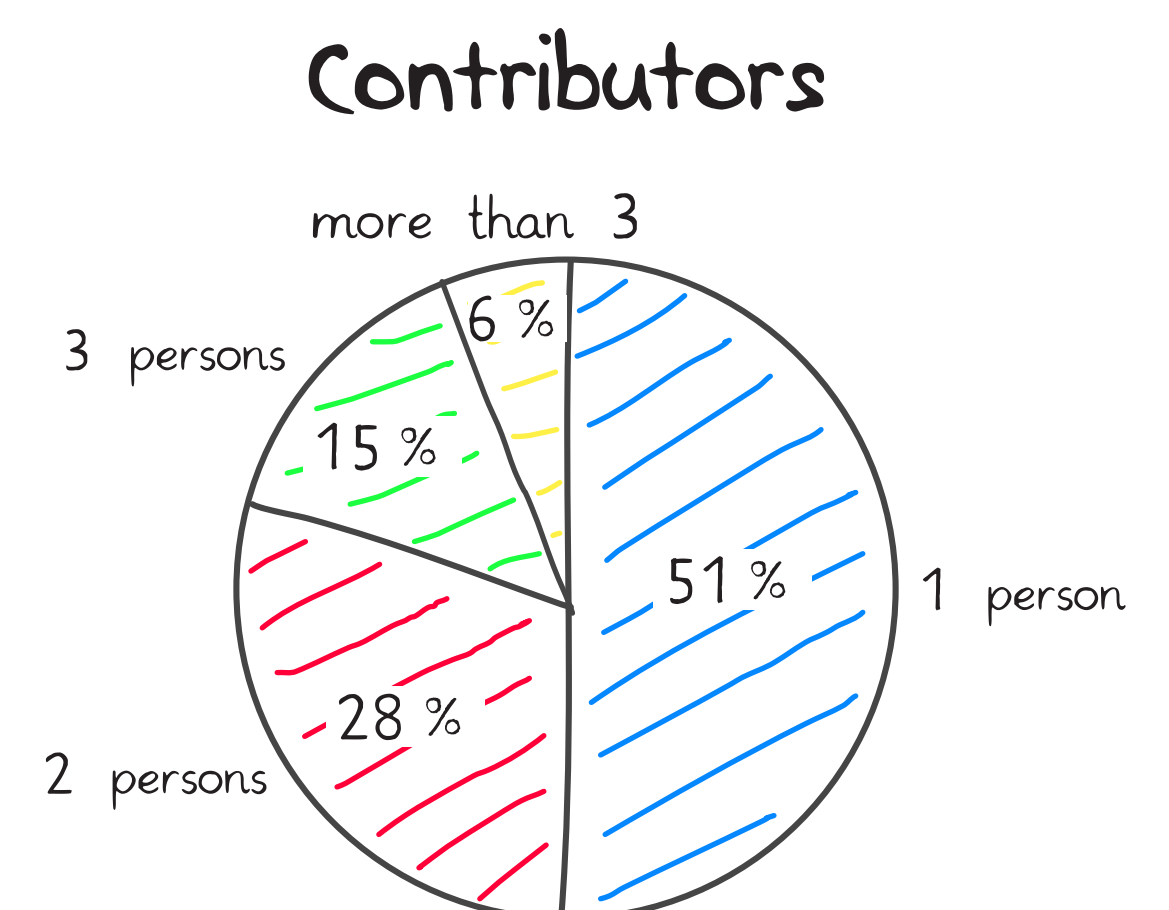
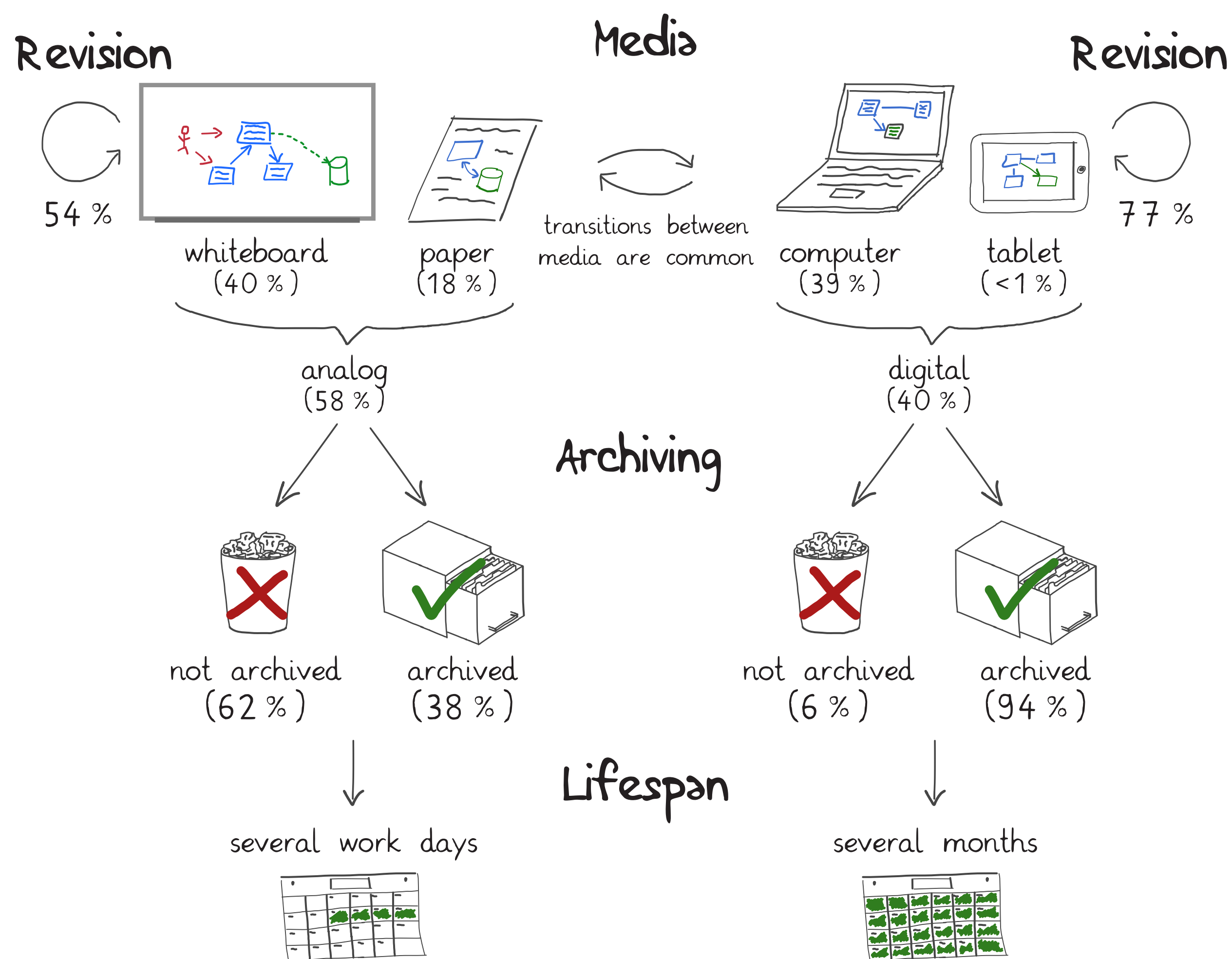
