

# **Software Developers' Information Needs**

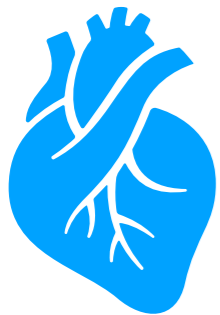
Bachelor Project of Jonas Richner  
supervised by Pooja Rani

# Research Questions

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**RQ<sub>1</sub>:** How do researchers quantify software developers' information needs?



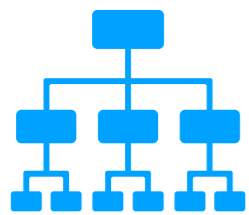
**RQ<sub>2</sub>:** Which information needs are important for developers to make progress, and useful for the development of tools and practices?

# Systematic Literature Review

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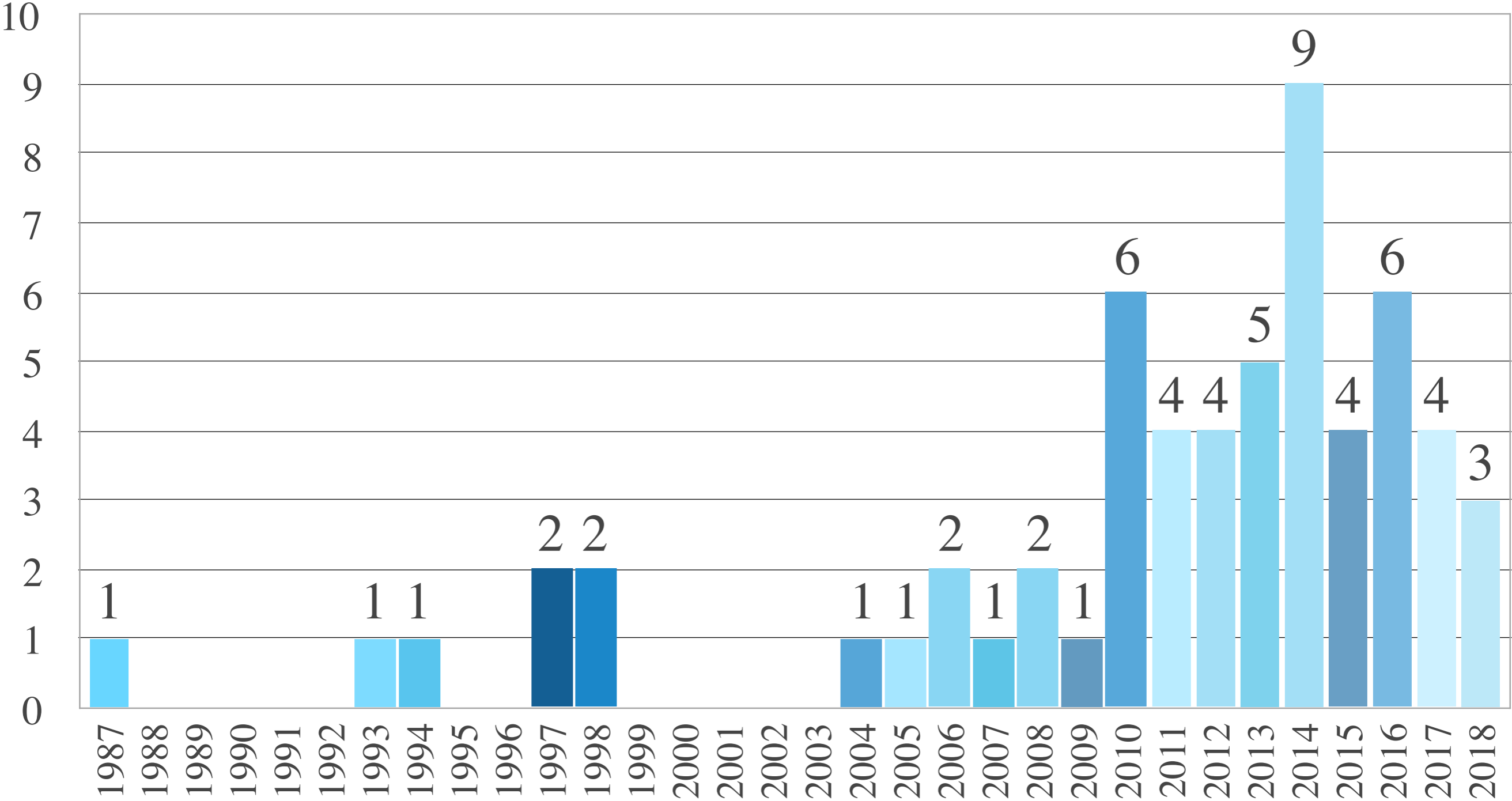


