DELPH-IN Resources in Teaching

Thu June 16, 2016, 17:00-18:00

Discussion: Use of DELPH-IN Resources in Teaching (Ulrich Schäfer, Melanie Siegel)

Thanks to Francis for Scribing

Notes by the Scribe (Francis) 1

We are now teaching and wondered if you use DELPH-IN in teaching

What kind of resources are used in teaching?

- Linguistic Resources
- Software
- Experiences in Teaching: Grammar development, Applications/Projects
- What kind of resources are used in teaching?
- Teaching Material
  - Slides
  - Tutorials, Courses, Intros, Books
  - Examples
  - Applications: DELPH-IN tools as black boxes in sentiment analysis, e.g.
  - Exercises

- Collect these on the wiki
- NLTK SIG → Sat/Sun

Notes by the Scribe 2

- Alex – I use ERG in informatics: show how much ambiguity is out there
  - shows the weaknesses of bag-of-words
  - I use the web-demo

- oe – outside of linguistics, what do we teach?
  - I don't teach grammar engineering anymore

- Emily, students are often asked about their grammar engineering skills
  - students going into industry
  - Antske – my students liked the LFG+grammar engineering

Notes by the Scribe 3

- Glenn Also a third category (teach GE, use ERG + show one's own research) Glenn

- Who are you teaching? Graduate/UG (Emily points out that they are different)
  - UGs explore the chart
  - Eliza like system – can you confuse it
  - Graduate students do more

Notes by the Scribe 4

- Dan+Tom teach intro to syntax and use the grammar from SWB
    - UG in symbolic systems and CS, linguistics students all dropped out
    - FCB we also had issues with undergraduates having problems with systems
    - Luis – can we hide most of the things and do some stuff in the web
    - press a button to compile

- Berthold – I have tried using Trollet, its hard to count brackets
    - in non-emacs

- Luis – Emacs not so great
    - Emily, what about version control?
    - Luis, we want it, ...

Notes by the Scribe 5

- Some students are fine with command line, but want a black box (oe)
  - how can we use semantics? (Ulrich)
  - use DELPH-IN tools in a tool chain
  - media informatics
  - text-mining with Java framework (including Stanford tools)
    - plug different things in
  - text technology using NLTK

Notes by the Scribe 6

- Tutorial teaches more about using things as a black box
  - use ERG output in another task (PG)
  - we have an MRS reading group, looking at the output

- FCB
  - we also use it for showing ambiguity
  - the students liked it to show tools
  - we use NLTK, and would like stuff in the output

Notes by the Scribe 7

- We also use NLTK and find the semantics a bit hacky (Alex)
  - it would be good to add new stuff
  - it is perhaps better not to use this as it is very weak
  - NLTK is open to getting code in (FCB)
  - can we put in an interface to the RESTFUL API (oe)

- It would be good to integrate the tools more into courses
  - (as we do for WordNet and the semantics course) FCB
  - and we can do for syntax and SWB (Dan and Tom do)

- There is an ERG-using interface for teaching logic

Notes by the Scribe 8

- Does anyone teach generation using DELPH-IN (Alex)
  - A few people used to teach it as part of MT?

- Can we access the grammar fragments for SWB? (Emily)
  - Yes, probably (Dan)

- From an industry point of view there is some interest in grammar
  - engineering, but most people see machine learning as the solution (Ping)
  - However, we think knowledge of language is also important
  - It would be good if we can show more applications

Notes by the Scribe 9

- The grammar is generative (Alex) and usefully distinguishes between rare and bad things. This can be useful --- we get better scores for tasks, and it should be important. So we should get the ERG in the NLTK.

- ERG can also be used in teaching language, a big issue in China (Ping)
  - we can show that grammatical analysis is useful here.

- Glenn --- we can use the ERG (and other things) when we teach, and get people used to thinking of it.