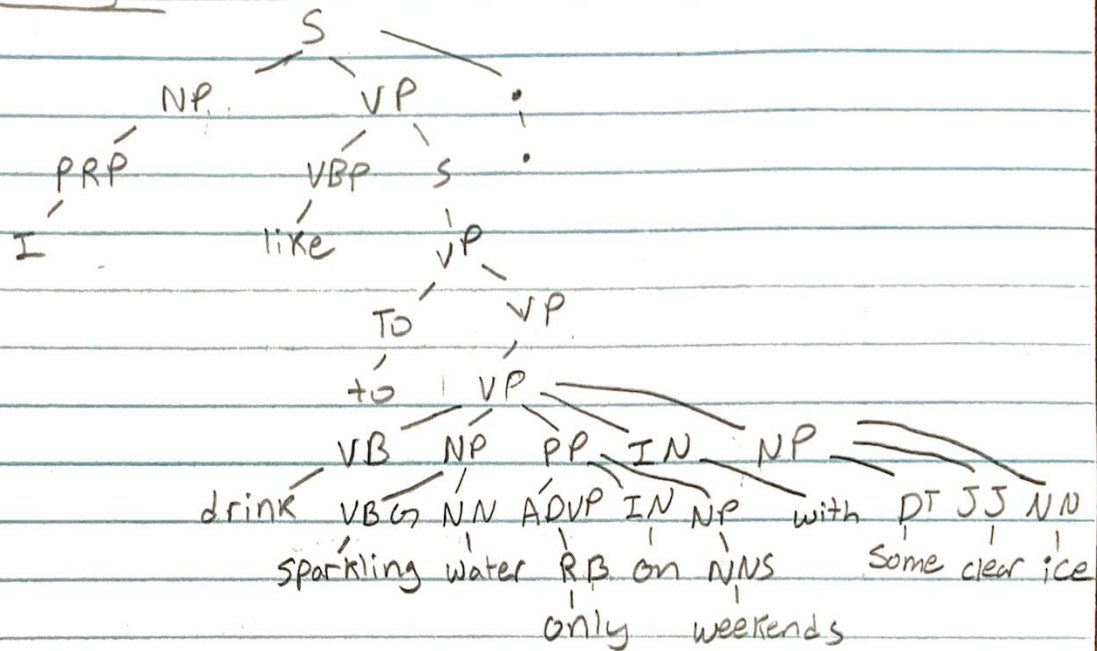David Park

Sentence Parsing

I like to drink sparkling water only
on weekends with some clear ice.

PSG Parsing

definitions:
- • — period, sentence terminator
- S — simple declarative clause
- NP — noun phrase
- VP — verb phrase
- PRP — personal pronoun
- VBP — verb, non-3rd person singular present
- TO — to
- VB — verb, base form
- PP — prepositional phrase
- VBG — verb, gerund or present participle
- NN — noun, singular or mass
- ADVP — adverb phrase
- DT — determiner
- JJ — adjective
- RB — adverb
- NNS — noun, plural

Dependency Parsing

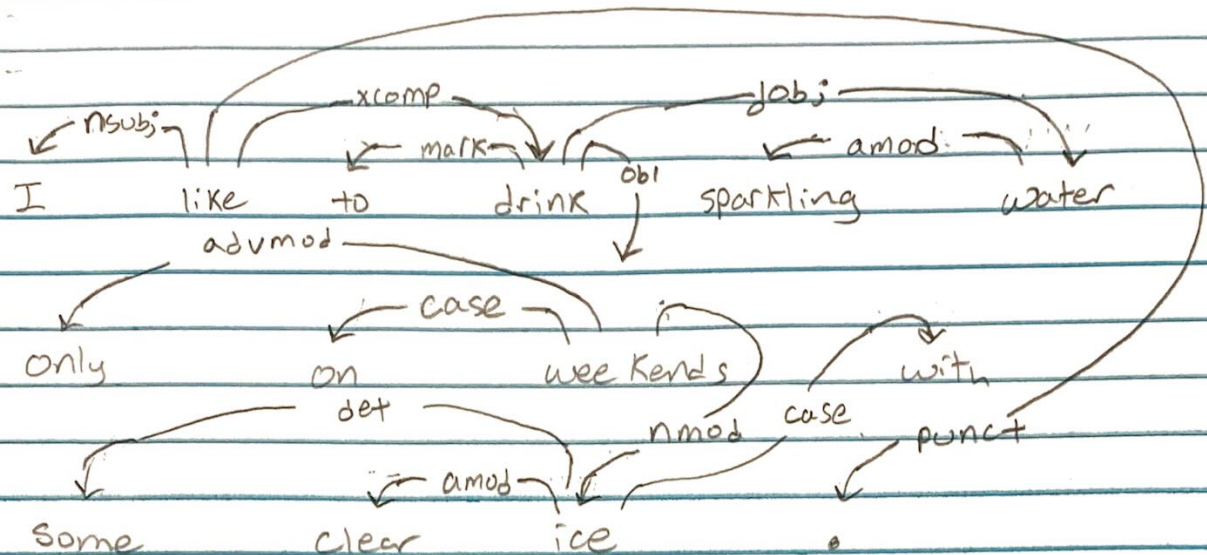I like to drink sparkling water only on weekends with some clear ice .

(dependency parse diagram with labels: nsubj, xcomp, mark, dobj, obl, amod, advmod, case, nmod, case, det, amod, punct)

definitions:
nsubj - nominal subject
xcomp - open clause complement
dobj - direct object
mark - marker
obl - oblique nominal
amod - adjectival modifier
advmod - adverb modifier
case - Case marking
nmod - nomial modifier
det - determiner
punct - Punctuation

SRL Parsing

Frame for like:
    predicate - like
    ARG0 - I
    ARG1 - to drink sparkling water only on weekends
            with some clear ice
    ARG0 is the one liking.
    ARG1 is the one being liked.

Frame for drink:
    predicate - drink
    ARG0 - I
    ARG1 - sparkling water
    TMP - only on weekends
    MNR - with some clear ice.

    ARG0 is the one drinking.
    ARG1 is the one being drunk.

Frame for sparkling:
    predicate - sparkling
    ARG1 - water

    ARG1 is the one that being sparkled.

Modifier definitions:
    TMP - when action happened
    MNR - how the action was performed.

Pros and Cons:

PSG - PSG parsing is good to get the structure of the sentence. It describes what the role of each word is, however, it doesn't go into much more detail. It works decently for my sentence as it can break it down with little ambiguity.

Dependency Parsing - This is good to see the relation of each word to another. However, for my sentence there was some possible ambiguity as some words could be labeled differently.

SRL - This parsing is good to see how each verb relates to the sentence as a whole. It works well for my sentence as the verbs are simple and their surrounding context was also easy to derive. However, SRL doesn't go in-depth of each token.