Systematic Search

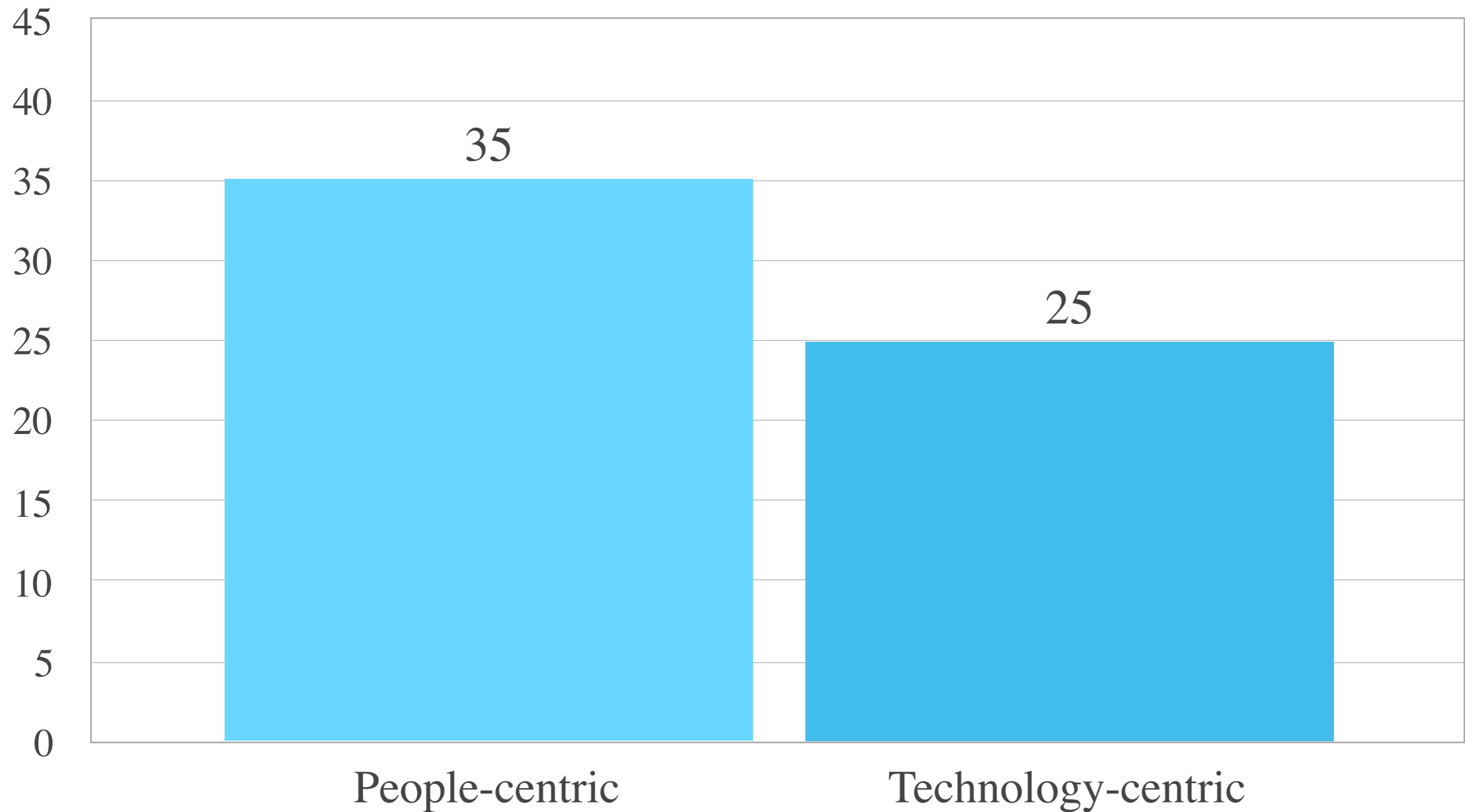


Inclusion and Exclusion Criteria

