## Bergen update

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## A web application for automatic syntactic analysis

- 2.5 years of 3-year project over
- Aim of the application
  - take a sentence as input
  - parse it
  - give as output the kind of analysis that is requested by the student

### Plan

#### Lexicon

- + Converting the Norwegian LFG lexicon (NorGram) into an HPSG lexicon
- Statistical model
  - Parsing treebanked sentences from the INESS Norwegian
    LFG treebank project with Norsyg
  - Comparing dependency structures and create a HPSG treebank

### +/- Application

- Using Demophin
- Hosted by the University of Bergen

## Continued redisign of Norsyg

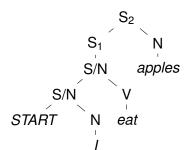
### Another step towards unique lexical items:

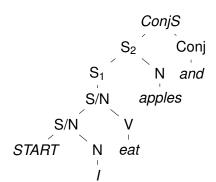
- Associating types with category-specific rules
  - degree adverbs
  - complementizers
- Complex predicates
  - coordination
  - selected prepositions
  - particles
  - idiomatic nouns
- A hierarchy of atomic construction types determines what constructions can be formed
  - 21,000 types
  - Takes 5-6 hours to compile with ACE

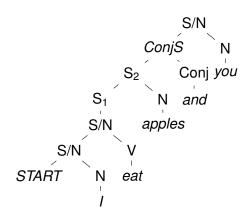


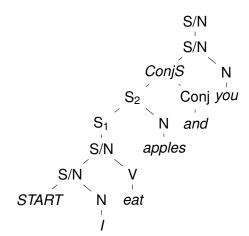
# New analysis

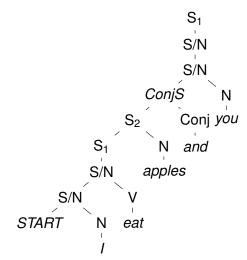
- Coordination
  - gapping
  - conjunction reduction

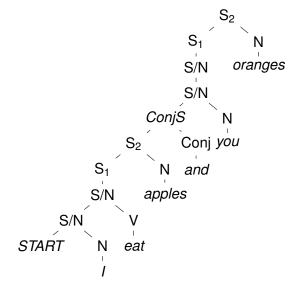












## Demophin

http://clarino.uib.no/demophin/norsyg/