

ELEC-E7861

Lecture 8

2021 Antti Oulasvirta Aalto University userinterfaces.aalto.fi

Schedule (revised)

Jan 14: Introduction Jan 21: Computational modeling Jan 28: Analytical methods Feb 4: User research Feb 11: Literature review Feb 18: Research strategy Feb 25: No meeting Mar 4: Research planning Mar 11: Guest lecture

Mar 18: Modeling clinic Mar 25: No meeting Apr 1: Modeling clinic April 8: Scientific writing Apr 15: Scientific presentation Independent study period May 14: Submission of paper (PDF) May 15: Dress rehearsal May 16: Final presentations



Preparation for today's exercises

Have your manuscript available (Overleaf / PDF copy)



Your project: Main goal right now

Develop your research plan (Approach/Method) to a stage where you can get feedback from your Coach (next slide) and start preparing to execute it

You should be kicking off your research in April



Coaches

Jussi Jokinen: Cognitive and perceptual modeling

- 1. Aini
- 2. Rishabh

Xiuli Chen: Cognitive and perceptual modeling

- 1. Chuhan
- 2. Dongmei

Aditya Acharya: Cognitive and perceptual modeling

- 1. Lena
- 2. Yuze

Markku Laine: AIM and self-optimizing web pages

1. Sami



Status check Guest lecture



Questions to our guest lecturer?

Spend 1-2 mins to write down questions





Recap: Research Planning

11.3.2021

Objectives for your plan

You must follow some *recognized* methodology

- Name the method: E.g., "replication study", "validation study", …
- Your plan should follow the corresponding standard in literature

Sufficient level of detail for replication

- Details of method (How you do carry it out?)
- Success criteria (How do you know you are ready?)

Focus on details that matter!

- Validity (Will the method allow drawing solid conclusions?)
- Feasibility (Can you carry it out?)
- Usefulness (Will the obtained results solve your original problem?)

Exercise: Peer feedback

Peer feedback

8 minutes per paper; take notes
We rotate the plans at 8 mins

Things to assess:

- Suitability of the research method for solving the stated problem
- Usefulness of results for the practical goal
- Validity of planned approach
- Feasibility of the planned approach
- Clarity of presentation
- Replicability (are essential details missing)



Discussion: Overcoming issues

8 mins (solo) \rightarrow Past your list to Chat

State 3 most critical outstanding issues in your project and tell (1 sentence) how you are going to solve them



Exercise: Self-assessment

Given the feedback, how satisfied are you with your plan?

- * = the project will probably fail unless I do something
 *** = will meet my minimum goals
 ***** = brilliant, I'm making gold with this
- 5 mins think \rightarrow paste your movie stars to Chat





Assignment 8

11.3.2021 13

Assignment 8

Update Method / Approach based on feedback from your Coach



Guest lecture

11.3.2021 15