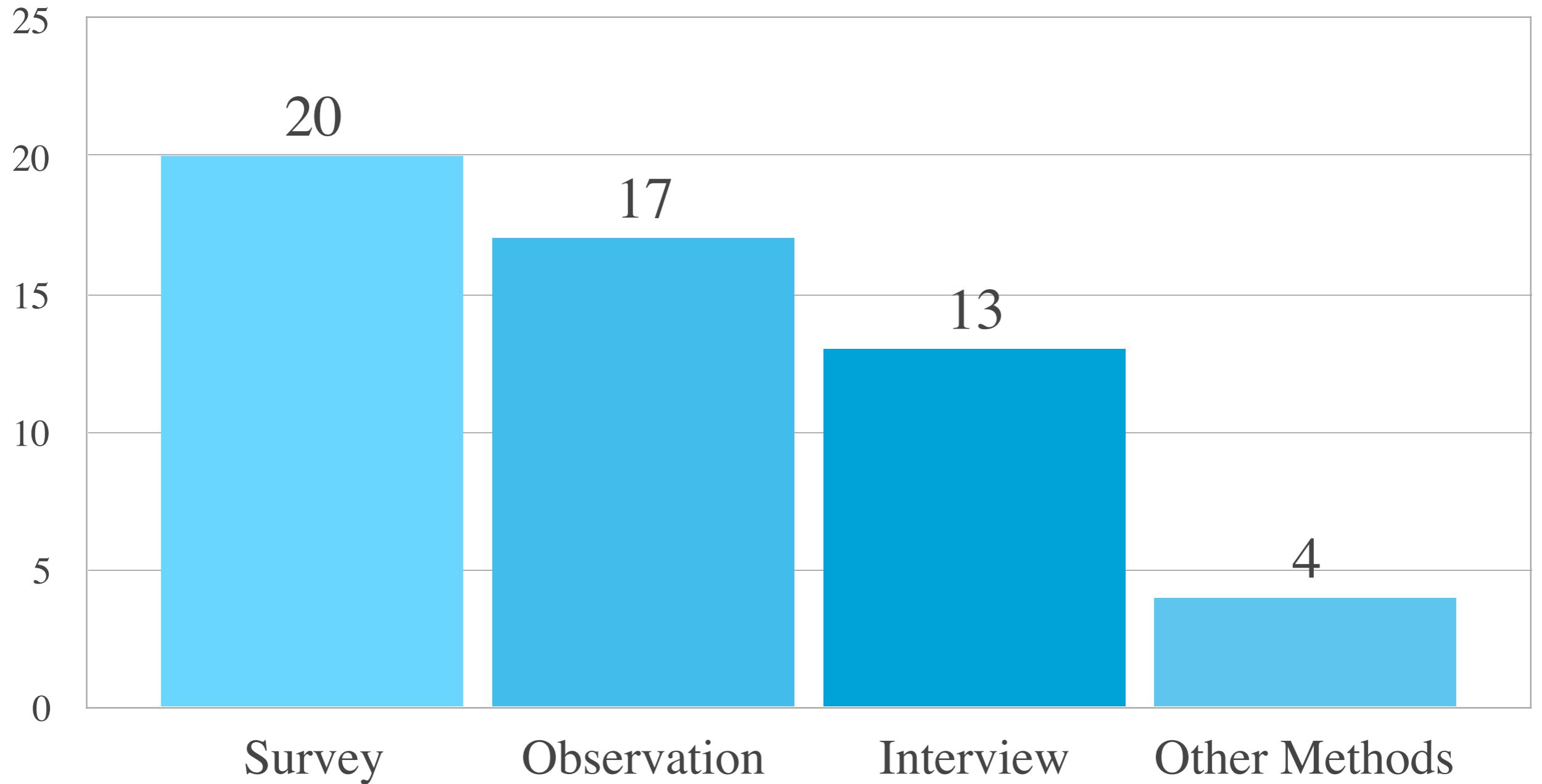
# Number of Studies over Time



