

Examples of Challenges

- Word-level ambiguity:
 - “design” can be a noun or a verb (ambiguous POS)
 - “root” has multiple meanings (ambiguous sense)
- Syntactic ambiguity:
 - “natural language processing” (modification)
 - “A man saw a boy with a telescope.” (PP Attachment)
- Anaphora resolution: “John persuaded Bill to buy a TV for himself.” (himself = John or Bill?)
- Presupposition: “He has quit smoking” implies that he smoked before.