Designing and Conducting Online Studies on Human-Agent Collaboration with CoCu

Bachelor/Master – This thesis/project focuses on designing and conducting online studies to investigate human-human and human-agent collaboration using the *Cooperative Cuisine* platform. The aim is to utilize the existing online study system of Cooperative Cuisine to analyze aspects such as strategy development, communication, learning, and adaptation during collaborative tasks. The work includes planning experimental designs, implementing study protocols, collecting data, and analyzing participant behavior to gain insights into collaborative processes.

Links: cooperative_cuisine

Tasks

- Design online study protocols to investigate collaboration, strategy, communication, and adaptation in Cooperative Cuisine.
- Use and extend the existing Cooperative Cuisine online study system to implement and run the studies.
- Collect, process, and analyze data to evaluate collaborative behaviors and outcomes.

Your Profil

- Interest in human-computer interaction, psychology, or social aspects of AI.
- Basic programming or data analysis skills (e.g., Python or similar).
- Motivation to work with online study platforms and conduct empirical research.

Interested?

If you are interested or have further questions, please send an email to fschroeder@techfak.uni-bielefeld.de.

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