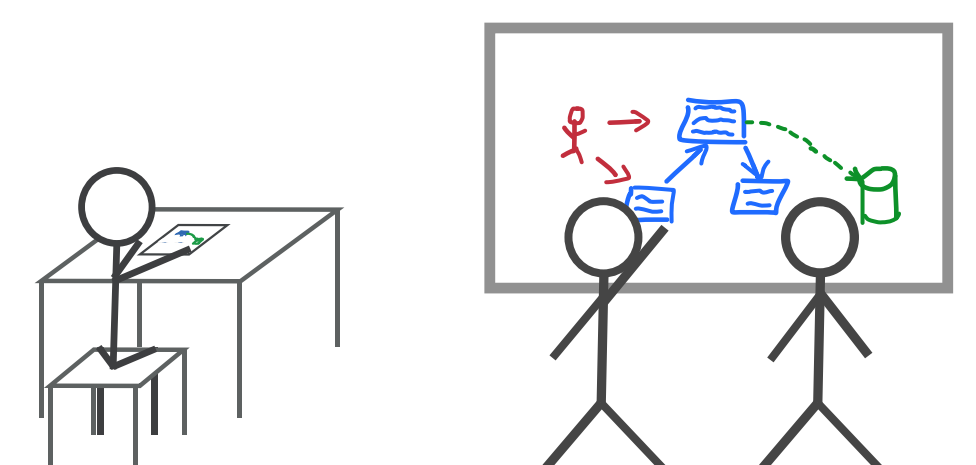


