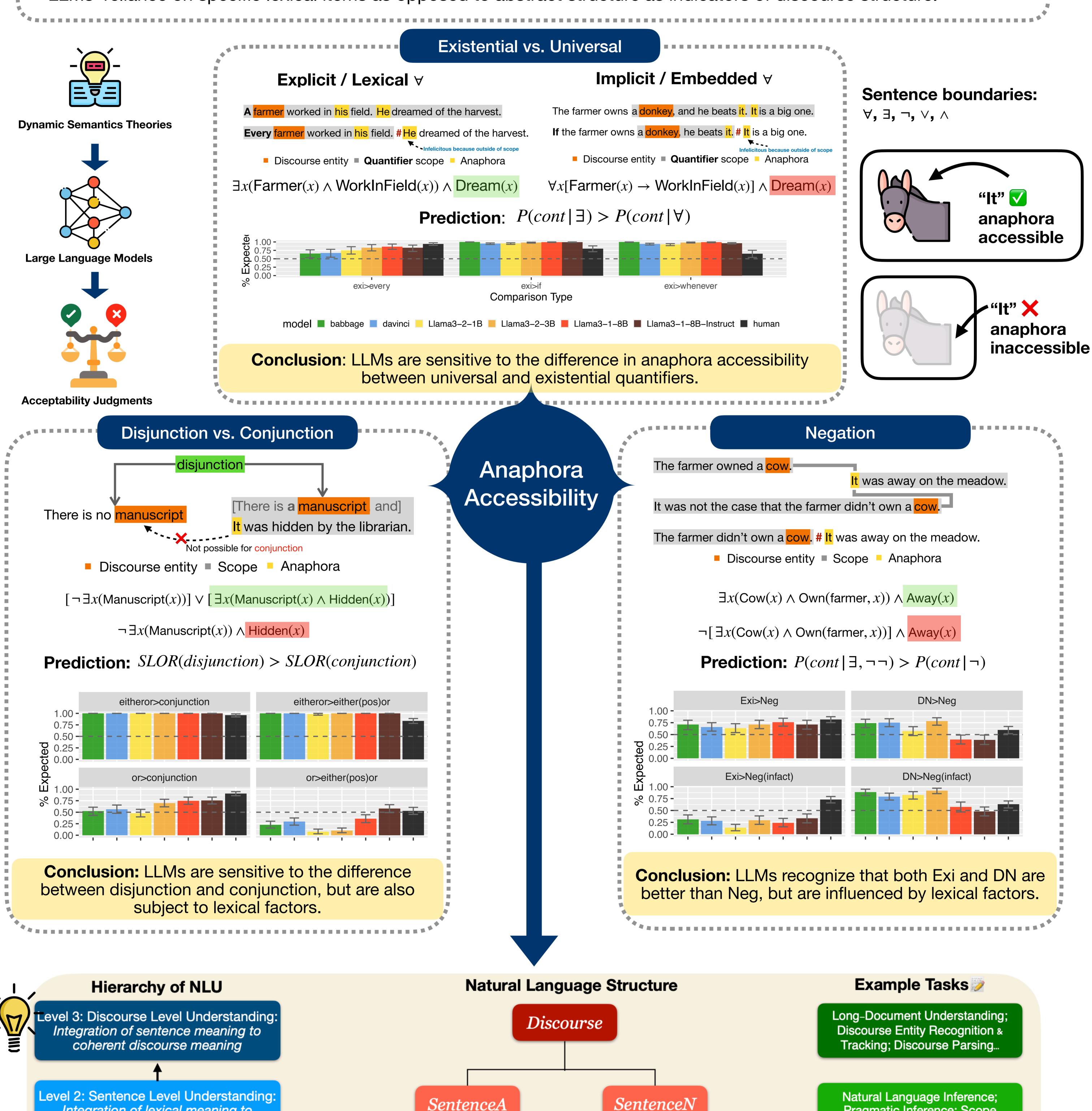
via Anaphora Accessibilities



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TL;DR

- We present a hierarchy of natural language understanding abilities and argue for the importance of the discourse level.
- We propose the task of anaphora accessibility and develop an evaluation dataset inspired by theoretical research in dynamic semantics.
- We find that LLMs and humans align on some tasks and diverge on others, and such divergence can be explained by LLMs' reliance on specific lexical items as opposed to abstract structure as indicators of discourse structure.



SentenceA

 w_2

. . .

Integration of lexical meaning to

coherent sentential meaning

Level 1: Lexical Level Understanding:

a word's extension and intension

Pragmatic Inference; Scope

Ambiguity...

Word Sense Disambiguation;

Taxonomy Construction; Lexical

Entailment; Analogical Relation...