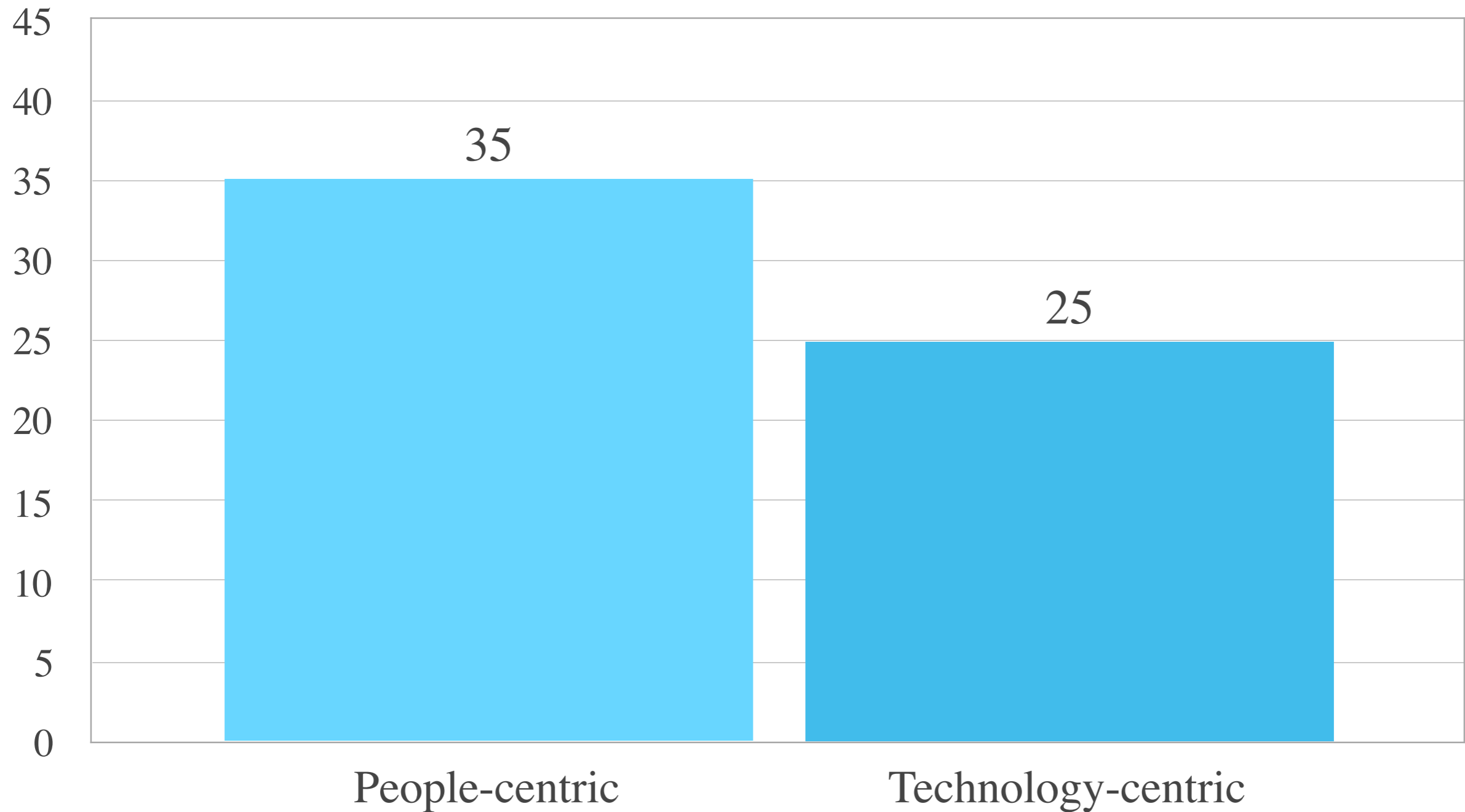
# People-centric and Technology-centric Studies



