Wonder document - first delivery

Heidi, heibr.

When it comes to "interaction with AI", I am interested in users and designers' understandings and perceptions of AI systems.

I would like to understand more about what challenges AI poses to the design of interaction, understanding and perceptions of AIs. (Yang et al., 2020) suggest that separating between different types of AI technologies and between different modes of outputs is needed to understand the challenges posed to human-AI design, and that AI definitions often are too general to meet this requirement. I wonder what kind of different challenges different AI technologies poses to user understanding and how they affect user perception?

There are several interesting perspectives on understandings and perceptions of AI. Looking for interesting perspectives on users understanding and perceptions, I found, among others, that (Dillon & Schaffer-Goddard, 2022) have interviewed AI researchers to find out what kind of literature they read. They suggest that cultural and fictional perceptions of AI might also affect the people developing and researching AI. Another interesting perspective is conceptualized in design research literature as perceived "creepiness" of technology (Woźniak et al., 2021). Jasmin Niess have developed a scale for perceived creepiness of technology (Woźniak et al., 2021).

To understand more about the challenges that AI poses to design, I would like to conduct a research through design experiment to design for creepiness and involve potential end-users to evaluate it.

References

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