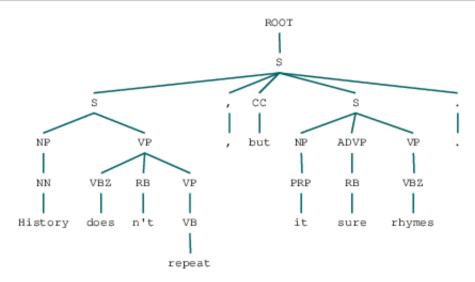
Wk3_SLP1_Parsing with a Stanford Parser in Python

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```
[]: student_name = "Nikki Fitzherbert"
    student_id = "13848336"

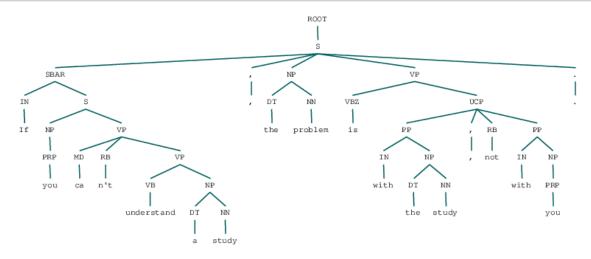
[1]: from nltk.parse import CoreNLPParser
    from IPython.display import display
    def my_parse_tree(sentence):
        parser = CoreNLPParser(url='http://localhost:9000')
        parsed_tree = next(parser.raw_parse(sentence))
        display(parsed_tree) #brew install ghostscript
        parsed_list = list(parser.raw_parse(sentence))
        print(parsed_list)
```

[2]: my_parse_tree("History doesn't repeat, but it sure rhymes.")



This is the sentence I was using in a previous activity. I found it interesting that the parser was splitting the sentence into two sub-clauses connected by the coordinating conjunction 'but' and the second noun-phrase only included the personal pronoun 'it' and not the adverb and verb until I did some more research into the types of phrase structures possible in the Penn Treebank.

[4]: my_parse_tree("If you can't understand a study, the problem is with the study, ⊔ →not with you.")



This is a more complicated sentence that I found interesting. The subject was data science, but it could easily be applied to any field such as economics or psychology. Again, I had to do some additional research to work out what some of the unfamiliar tags like 'SBAR', 'MD', and 'UCP' were.