



Sentence Parsing

In this assignment, we will understand the concepts related to sentence syntax and understand the three types of sentence parses: PSG, dependency, and SRL.

The sentence we will use for the example.

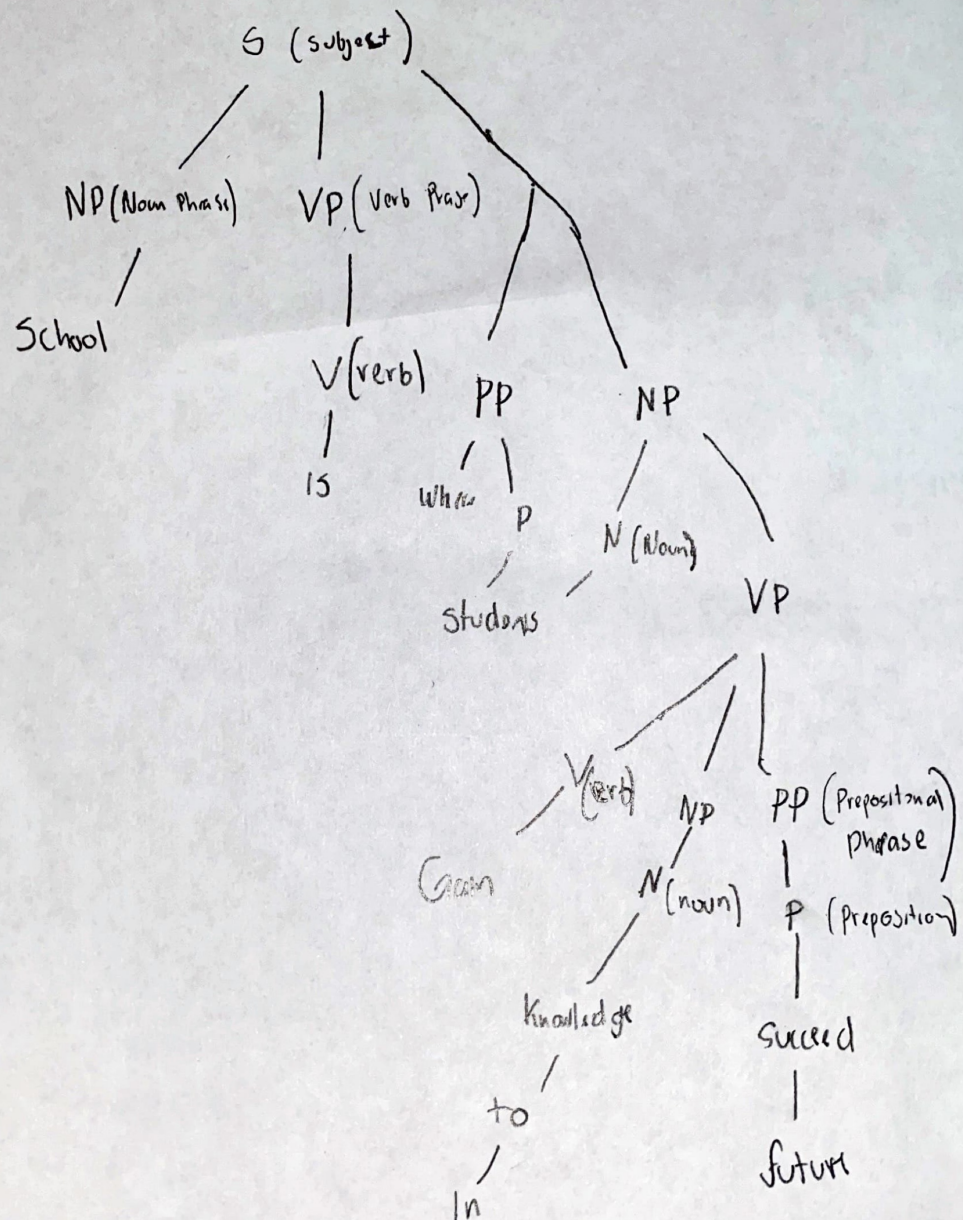


School is where students gain knowledge and skills, preparing for their future success

PSG Tree

School is where students gain knowledge
to succeed in the near future

PSG



School is where students gain knowledge and the
near punct

NP (Noun Phrase) ← VBZ (Verb) WRB (Wh-word) NNS (Noun) VBP (Verb) NN (Noun) CC (Conjunction) NNS (Noun) VBG (Verb) IN (Preposition) PRP (Pronoun) NN (Noun)

School is where students gain knowledge and skills, preparing for their future success.

Handwritten diagram illustrating the decomposition of the sentence "School is where students gain knowledge and skills, preparing them for their future success" into three frames:

- ARG1**: School is where
- ARG2**: students gain knowledge and skills
- ARG1-PRD**: preparing them for their future success

The diagram shows the original sentence at the top, with arrows pointing to the three frames. Below the frames, the sentence is rewritten as "School is where students gain knowledge and skills, preparing them for their future success", with the three frames highlighted in circles.

3 frames got detected in my sentence. The verbs start by describing the schools and students and then try to interpret the sentence of both as a whole

Pros and cons of each graph

PSG Tree

Pros:

Captures an easy-to-follow breakdown of a sentence

Cons:

One may have to expand too many times in extensive sentences to reach the desired place.

Dependency Graph

Pros:

Shows the grammatical relationships between words in a sentence.

Easy to read and interpret.

Helpful in identifying the main subject and verb of a sentence.

Cons:

It can be overwhelming since you are given a lot of information at a given time

SRL Graph

Pros:

It can help identify the meaning of a sentence.

Cons:

It may not capture the entire structure of a sentence.