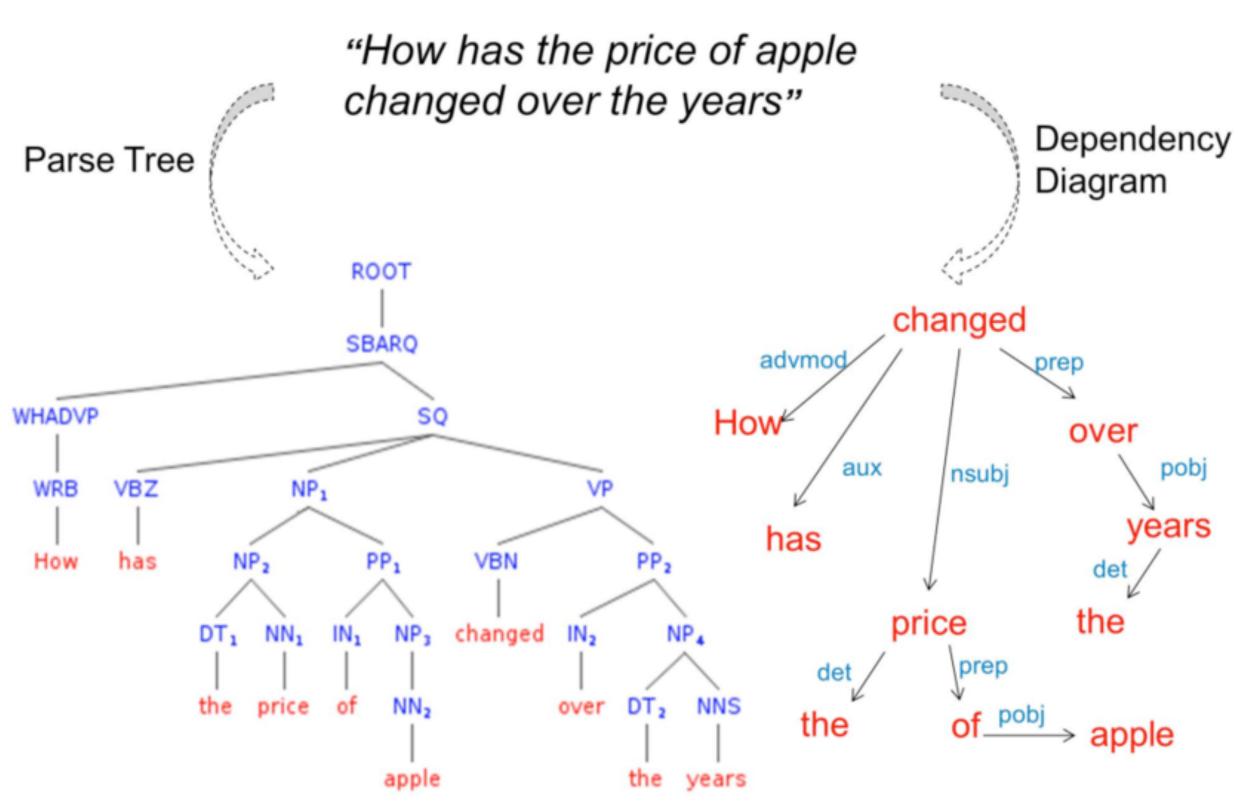
NLU pre 2010

Based on syntactic parsing

- Maps text to a structured representation, or logical form, over which rules-based and/or probabilistic reasoning can be conducted to achieve some task
- Relies on POS tagging, which are annotations of words in a sentence with their syntactic roles
- Not robust to variations in raw input!

Notable successes

- Eliza (1966)
- IBM Watson (2011)



Parts of speech (POS)

Noun

Verb

Pronoun

Adverb

Adjective

Conjunction

Preposition

Interjection

names

Action

Used for noun

Modifies V, Adj, Adv

Modifies noun

Joins two things

Relation of noun

An outcry

girl, dog, prestige

swim, become

I, you, we, they

happily, extremely

sad, clever

and, but, while, whereas

to, from, into

ouch, oh, alas