Learning as an Outcome of Code Review at Capgemini

Reem Al jaamil Alrashid, 4821928

reemalrashid@zedat.fu-berlin.de
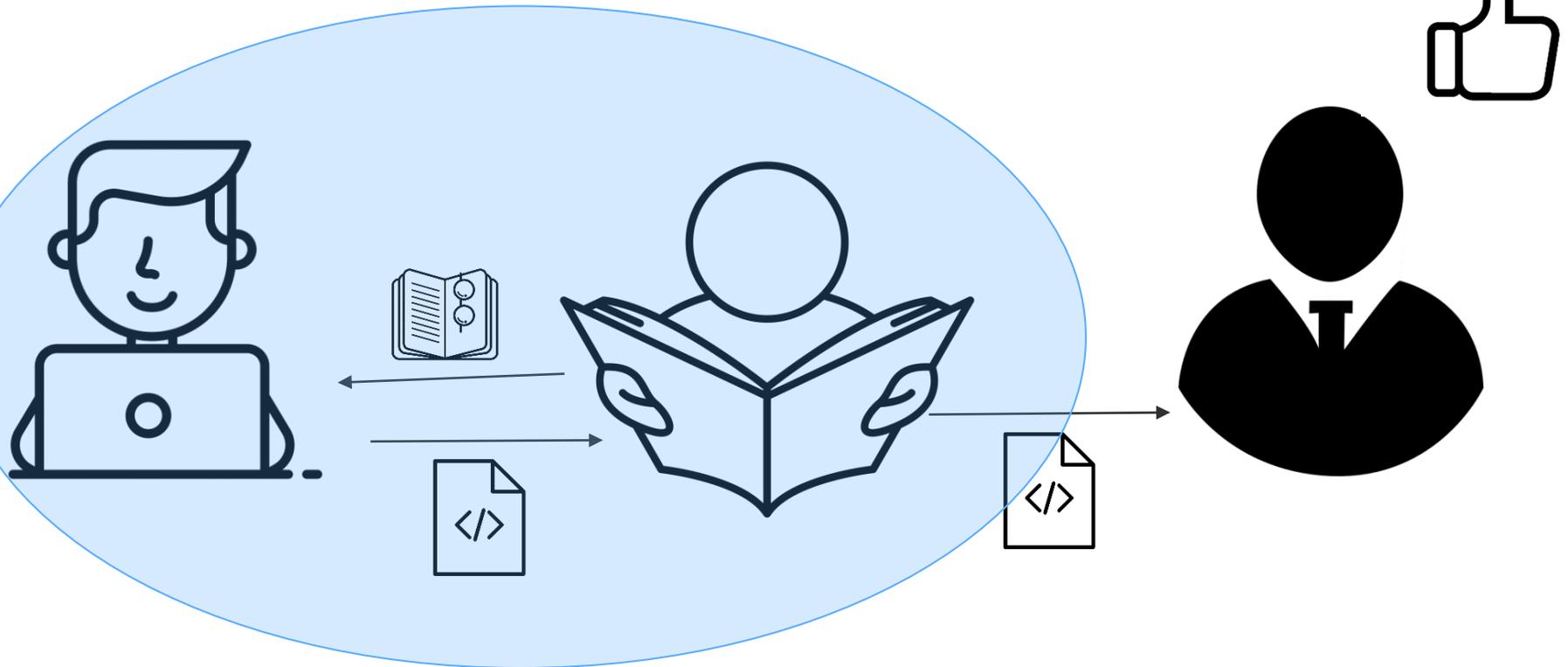
Outline

1. Background
2. Method
3. Results
4. Suggestion
5. Timetable

Background

Code Review

Method

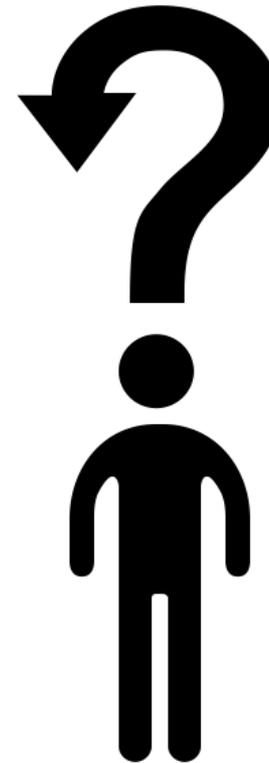**Grounded Theory Method**

