NAME: ChatGPT and the impact on education

DATE: May 19, 2024 3:31 PM

DESCRIPTION OF TECHNOLOGY
OpenAI has trained a model called ChatGPT which interacts in a conversational way. The dialogue format makes it possible for ChatGPT to answer followup questions, admit its mistakes, challenge incorrect premises, and reject inappropriate requests. In this cycle we explore the impact of ChatGTP on society and specifically on (higher) education.

HUMAN VALUES

It might be an idea to let the tool give multiple answers and references, so people can dive into information from others also, instead of listening to a system 'mansplaining' everything from one perspective.

TRANSPARENCY

IMPACT ON SOCIETY

At the moment CHATGPT has been trained with data up to and including September 2021. The data is one and a half years old. That's wise. It does not seem advisable for CHATGPT to get involved in current discussions.

CHATGPT is censored and has not been trained with all kinds of erotic material (say 90% of the internet). But it is not clear when it is and when it is not censored. That could be clearer.
…

STAKEHOLDERS

It might be a good idea to make it transparent to all stakeholders if input is generated by an AI or not.
But, it might also be an option to not assess students on knowlegde alone (because this can easily be generated or replicated), but on the process and the application of that knowlegde. It that way tools like this do not have to be a tread to education, but can be a helpfull tool.

SUSTAINABILITY

Promote the use of pre-trained models and keep the energy consumption as low as possible

HATEFUL AND CRIMINAL ACTORS

I think the tool has to explain where the answers come from, so people can make up their own minds. Also people should get the same kind of access to it, so that everyone can benefit from it in the same amount. Co-Founder Elon Musk says the best defense to people creating things we are concerned about is "to empower as many people as possible to have AI. If everyone has AI powers, then there's not any one person or a small set of individuals who can have AI superpower."
…

DATA

We think the model could be better if open-sourced.

FUTURE

Make sure that people have equal access to the tool and let the tool propose multiple answers where people can choose from, so they can make up their own minds, but still profit from the options the tool delivers.

PRIVACY

There are some easy improvements here.

- Ask for a suscription;
- In return allow people to manage their own data;
- Only use data to improve the system;
- Do not personalize except when absolutely necessary;
- Do not share personal data.
But, I am afraid the data is too valuable to do so.

INCLUSIVITY

We don't know the cultural backgrounds of the people at OpenAI exactly, but they seem to come from a silicon valley incrowd. IT might be a good idea to make this team broader.

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HUMAN VALUES

Now that you have thought hard about the impact of your technology on human values, what improvements…

If you think about the impact of this technology on human values and needs. If you think about how this technology affects the identity of the user, the autonomy of the user (can the users make their own decisions?) and the health and well-being of the user. If you think about all that, what improvement would you (want to) make? In the technology?…

TRANSPARENCY

Now that you have thought hard about the transparency of this technology, what improvements would you like t…

If you think about the communication on the way the technology works and the businessmodel. If you think about the explanation on automatic decisions that are made. If you think about complaint procedures and transparency on possible negative effects. If you think about all that, what would you (want to) improve? In the technology? In context?…

IMPACT ON SOCIETY

Now that you have thought hard about the impact of this technology on society (by filling out the questions…

If you think about the real problem this technology is going to solve. If you think about the ability of this technology to solve the real problem. If you think about possible negative effects and whether this technology will contribute to a world you want to live in. If you think about all that, what improvements would you make? In technology? In context? In use?…

STAKEHOLDERS

Now that you have thought hard about all stakeholders, what improvements would you like to make? List them…

If you think about all stakeholders of this technology. If you think about stakeholders that are less obvious. If you think about the way certain stakeholders are affected by this technology and if you want to take them into consideration. If you think about all that, what would you (want to) improve? In the technology? In context? In use?…

SUSTAINABILITY

Now that you have thought hard about the sustainability of this technology, what improvements would you like t…

If you think about the direct and indirect energy use and the materials that are used in the technology. If you think about the lifespan of the technology and the hidden environmental impact of the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?…

HATEFUL AND CRIMINAL ACTORS

Now that you have thought hard about how bad actors can impact this technology, what improvements would…

If you think about this technology being used to break the law, or avoid the consequences of breaking the law, or to be used against certain groups, or to attack the truth or to pit certain groups against each other. If you think about all of that, what improvements would you (want to) make? In the technology? In context? In use?…

DATA

Now that you have thought hard about the impact of data on this technology, what improvements would you…

If you think about the limitations of data. Things like subjectivity, incomplete datasets and so on. If you think about the way new insights are handled. If you think about the sustainability of the collection of data or the data that is collected from the users. If you think about all that, what would you (want to) improve? In the technology? In context?…

FUTURE

Impact Improvement: Now that you have thought hard about the future impact of the technology, what…

If you think about an utopian and a dystopian scenario. If you think about the way this technology can change the world. If you think about the consequences of a different party buying your technology. If you think about all that, what would you (want to) improve? In the technology? In context? In use? …

PRIVACY

Now that you have thought hard about privacy and data protection, what improvements would you like to make?…

If you think about this technology invading someone's privacy or collecting personal data and if you think about the way this technology is compliant with prevailing law and mitigates dataprotection risks and concerns. If you think about all that, what improvements would you (want to) make? In the technology? In context? In use?…

INCLUSIVITY

Now that you have thought hard about the inclusivity of the technology, what improvements would you like to…

If you think about accessibility to this technology. If you think about built in biases or automatic decisions that may be biased. If you think about who is benefitting from this technology and the diversity of the team that creates the technology. If you think about all that, what improvements would you (want to) make? In the technology? In context? In… use?

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