Advanced Data Analysis with Matrices and Tensors

Kick-off meeting
21 October 2015
Today’s Agenda

• Check attendance
• Goals of the seminar
• Organization of the seminar
• Grading & guidelines
First Things First

• A block seminar
  • Preliminary work + one (or two) day(s) of presentations
• 7 ECTS credits
• Meeting all DLs and attending all talks is mandatory for passing the seminar
• Attending this kick-off meeting is mandatory
Head Count
Goals

• To learn how to read and understand recent research literature
• To learn how to write a concise report of a research article
• To learn how to present research
• To boldly read what no one (at this seminar) has read before
• To keep young people out of streets
Workflow

1. You read the paper (+ other papers)
2. You write a draft report and send it to me
3. I comment your report
4. You improve your report and prepare your presentation, which you also send to me
5. I comment your presentation
6. You improve your presentation and send me the final report
7. I distribute the reports to everybody
8. You read others’ reports
9. You present your work and follow and discuss others’ presentations
<table>
<thead>
<tr>
<th>Day</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 October</td>
<td>Kick-off</td>
</tr>
<tr>
<td>28 October</td>
<td>Info lecture</td>
</tr>
<tr>
<td>30 November</td>
<td>Report draft DL</td>
</tr>
<tr>
<td>14 December</td>
<td>Slides draft DL</td>
</tr>
<tr>
<td>December/January</td>
<td>Report DL</td>
</tr>
<tr>
<td>mid January</td>
<td>Seminar</td>
</tr>
</tbody>
</table>
December and January’s Midterms

IR&DM’s 2nd midterm 10 December
IR&DM’s 3rd midterm 4 February
Selecting the dates

• The seminar takes two full days
  • approximately 9 am till 4 pm
• The days have to be consecutive
• I’ve created a doodle where you can indicate which days would work with you
  • http://doodle.com/poll/rfd2548a2tvvk95p
• Fill in the doodle by the end of this week
• In case no days work for all, I select the best-fitting days
Odds and ends

• Remember to register to HISPOS
  • You can de-register for three weeks from now, but not after that
• The papers are now behind a username and password
  • see whiteboard or contact the lecturer
Grading Overview

• Report (2–4 pages):
  • Correctness, connections, criticism, style

• Slides & presentation (20 min):
  • Delivery, clearness, presentation skills

• Discussion (5–10 min):
  • Participation, correctness, connections
Report

• 2–4 pages
• **In your own words**
  • No verbatim copy
• Explain the main ideas of the paper
  • Research questions
  • Proposed solutions and their evaluation
• Write to somebody who hasn’t read the paper
• Provide also extra connections & criticism towards the approach
Presentation

• 20 minutes (+ 5–10 minutes of discussion)
• Explain the main ideas of the paper
  • What, why, and how
• Build connections and provide criticism where appropriate
• Target to audience that knows CS and basics of DM and ML
  • Some audience knows more on your topic, others less; cater for both groups
Discussion

• After you’ve followed a presentation, discuss
  • You know the topic a bit: you’ve read the report
  • Ask if something was left unclear
  • Tell if you know more on something
  • After technical part, give constructive feedback on the presentation itself
  • Actually discussing is mandatory
Info lecture

• Next week I’ll give an info lecture covering the background for the papers
  • Especially, background on tensors
• Attendance is voluntary but highly recommended
• Time and place the same as today
Lecture on giving presentations?

• If there’s demand, I might give one lecture on giving presentations
  • No soft-skills seminar, just few tidbits on how to give a presentation and how to prepare slides in this seminar
• Schedule: November