

Objectives: POS tags, constituent structure for English

Due date: 25. September 2020

Readings: NLTK book Chapters 5, 8

Description:

POS tags, constituents, and CFGs

1. Manually assign POS tags for the following sentence:

They wind back the clock, while we chase after the wind.

What different pronunciations and parts of speech are involved? Use the **NLTK Ch5 POS tagset** for this exercise.

2. Create a dictionary `e`, to represent a single lexical entry for *put*. Define keys like headword, part-of-speech, arguments, sense, and example, and assign them suitable values.
3. Using the categories defined in NLTK Ch8 in **Tables 3.1, 5.1, and 5.2**, write a CFG fragment that deals properly with the following:
 - (a) *Joe put on the log.
 - (b) *Joe put the fish on log.
 - (c) Joe really put the fish on the log.
 - (d) Joe never puts fish on logs.

Automatic tagging, parsing

Deliverables: Retain a written log of your work. You will have to answer questions in Moodle regarding the results.

Submission: Answer the Moodle quiz called ‘Lab 2’.

Marking scheme: 1 point, if quiz Lab 2 is answered correctly before the deadline.
-1 point, if quiz is not answered correctly by the end of term.