Thesis presentation

Anna Jonsson

December 3, 2019

"The man saw the woman with a telescope."

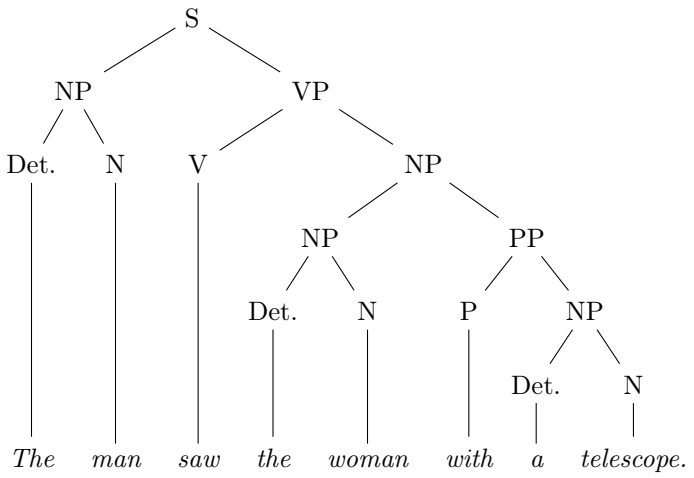
There are two ways in which we can interpret this sentence.

1. The man used a telescope to watch the woman.
2. The man saw a woman who had a telescope.

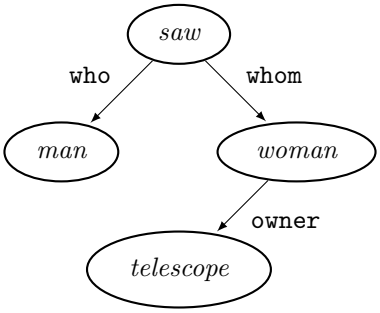
Let us choose the nicer interpretation, i.e., that the woman had a telescope.

How can we emphasise that this is the interpretation we chose?

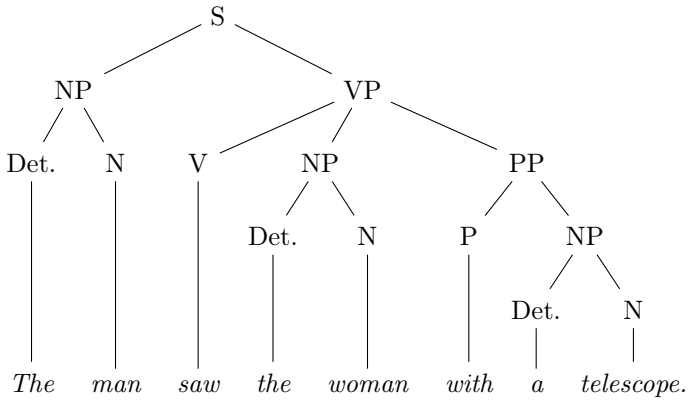
Then, the tree will look like

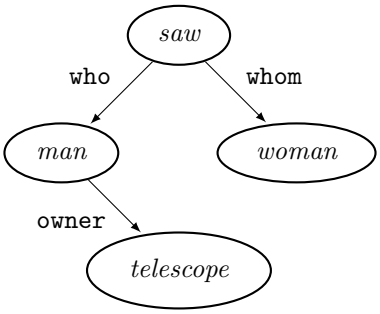


and the graph will look like



But then, the next sentence of the text might be "Sam, as he called himself, was an experienced stalker."





Translation systems are often trained on huge amounts of data.

What model do we train?

Formal devices Automata or grammar.

Neural networks Node swamp.

The formal devices are rule-based, and easily interpreted by humans. We can use this fact to ... .

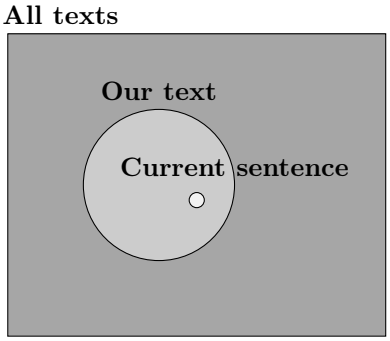
...

As we read the book, we can add more information to the characters, places or whatever in our semantic graph.

If we are to translate a book, then we can use the context of the book to create the input (trees and graphs contain more information than sentences) to the translation software which probably is a neural network.

To translate a sentence, it would be nice to have an interlingua, i.e., a language

So, we use different levels of information to get the best result that we can.



And finally, what is our contribution to all of this? Not much, to be honest ...