Constituency Parsing



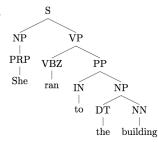
Syntax

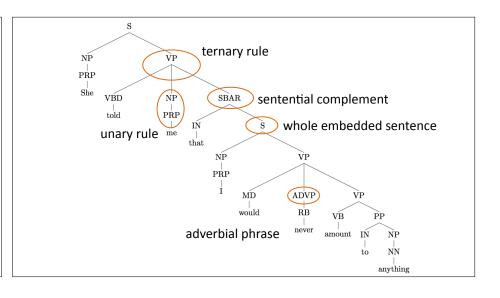
- ▶ Study of word order and how words form sentences
- ▶ Why do we care about syntax?
 - ▶ Multiple interpretations of words (noun or verb? Fed raises... example)
 - ▶ Recognize verb-argument structures (who is doing what to whom?)
 - ▶ Higher level of abstraction beyond words: some languages are SVO, some are VSO, some are SOV, parsing can canonicalize

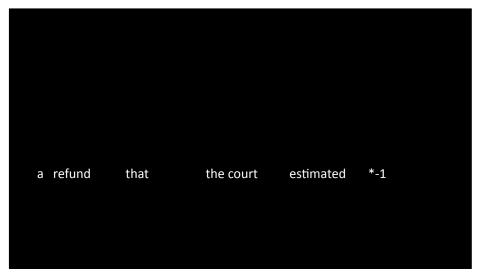


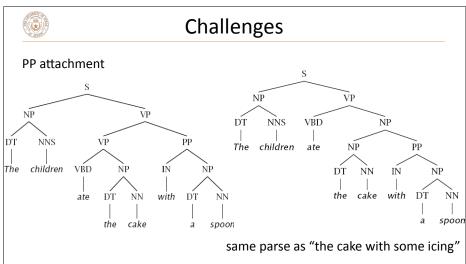
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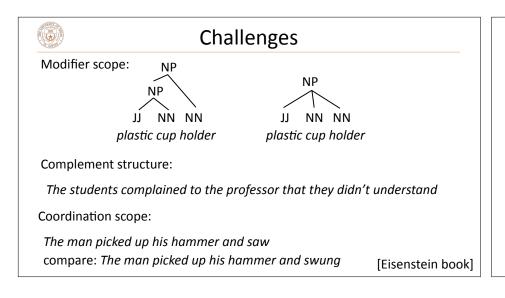
- ▶ Tree-structured syntactic analyses of sentences
- Constituents: (S)entence, (N)oun (P)hrases, (V)erb (P)hrases, (P)repositional (P)hrases, and more
- ▶ Bottom layer is POS tags
- Examples will be in English. Constituency makes sense for a lot of languages but not all

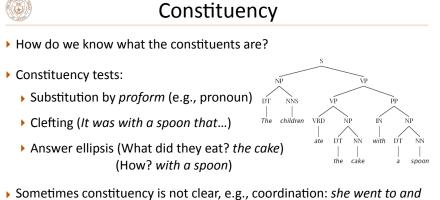












bought food at the store