

Integrating Generative AI within EAP Pedagogy: Strategies to Reduce the Cognitive Load

Level of understanding	The Task	Commentary
Understanding & Analysis	- Look at the example below. You will notice that the two question prompts (the 'input') for ChatGPT differ – how? - How do the ChatGPT generated research questions change in response to the prompt change?	Explain the task Experiment with the tool Examine divergent results Analyze 'input' prompts and compare 'output' before creating your own prompt
Application	Ask DKU's Local Chat GPT tool (assessable through the intranet) to create survey questions for your research question. <i>[Please create survey questions to gather data about [your research question]]</i>	Homework task, bring to the next class (use it!) Different example prompts were shared with students Adopt a specific 'input' and 'output' requirement (<i>refine</i>)
Evaluation and Creation	- Working in project teams, examine the questions you have generated using the checklist below. Remember to think critically about each question and the purpose it serves. <u>Improve your questions together.</u> <i>Checklist:</i> - Does each question address one subject? - Are multiple choice questions randomized? - Are the questions exhaustive? Do you need an 'other' option? - Are multiple choice questions mutually exclusive? - Is each question actually a question or a statement? - Is the language clear and simple?	Foster discussion and collaborative working practice Not starting from the beginning. Therefore saving time and "offsetting the cognitive load"
Analyze	Pilot your survey with another group. As you answer the survey, note any problems you have with: - Understanding the question - Understanding the instructions - Clarity of language or expression	Experience being a participant, reflect critically on the 'participant experience' and apply this critique to enhance the questions
Creation	Enhance your survey questions Based on feedback and pilot experience, work together to improve your survey questions.	Additional guidance was provided for this section. Further enhancing quality, reach, variety and clarity.
Understand	Share additional tools and advice for creating and evaluating survey questions	Additional support