SEMINAR: MOBILE DATA ANALYTICS
Lecture 6

Julien Mineraud

Department of Computer Science
University of Helsinki, Finland

Spring 2016, Seminar code 582519, 3 credits
1. Schedule
2. How to make a good presentation
3. From last week
1 Schedule

2 How to make a good presentation

3 From last week
<table>
<thead>
<tr>
<th>Date</th>
<th>Agenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>Today</td>
<td>How to make a good presentation &amp; discussion</td>
</tr>
<tr>
<td>11.3</td>
<td>Break</td>
</tr>
<tr>
<td>18.3</td>
<td>Presentations: (1) Pekka</td>
</tr>
<tr>
<td>25.3</td>
<td>Holidays</td>
</tr>
<tr>
<td>1.4</td>
<td>Deadline for submitting reports &amp; Presentations: (1) Suleyman, (2) Kalle and (3) Niko</td>
</tr>
<tr>
<td>8.4</td>
<td>Presentations: (1) Nishadh, (2) Mathias, (3) Aaro and (4) Nitinder</td>
</tr>
<tr>
<td>15.4</td>
<td>Deadline for submitting reviews &amp; Presentations: (1) Yu, (2) Muhammad, (3) Bidur and (4) Hassan</td>
</tr>
<tr>
<td>22.4</td>
<td>Discussions on reviews</td>
</tr>
</tbody>
</table>
1. Schedule

2. How to make a good presentation

3. From last week
OBJECTIVES

General

- Improving the attractiveness of your work
- Triggering positive discussions
- Good practice for any work situation
- Helping to highlight and understand better what you have achieved

Objective for your presentation

- Present your specific topic to educated audience
  - Everybody is familiar with mobile data analytics solution
  - But not on your specific topic
THINGS TO CONSIDER

- Time constraint of 20 minutes
  - Presentations always makes you run out of time
  - 5 minutes for questions are not included

- Practice makes perfect
  - Fitting the presentation to time window
  - Consider repolishing slides
  - Focus on clear message
• Be clear
• Do not spend too much time on one slide
• Be brief
• Do not put too much text in the slide
• Use color to highlight part of the text
• Include a lot of illustrations
  ▶ Avoid small fonts (e.g., axes, labels)
  ▶ Use limited animations
• Look at your audience
• Once again practice
CONTENT OF RESEARCH WORK PRESENTATIONS

- Title page
  - Title (maybe subtitle)
  - Author (you)
  - Institution (University of Helsinki)
  - Date and Place of presentation
- Outline (optional)
- Background and motivation
- Related Work (most important section for you)
- Solution
- Results
- Conclusion (summary)
- Future work
- Backup slides (optional)
ADDITIONS

• Keep things simple
• Avoid maths
• Repeat key insights
• Practice beforehand
  ▶ Record time
  ▶ Record your voice (listen to yourself) or even video
• Learn from good presenters
Sprintlink USA mainland network. The ISP network used in the evaluation of our proposed solution. The size of the bubbles indicates the size of the POP.
OUTLINE

1 Schedule

2 How to make a good presentation

3 From last week
   ► Reviewing a paper
   ► Components of the report
Reviewing a Paper

- Describe the topic in your own words. 1-3 sentences.
- What are the key take aways? 1-2 sentences.
- What are the strengths? Why? 3-5 sentences.
- What are the main weaknesses? Why? 3-5 sentences.
- Which ideas do you see for future work? 3-5 sentences.
- Why do you like/dislike this paper? 1-2 sentences.

Exercise

- Apply the methodology to the paper “Toward interoperability for the Internet of Things with meta-hubs”
- Time: 45 minutes. Submit report on paper or via Moodle
Review of the Selected Paper

- Describe the topic
  - What are the key take aways?
  - What are the strengths? Why?
  - What are the main weaknesses? Why?
  - What would you do differently? Why?
  - Which ideas do you see for future work?
  - Why do you like/dislike this paper?
Review of the selected paper

- Describe the topic
- What are the key takeaways?
  - What are the strengths? Why?
  - What are the main weaknesses? Why?
  - What would you do differently? Why?
  - Which ideas do you see for future work?
  - Why do you like/dislike this paper?
Review of the selected paper

- Describe the topic
- What are the key take aways?
- What are the strengths? Why?
  - What are the main weaknesses? Why?
- What would you do differently? Why?
- Which ideas do you see for future work?
- Why do you like/dislike this paper?
**Review of the Selected Paper**

- Describe the topic
- What are the key takeaways?
- What are the strengths? Why?
- What are the main weaknesses? Why?
- What would you do differently? Why?
- Which ideas do you see for future work?
- Why do you like/dislike this paper?
Describe the topic
What are the key take aways?
What are the strengths? Why?
What are the main weaknesses? Why?
What would you do differently? Why?
Which ideas do you see for future work?
Why do you like/dislike this paper?
Review of the Selected Paper

- Describe the topic
- What are the key take aways?
- What are the strengths? Why?
- What are the main weaknesses? Why?
- What would you do differently? Why?
- Which ideas do you see for future work?
- Why do you like/dislike this paper?
Review of the selected paper

- Describe the topic
- What are the key take aways?
- What are the strengths? Why?
- What are the main weaknesses? Why?
- What would you do differently? Why?
- Which ideas do you see for future work?
- Why do you like/dislike this paper?
Review of the selected paper

- Describe the topic
- What are the key take aways?
- What are the strengths? Why?
- What are the main weaknesses? Why?
- What would you do differently? Why?
- Which ideas do you see for future work?
- Why do you like/dislike this paper?
PROCESSING FEEDBACK FROM REVIEWERS

- Is my topic relevant to the scope of the publication media?
  - Is it still relevant?
- Were the points listed by the reviewers relevant?
  - How to address them efficiently?
- What would I change in my opinion to my own text?
Novelties

- Feeds are now of three kind:
  - Atomic feeds (linking physical sensor) via JS plugins to the hub
  - Composed feeds (like in the paper version)
  - Executable feeds (expose the VM to remote hubs)
- Meta-hubs are fairly similar, but exposes also the JS plugins as well as applications
- Implementations are made at UH, in Java, Android and Node.js

Application to mobile data analytics

- How could it be used to do mobile data analytics?
- What would you add to the platform?
COMPONENTS OF YOUR REPORT

- Title
- Abstract
- Introduction
- Key details of your work
- Discussion and future work
- Conclusion
- References
COMPONENTS OF YOUR REPORT

- Title
  - Summarize your paper in one sentence
- Abstract
- Introduction
- Key details of your work
- Discussion and future work
- Conclusion
- References
COMPONENTS OF YOUR REPORT

- Title
- Abstract (use 4 sentence/answer technique [Kent Beck])
  1. What is the problem?
  2. Why is this problem important?
  3. What does your solution achieve?
  4. What follows from your solution?
- Introduction
- Key details of your work
- Discussion and future work
- Conclusion
- References
COMPONENTS OF YOUR REPORT

• Title
• Abstract
• Introduction (5 paragraph/answers technique [Kurose]¹)
  1. What is the problem area, and why is it important?
  2. What is the specific problem considered?
  3. What are the main contributions given the context established by previous paragraphs?
  4. The paper outline (preferably made inline with previous paragraphs)
• Key details of your work
• Discussion and future work
• Conclusion
• References

¹http://www-net.cs.umass.edu/kurose/writing/intro-style.html
COMPONENTS OF YOUR REPORT

- Title
- Abstract
- Introduction
- Key details of your work
  - Analyze of related work
- Discussion and future work
- Conclusion
- References