

CTHCI Lab I

Retrieving and Classifying Literature

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<http://hci.rwth-aachen.de/cthci>



Plan

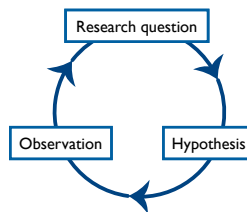
- Review
- Practice: Pigeonholing
- Logistics: Papers, Groups, Mock PC meeting, and Reading assignment
- Reflection
- (optional) Demo: Searching and retrieving literature
- (optional) L2P troubleshooting



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)
 - <http://www.autodeskresearch.com/projects/citeology>

