Preliminary Considerations  
regarding a Bachelor or Master Thesis

in Media and Computer Science

aka: Planning of the Human-Centered Design Process

**Overview of how to do scientific work (German):** https://www.youtube.com/watch?v=\_ID7q7pXzyc

**Similar version but in (broken) English:** <http://www.organizingcreativity.com/2017/10/online-presentation-broken-english-scientific-writing/>

# Preliminary Consideration

good work = thematic interests x technical competencies x competent advisory

## Thematic Interests

* ...

## Technical Competencies

* ...

## Competent Advisory

* ...

If **all three** components are fulfilled, examine possible topics (table on next page).

# Finding a Topic

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Introduction** | **Analysis** | | | | **Conceptual Phase**  **(incl. formative evaluation)** | **Implementation (programming)** | **Summative Evaluation** |
| **Problem/Task** | **Users** | **Context** | **Organization** |
| ***Questions*** | *Interesting topic? Answer to "Why should I care?"*  *Theoretical basis available? Literature?* | *Can the problem be handled? Measurable? Operationalization?* | *Accessible user groups? Are these people actually interested in a solution? Is there a "Plan B" if the user group is no longer accessible?* | *Does the context allow solutions?* | *Actual support by the organization available?* | *Fast, uncomplicated and continuous access to people who can evaluate the ideas/prototypes.* | *Frameworks available? Necessariy programming skills available? Infrastructure (hard- and software, incl. replacements if anything breaks)?* | *Clear criteria or comparison standard available? What is the gold standard?* |
|  |  |  |  |  |  |  |  |  |
| **Topic A Guiding question** |  | | | | | | | |
| Answers to the questions above |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Topic B Guiding question** |  | | | | | | | |
| Answers to the questions above |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **Topic C Guiding question** |  | | | | | | | |
| Answers to the questions above |  |  |  |  |  |  |  |  |