1. Collecting the data
    1. Qualitative Interview Design
    2. Pilot Tests
    3. Theoretical Sampling

2. Analysis
    1. Coding
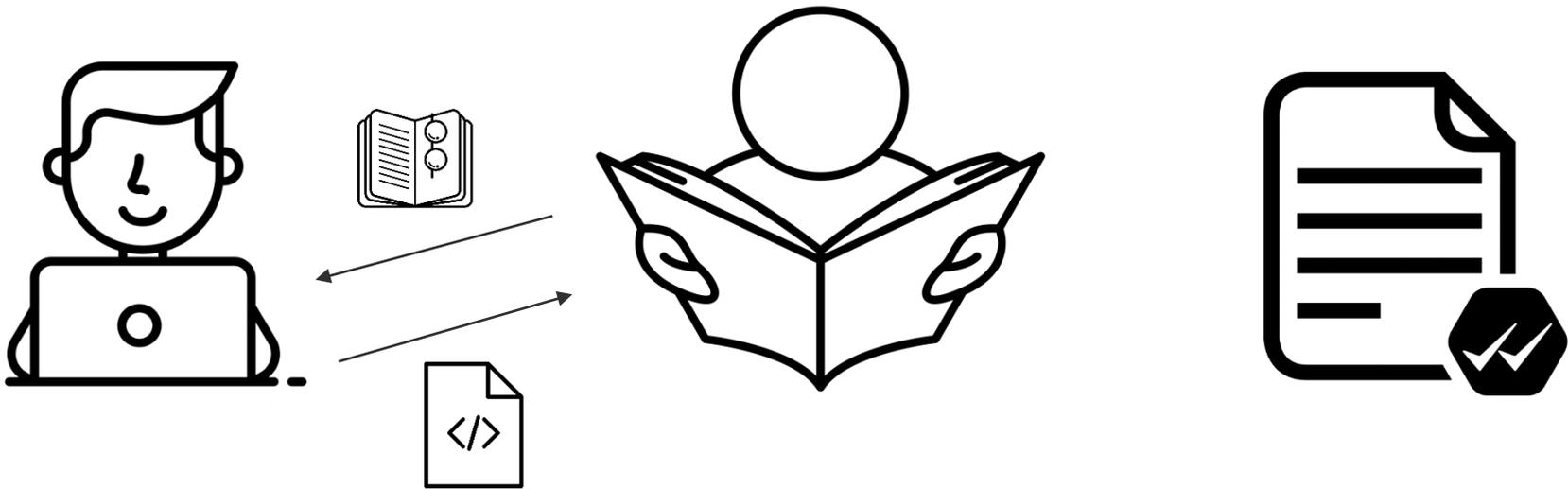   2. Constant comparison
    3. Memo Writing

Method

Grounded Theory Method

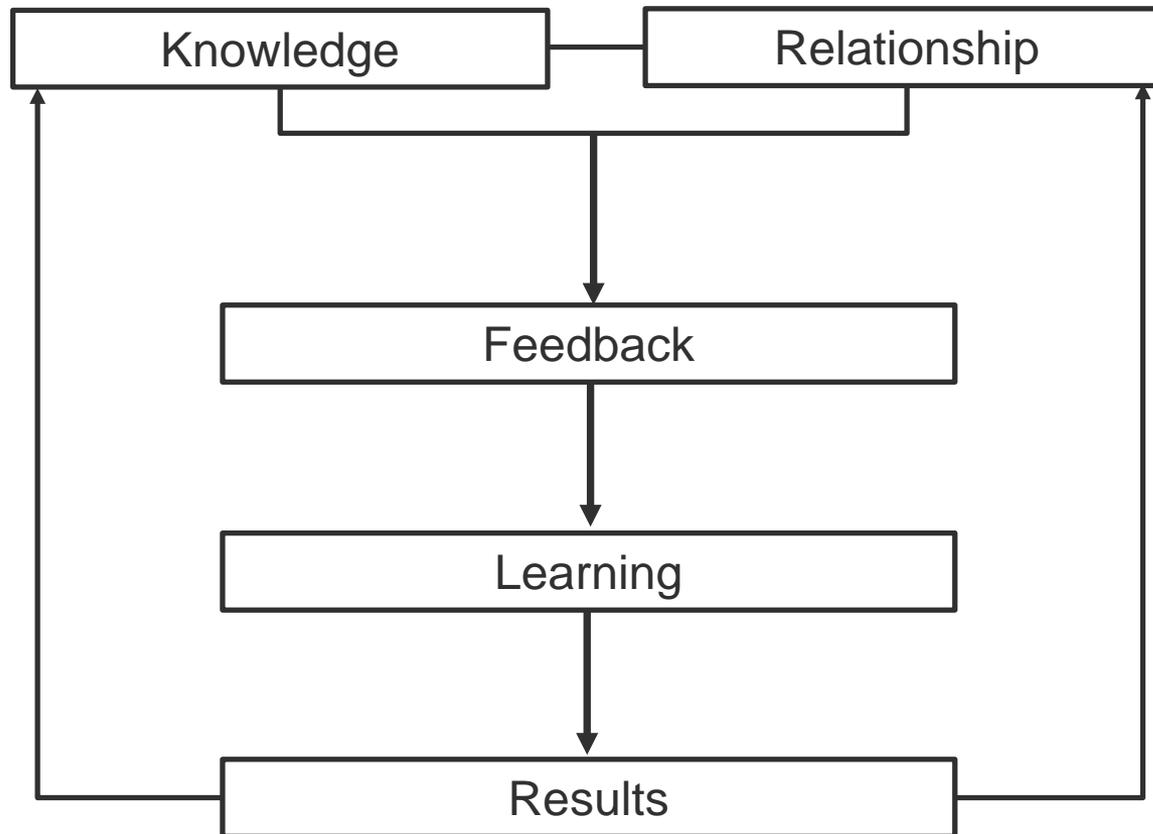The result of this Method is a theory:

