Computational Models of Parsing
Taught by Shravan Vasishth and Felix Engelmann
September 22, 2014

1 The basic stuff

- The course runs from 22nd October 2014 to 5th Feb 2015.
- Shravan will teach the Wednesdays class, Felix the Thursdays class (the latter is more hands on).
- Day: Wednesdays and Thursdays
- Time: 10:15-12:45AM
- Place: Golm campus, Haus 14 room 222
- Moodle2 website for course: https://moodle2.uni-potsdam.de/course/view.php?id=xxxx

We have a total of 14 double classes:

- Oct 22/23, 29/30
- Nov 5/6, 12/13, 19/20, 26/27
- Dec 3/4, 10/11, 17/18
- Jan 7/8, 14/15, 21/22, 28/29
- Feb 4/5

2 Goals of this course

We will work on the ACT-R model of sentence processing that was described by Lewis and Vasishth [1], Vasishth et al [2, 3], and more recently by Engelmann et al [4].

3 Material to be covered

1. Five lectures using the ACT-R tutorial (Oct 22-Nov 20). Download from http://act-r.psy.cmu.edu/software/
2. Two lectures on the Engelmann et al sentence comprehension model (Nov 26, Dec 3).
3. Overview of computational parsing models (Dec 10).
4. One lecture on project descriptions (Dec 11).
5. One lecture on simulating ACT-R in R (Dec 17).
6. Two lectures, class activities with the ACT-R sentence comprehension system (Jan 7, 14).
7. Three lectures for project presentations, and/or for discussing other modeling frameworks like connectionist models. We might have a guest lecture by Franklin Chang.
4 Grading

Grading will be done based on project work. Homework assignments will be given out, but are not graded. Solutions (or possible solutions in the case of open-ended problems) will be provided.

5 In the classroom

- As a general rule, please do not chat with each other while I am talking or while we are discussing something in class.

- I expect active participation, which means asking questions and discussing the various issues that come up.

- Please do not use cell phones or computers to chat, message or call anyone, and do not check your email or send or receive SMSes. In some cases people may have to keep their phone on due to a sick child or something like that; in that case, please get permission from me before start of class.

- Please come to class on time so that we can start punctually at 10:15AM.

References


