Wonder Document

Group description

Group name: AiAiAi

Our group is a group of five students that are taking a masters in design, use, interaction at UiO. We all have a bachelor in design use, interaction from UiO, but with different specializations. The group members are:

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Problem

Before we can define a problem regarding AI, we have to understand what Ai is. IBM defines AI as “Artificial intelligence (AI) is technology that enables computers and machines to simulate human learning, comprehension, problem solving, decision making, creativity and autonomy” (*What Is Artificial Intelligence (AI)?*, 2024).

Choosing one specific issue regarding interaction with AI is hard due to the field being relatively new with HCI and AI converging as explained by Jonathan Grudin (2009), where AI and HCI has been seen as opposing fields rather than collaborative (Grudin, 2009). We know beforehand that we want to delve deeper into how students and or academics interact with AI and how it affects them in their studies or daily life. With us being students ourselves, it is easy for us to gather crucial data that can answer our problem statement. In our modern day school system, a lot of structure is “one-size fits all”. We therefore want to get a better understanding of how AI can help students develop their own structure to their studies.

User

We are looking into general students that are attending university.

Questions

Since we have already some assumptions about how to organize life of a student, we want to find the answers of these questions:

How are students structuring their daily–life?
To understand the role AI could play in the lives of students, we find it interesting to investigate the current methods students employ to manage and structure their daily lives. This includes observing their strategies for organizing tasks, managing time, balancing academic responsibilities with personal activities, and coping with stress. By assessing the existing practices and challenges, we can identify opportunities where AI might offer support.

Could AI be used to effectively organize a student's chaotic life?
We want to focus on the potential for AI to bring order to the chaotic lives of students. We want to look for ways AI might assist in task prioritization, schedule optimization, and overcoming procrastination. Exploring AI's potential to serve as a personal assistant—through tools like calendar apps, reminder systems, or even more sophisticated AI coaching systems—could reveal opportunities for improving students' efficiency and reducing stress.

Can AI make improvements on students motivation?
Motivation is a crucial element in student success, and understanding how AI could influence it is a compelling line of enquiry. This question examines whether AI-driven products might enhance engagement and motivation. It also looks into the possible side effects of such AI interactions, such as dependency or decreased self-efficacy. We want to learn more about how students improve motivation with the article "Profiling individual differences in student motivation: A longitudinal cluster-analytic study in different academic contexts" by Ivar Bråten and Bodil S. Olaussen (2005).

Methods

To tackle the issue we want to address, we have to have a double diamond approach. For the "discover" part of the model, we want to get a better understanding of the fields relevant to our issue. We plan on doing literature reviews do get deeper understanding of both the AI field, but also research about student behaviour itself. After we have a better understanding of the fields, we want to pick out several crucial papers to go more into detail (define). We also plan on doing semi-structured interviews with our users along with observation to see

how they structure their academic work for the “develop” part of the model. For the last part of the model “deliver”, we want to see what existing products or services already exist and see how users use them (*What Is the Double Diamond Design Process?*, n.d.). Therefore we would like to use the method diary, and having users use Reclaim.ai for a week and having them report back to us.

Bibliography

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