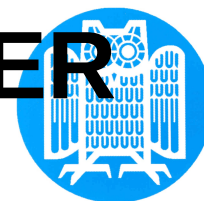




STANFORD PARSER (LEXICALISED)



- Local version: /proj/contrib/stanford-parser-2008-10-26/
./lexparser.csh <file>
- Online version: <http://nlp.stanford.edu:8080/parser/>
(Lexicalised only)

$L = (T, D)$

L = Lexicalised parser, T = phrase structure tree, D = dependency tree

$P(T, D) = P(T)P(D)$

Two “sub-parsers”:

- Phrase structure
- Lexicalised dependency (can be disabled)

THREEFOLD OUTPUT:

POS Tagging

Colorless/JJ green/JJ ideas/NNS sleep/VBP furiously/RB ./.

Context-free PSG

```
(ROOT
 (S
  (NP (JJ Colorless) (JJ green) (NNS ideas))
  (VP (VBP sleep)
    (ADVP (RB furiously)))
  (. .)))
```

Dependency Representation

```
amod(ideas-3, Colorless-1)
amod(ideas-3, green-2)
nsubj(sleep-4, ideas-3)
advmod(sleep-4, furiously-5)
```

(Taken from:

<http://nlp.stanford.edu/software/lex-parser.shtml>
<http://www-nlp.stanford.edu/~manning/papers/lex-parser.pdf>)