CTHCI Lab 1
Retrieving and Classifying Literature

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)

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)