

Final Project

(Submit as a plain text email attachment to dm@ling.osu.edu on Wednesday, 15. March)

The final project consists of implementing a grammar for a small text of your choice. More concretely:

- Pick a text consisting of approx. 10 sentences with approx. 100 words. Beware of complicated or not readily analyzed linguistic phenomena like parentheticals, direct speech, etc.—when in doubt, pick something simpler.

Send me a copy of the text you want to use so that I can look it over and approve it as usable for the task.

While, as usual, you are encouraged to work together, each student should pick a separate text and submit a separate grammar.

- Think about syntactic analyses for these sentences. Try to capture generalizations where possible. However, your main focus should be to try to license the sentences in your 10 sentence corpus and to exclude related ungrammatical ones.
- Implement and test a grammar incorporating your analyses. Include comments in your grammar on which part does what (but don't overdo it: more than three lines of comment per line of code is too much). Include a test predicate which starts parsing of the examples of your corpus. You should submit a single prolog file containing:

- the commented grammar
- the test suite predicates with your 10 sentences, and
- additional comments, added to the grammar file delimited by `/* ... */`

Please include a comment for each category name (what it stands for, what kind of strings it is supposed to capture) and the same for each rule you specify.

In terms of parser to use, the standard case will be to use the Earley recognizer which you can find in the code directory under `parser/earley/non_atomic/earley.pl` and `earley_trace_verbose.pl`

If you want to use another parser, such as the one you've implemented for exercise sheet 6, that's possible, but please discuss with me first what exactly you want to do.

The grammar format this recognizer expects is exemplified by the small grammar in `parser/earley/non_atomic/grammar.pl`