CTHCI Lab 1
Retrieving and Classifying Literature

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http://hci.rwth-aachen.de/cthci
Plan

• Review

• Practice: Pigeonholing

• Logistics: Papers, Groups, Mock PC meeting, and Reading assignment

• Reflection

• (optional) Demo: Searching and retrieving literature

• (optional) L2P troubleshooting
Review

• Three steps in the empirical approach
  • Why iterate?

• Variables

• Research question vs. hypothesis

• Operational definition
  • Why do we need them?

• Three strategies in the empirical approach
  • Descriptive vs. Relational
  • Relational vs. Experimental (Third variable)

• Experimental designs (See DISI S10, the second half)

More in lecture 2 and 3
Three Levels of Literature in this Class

• Primary papers: To be read in-depth. Important concepts will be asked in the exam.

• Secondary papers: To be skimmed as a context to contrast with the primary literature.
  • Each team will be assigned with different secondary papers for different perspectives in the mock PC meeting.

• Other papers referred in the class: Examples to illustrate the concepts explained in the class.
  • Names may be referred to in the exam
Assignment Logistics

• Written assignment: group of three

• Four reviews, graded 5% each
  • Max. 1 page A4

• Next week: peer evaluation

• 24.04.: A01 with revise and resubmit after the feedback in the following week

• See full schedule on the website for details

• Possible to start preparing for all assignments next week
Mock PC Meeting

• In-class in-depth discussion about a paper
• Simulating the program chair (PC) meeting
• Goal: To assess whether this paper should be accepted at CHI or not
• Organizing team: graded 5% each
  • Moderator
  • Summarizer
• Participation is mandatory for the rest
• Will be trained in week 5
Reflection: Asking Why

- Lecture 1: Different Approaches to HCI Research
- Short-term purpose (this course)
  - To select a suitable approach for consuming a paper
  - To select suitable criteria for evaluating a paper
- Medium-term purpose (your thesis)
  - To select a suitable approach for conducting research
- Long-term purpose (your life)
  - To be an intelligent knowledge consumer
Reading Assignment

• Methodology Matters: Doing Research in the Behavioral and Social Sciences — Joseph E. McGrath

• How to Read an Engineering Research Paper — William G. Griswold

• Both are the required material for the exam

• Short quiz in the next lecture
Demo: Retrieving and Searching for Papers

- Google Scholar: Entry point, alerts, citation search, finding the full version for free postponed to the next lab
- ACM Digital Library: The main archive, video materials, comprehensive search by author postponed to the next lab
- Citeology: Citation visualization (1982–2010)