Parsing Analysis

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Constituent parsing is a good way to represent the parts of speech of a piece of text, including the composition of phrases within other phrases. However, the relationships between these phrases or parts of speech is hard to distinguish since only parenthood is shown between phrases and parts of speech - relationships between different phrases can't be shown.

Dependency parsing makes up for what constituent parsing lacks in: it shows the relationship between different parts of the sentence. It also shows parenthood through dependencies, although not in the same way that constituent parsing would in that dependency parsing shows relationship from the main predicate.

Lastly, semantic role label parse is a simplified aggregation of the other two. The classification is built on identifying by the different roles present in the sentence in relation to predicates, so relationships are easily shown. Being shallow, semantic role label parse does not identify smaller classifications than roles.