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W4 Summary

Dependency Parsing - know relations between words

Slides: http://bit.ly/6101-nlp-w4

Syntactic structure - Constituency

- Constituency = phrase structure grammar = context-free grammars (CFGs)
- Write rules on grammar

Syntactic structure - Dependency

- Dependency structure shows which word depend on other words
- Relations between lexical items (Tree)
- Think about the assumptions about your POS tags/relations (they are also done by humans - may have bias)
- Various Methods of Dependency Parsing
- Transition-based Dependency Parsing vs Neural Dependency Parsing

Questions asked:

1. Why do we use L2 regularization?
2. Why is important to have lower weights?
3. What is dropout in neural networks terminology?
4. Why do we need dependency parsing?
5. Why do we bother with dependency parsing/POS tagging?
6. What is a use of dependency parsing?

Example: POS tagging --> Dependency Parsing --> Named Entity Recognition

Refer to links in the slack for the answers to questions.