# Sketches and Diagrams in Practice

How and why do software practitioners use sketches and diagrams in their daily work?

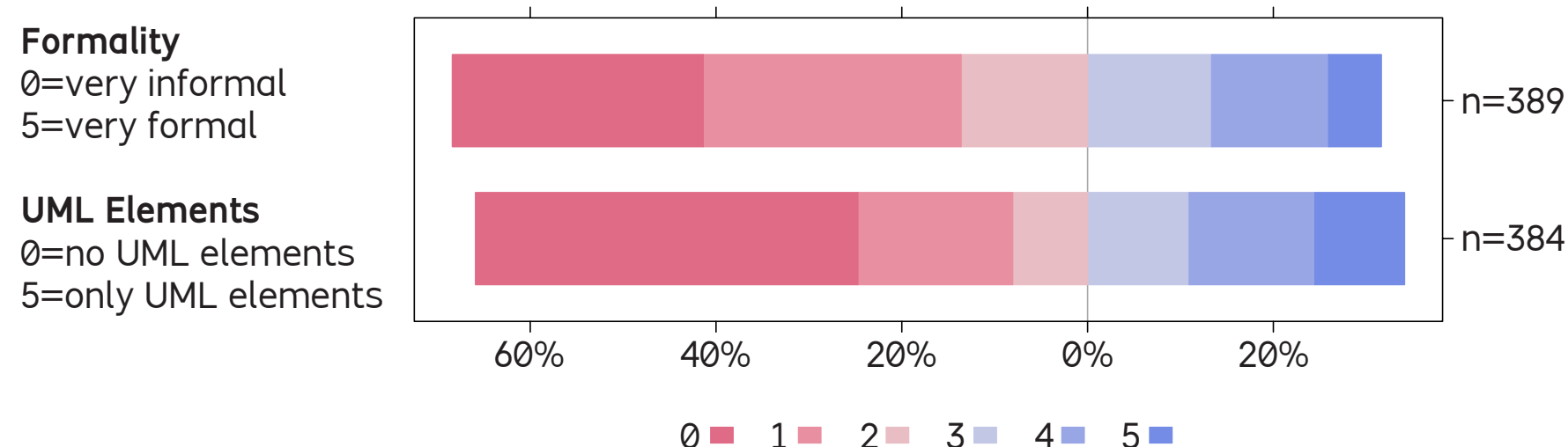


## Collaboration

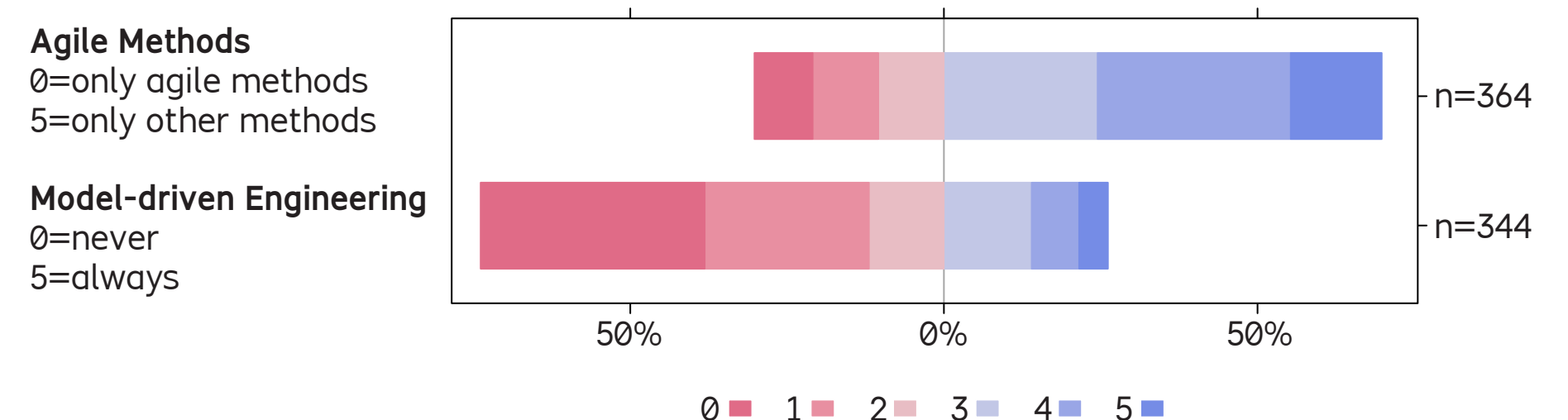


Paper is predominantly used alone, whiteboards collaboratively.

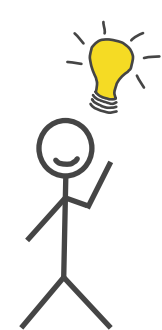
## Formality and UML



## Agile Methods and MDE



## Relation to Source Code



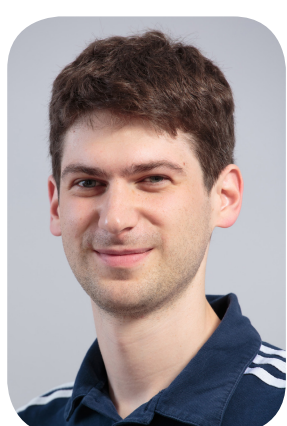
47 % of the sketches are rated as helpful for others to understand the related source code artifacts.

## Purpose

Designing (75 %) <sup>1</sup>  
Explaining (60 %) <sup>2</sup>  
Understanding (56 %) <sup>3</sup>  
Analyzing Requirements (45 %)

## Team Size

11 % work alone <sup>1</sup>  
8 % with one colleague <sup>2</sup>  
19 % with two colleagues <sup>3</sup>  
40 % with 3 to 9 colleagues <sup>4</sup>  
15 % with more than 10 <sup>5</sup>  
5 % with more than 100



Sebastian Baltes  
s.baltes@uni-trier.de



Stephan Diehl  
diehl@uni-trier.de

## Further information

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Sebastian Baltes and Stephan Diehl  
FSE 2014

<http://st.uni-trier.de/survey-sketches>

## Participants

- 394 software practitioners reported on their last sketch/diagram
- majority from Germany and USA
- 52 % software developers
- 22 % software architects
- median work experience 10 years
- various company sizes and sectors