

HW #9

Goals

- Explore issues in pronominal anaphora resolution.
- Gain familiarity with syntax-based resolution techniques.
- Analyze the effectiveness of the Hobbs algorithm by applying it to pairs of parsed sentences.

Task

- Given pairs of sentences as context:
 - Resolve the pronoun(s) in 2nd sentence
 - By stepping through Hobbs algorithm
 - Detail J&M, p. 704-705; Slides 14,15 (3/2)
 - Parsing: automatic
 - Step through may be:
 - **Manual**, or
 - **Automatic** (extra credit)
 - Assess prediction of antecedent (manual)

Notes

- For implementation,
 - Can use any NLTK tools for parse tree manipulation
 - As long as they don't directly implement Hobbs
 - May create lookup table for agreement
- Two results files:
 - One for all automatic processing
 - Other for remaining manual steps
 - Based on copy of first

Notes

- Last assignment posted – Due March 15
- Course evaluation web page posted:
 - Please respond!

• THANK YOU!