Grounded Theory

Results

Results

Suggestion

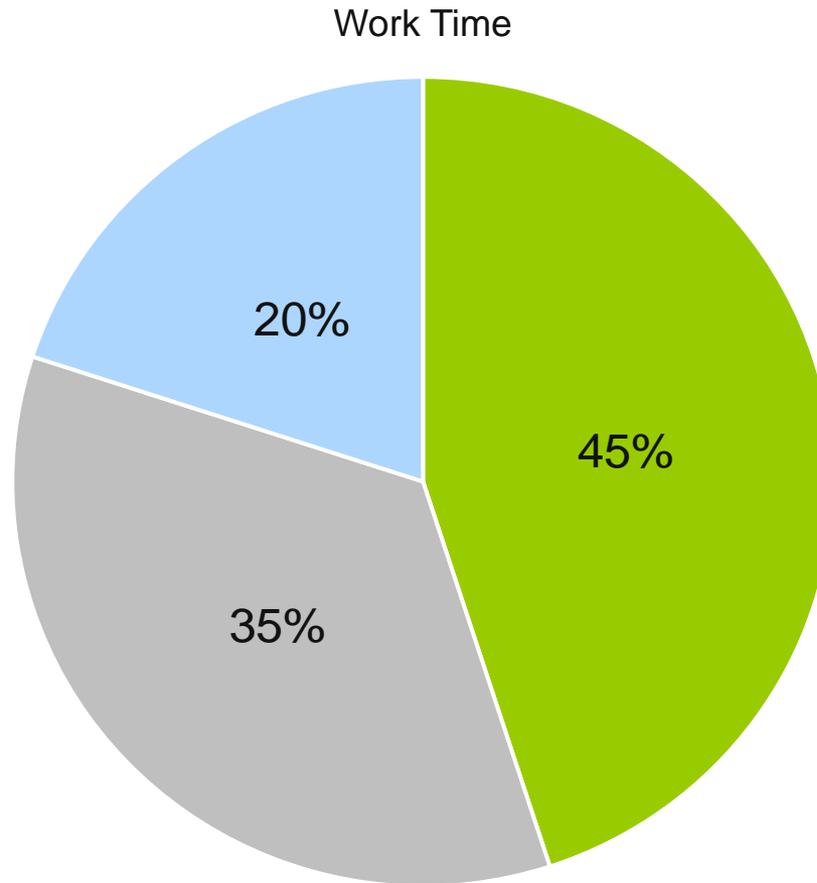## Relationship:

Estimate the current state of the relationship.

Learning:

Set learning as a goal for code review.

My relationship with the author	Aspects to consider	
	Experience & Project Knowledge	**Criticism Acceptance**
I do not know the author	You do not know anything about the author; not about their experience and knowledge nor about their reaction to criticism. This where your relationship starts, so start a positive relationship and get to know each other. It is recommended to have a small talk together before starting the process, where you discuss your experience and knowledge, and the feedback method and learning process.	
We have worked together before	You should ask yourself: how much do you know about the author's experience regarding this task and how much time they spent on this project. According to these criteria you can start giving feedback and evaluate their work.	Code review contains criticism, which does not occur in other tasks and is not always easy to accept. Accepting criticism is a skill, thus, it is important to know to what degree the author masters it.
We are friends		It can be hard for the reviewer to criticise the code of a friend or to be very direct with them about the quality of their code. So as a reviewer, you should try to be abstract and address the code in the feedback.
We work offsite		Working offsite is risky, since it is easy for the author to misinterpret the content of the feedback and it is harder for the reviewer to assess the author's acceptance of criticism, since they cannot see their immediate reaction to it. Hence, in such cases reviewer and author should be more careful and should use any chance of meeting, workshops for instance, to know each other better. It is also advisable in this case, to have skype meeting, when personal meetings are impossible.

Timetable

Work Time

- ■ Collecting Data ■ Analysing ■ other (Such as: Papers reading, Thesis writing)

Thank You

Types of Coding

- Open Coding

- Axial Coding

- Selective Coding