Dependency Parsing

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1 Introduction

1.1 Phrase structure

- words

- phrases

- Bigger phrases(sentences lol)

- Also called Context Free Grammer(CFG). Building structure for the language using Noun(N), Verb(V), Verb Phrase(VP), etc.

1.2 Dependency structure

- Words depend on other words.

- Why do we need all this?

  - Understand language structure

  - Need to know wat is connected is to what.

2 Ambiguities

2.1 Prepositional phrase attachment ambiguity

- Occurs when you have PP before a Noun or Noun Phrase or a Verb.

2.2 Coordination phrase ambiguity

- Example: Doctor: No heart, cognitive issues.

2.3 Adjectival Modifier Ambiguity

- Example: Students get first hand job experience(looool)

2.4 Verb Phrase attachment ambiguity

- Example: Mutilated body washes up rio beach to be used for olympics

3 Dependency Grammar

- Syntactic structure between lexical terms (normally arrows called *depedencies*)

- Arrows have the relationship type between the two words. They connect *head* and the *dependant* of the dependency

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