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What Do Social Scientists Know About AI

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Introduction

The world of technology will never cease to end the cycle of growth. Many areas of society depended on technology and the countless tools that the advancements have brought forward. Therefore, the additional of the growing rate of AI centered tools will also continue to grow as well within society. A popular language AI being that of ChatGPT. Much like all other advancements that have been birthed from technology there are downsides and upsides to the now human like growth that is being created and programmed.

Description of AI

The concept of AI comes from the understanding of Artificial Intelligence. AIs are fed data in order to detect patterns within the material that is being fed into the AI. Thus, being able to provide the intended results for the scenario that is presented to the AI. A base example of an AI is that of the rise of art AI generators. While different from ChatGPT, being a language-based AI, art AI generators are created by feeding the generator a certain style of artwork so that way the AI can learn the goal style that is being presented to it. Then after a fair number of images are presented to the AI the AI can then generate a stylized image on its own upon the request of the user.

Art AIs and ChatGPT are highly different on how they are accepted in society. This is mostly due to art AIs are focused for one goal, create AI art. Whereas ChatGPT is a language-based AI, meaning that the AI will hold conversations with the user as if it was another human being communicating with you. This presents a wide range of uses, from tutoring a student to becoming someone's companion. ChatGPT is a tool based in AI technology that much like the other tools that are present to modern day society, it is up to the user if they wish to use ChatGPT for ethical or unethical use.

Ethical Use of AI

Considering the growth that AI based technology has already had on society there is bound to be changes within many different occupational and creative fields. The article *AI and the future of work: 5*

experts on what ChatGPT, DALL-E and other AI tools mean for artists and knowledge workers covers a range of growth hurdles that can be foreseen with the growth of AI tools. Beginning with the positives, there is found to be a good chance of new skills that will be introduced to society from the leaps in technology. There is also the risk that old jobs will become automated, but in their place new jobs will begin to grow.

While the use of AI tools is prohibited in most schools due to the unethical use of AI tools to falsely submit assignments. The article titled *4 ways that AI can help students* brings in a different viewpoint on using AI in an academic sense. The article provides four main different ways that AI technology is being developed to help students learn and adapt to the different learning styles that the user may require. This shedding a different light on how AI has been viewed overall in the academic world. The four main categories that the article focused on was differentiated instruction, the development of the intelligent textbooks AI, improved assessment of the student's comprehension, and personalized learning. Covering the benefits of developing and already developed AIs for all areas of education. From the root of personalized learning to the teacher instructing and being able to gage the comprehension that their students have over the subject being presented.

Unethical Uses of AI

Tools can be used to help in both a positive manner and a negative one, with AI being no exception to this. The articles *AI and the future of work: 5 experts on what ChatGPT, DALL-E and other AI tools mean for artists and knowledge workers*, *How ChatGPT robs students of motivation to write and think for themselves*, *It takes a body to understand the world – why ChatGPT and other language AIs don't know what they're saying*, and *Don't bet with ChatGPT – study shows language AIs often make irrational decisions* cover the most prominent areas of ill use of AIs in the current day. Multiple of those articles covering the flaws within the AI's speech and how the information being asked of it is often times twisted and makes irrational decisions in turn.

As previously mentioned, the use of AIs in an educational viewpoint is often times frowned upon. The article *How ChatGPT robs students of motivation to write and think for themselves* goes into depth about the variety of topics that pose a threat to students learning abilities with the use of AI. Mostly because the AI will complete the work in seconds and will provide the student user with a fraudulent assignment. This then does two main unethical factors when using the AI, the first being that of committing fraud by saying the assignment was completed by the student rather then the AI that was used. Along with the second factor and that was the student did not learn from the given assignment.

The similar formula can also be applied to areas of the occupational world. Such as the creativity that can be found within the AIs leading to a loss of skill that is presented in the working world. Leading to issues such as if art AIs can generate images in seconds, then why have the artist population themselves. These being the leading factors that represent the ill side of AI tools and the growth of their development.

<u>Conclusion</u>

AIs are an amazing advancement in the world of technology, but just like the addition of anything new there are bound to be positive and negative factors along with it. The positives that surround AI is that people will have a new type of tool to be able to automate and ease the means of workflow and education. Though the negatives go hand in hand with the fear of losing jobs along with the lack of learning that might stem as a result of the use of AI.

Overall, AI is a new form of technology-based tool that anyone will be able to pick up and use in their life. Where AIs have become very automated, they still depend on the user to provide instruction. Therefore, it is to not blame the legal AI for the ill doings that other's are using the tool for, but those that are choosing to use a tool meant for advancement for hindering there own growth.

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