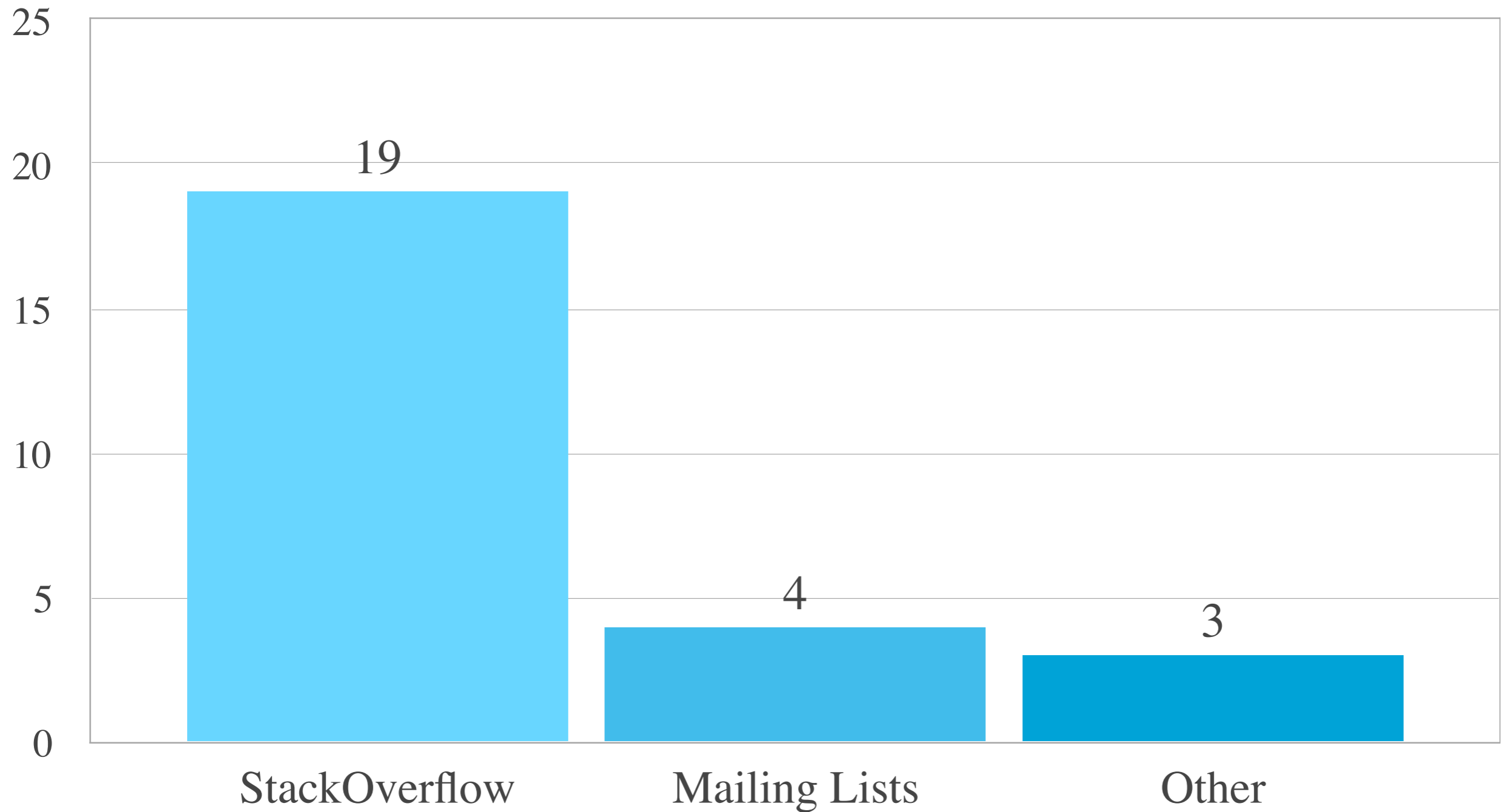
# People-centric Methods



# People-centric and Technology-centric Studies



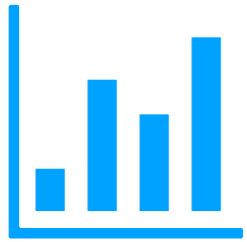
# Technology-centric Data Sources





# Discussion of RQ<sub>1</sub>

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Is measuring frequency enough?



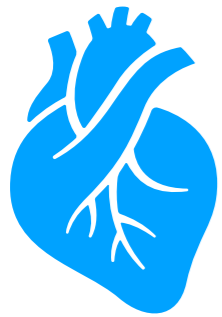
How closely do surveys match with reality?



Is studying Stack Overflow worth it?

# Second Research Question

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**RQ<sub>2</sub>:** Which information needs are important for developers to make progress, and useful for the development of tools and practices?

# Results

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Rationale



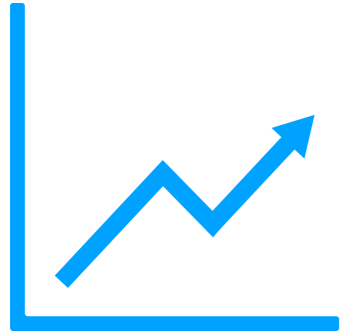
Awareness



Implications of a code change

# Discussion

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Is research on new tools more beneficial at helping developers than research on new practices that enable them to choose, learn, and share more effective strategies?