

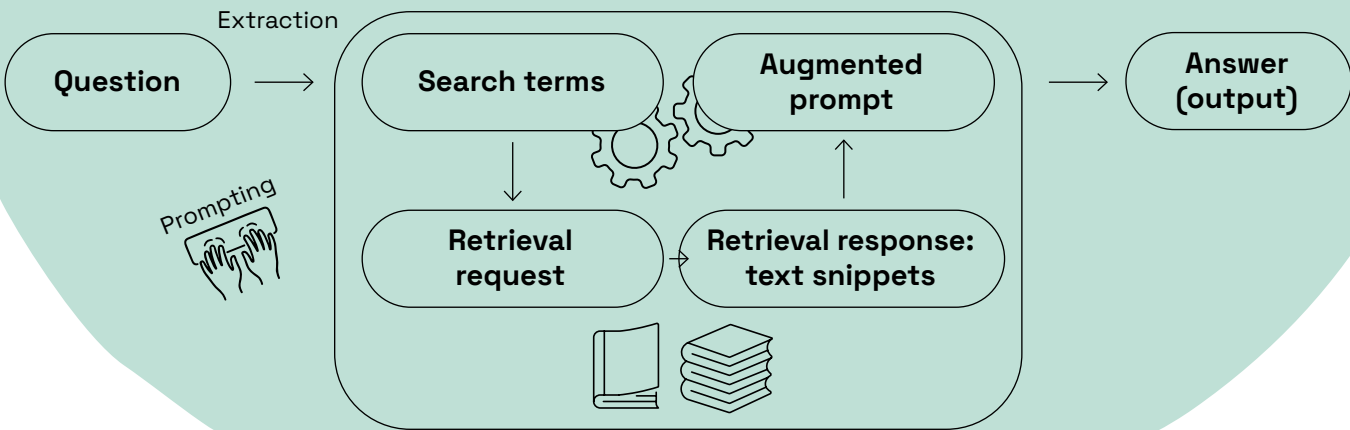
AI Research Guide

Your helper for finding information with AI

1 How it works



↳ How does "GenAI" work?

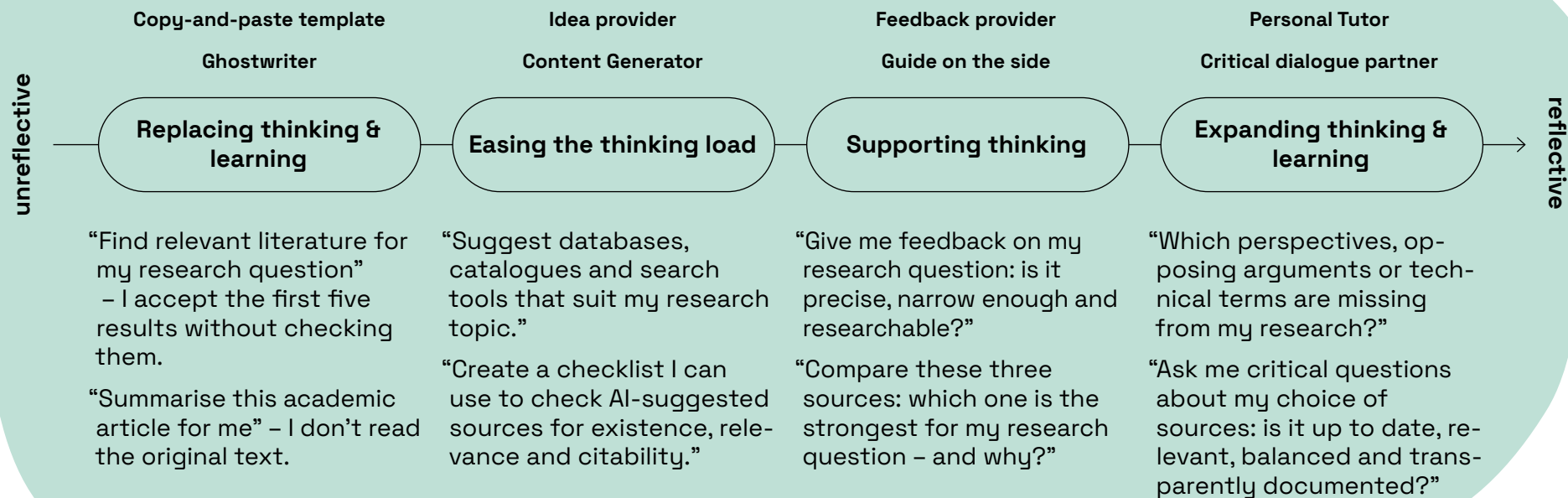


2 AI-powered research tools



3 Using AI wisely

Usage scenarios when working with academic information



Source: adapted from Buck / Limburg 2024 | uhh.de/kj1d6

5 Risks and side effects of using AI



Missed learning opportunities

Anyone who relies solely on AI results and doesn't think for themselves misses out on their own insights and learns less.



Discrimination

AI models give seemingly neutral answers – but they are based on unbalanced training data that also contains stereotypes.



Deskilling

When routine tasks or thought processes are outsourced, this hinders the development of one's own skills.



Loss of control

Large AI models are controlled by a few tech corporations – this raises questions about power, responsibility and manipulation.



Data security

Personal data, exam content or research data could be reused by tool providers.



Resource consumption

Training and running large AI models consumes enormous amounts of energy and water – at the expense of the climate and the environment.

4 Evaluating AI output



6 Academic integrity



7 Transfer questions

- What is my biggest takeaway?
- What do I want to bear in mind in future?



↳ Click on the QR code and record your insights!

