

Alexis Jennings
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Sentence Parsing

My example sentence was, "Before laying down for a nap, my large, fluffy cat played with a toy mouse in the living room."

PSG parsing is the most straightforward and general-purpose of the three parsers. If an application needs specific parts of speech in a sentence, it is the best one to generate that. It also helps in identifying the overall phrases of the sentence. However, PSG parsing is not effective at describing how parts of the sentence relate to each other, which could aid in an application analyzing the semantic meaning of a sentence. Dependency parsing is much better at doing this, as it describes how words are related to other words, or "depend" on other words, in the sentence. Dependency parsing has the opposite problem of PSG parsing: the parts of speech given are much more general. SRL parsing serves a different purpose entirely: giving the "who, what, where, when, why, and how" of a sentence. While it is not great at identifying specific parts of speech, or aiding in the analysis of the semantic meaning of a sentence, it is good at identifying how phrases of a sentence can describe the overall meaning of the sentence, as well as the context of the sentence.