

The Effects of ChatGPT

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1. Abstract

The purpose of this research was to examine how the use of ChatGPT influenced human thinking, behavior, and academic work, particularly in school environments. As artificial intelligence tools became more accessible, students increasingly relied on them for assistance, raising questions about the extent of their influence on learning and decision - making. This study was conducted to better understand how frequently individuals used ChatGPT and how it affected their approach to completing tasks. Data were collected through individual online research, analysis of multiple web based sources, and active interviews with participants. These methods allowed researchers to compare behaviors before and after exposure to ChatGPT and to identify patterns in reliance on artificial intelligence for information gathering and problem solving. The results showed that ChatGPT significantly changed how participants approached academic work, including increased efficiency and reduced independent research efforts. Participants demonstrated a tendency to trust AI - generated responses, which influenced their behavior and decision - making processes during tasks and interviews. These findings suggested that while ChatGPT provided helpful support, it also altered traditional learning habits and critical thinking practices. Future research should further investigate the long term cognitive and academic effects of artificial intelligence use in educational settings. Additional studies could focus on developing strategies to balance AI assistance with independent learning to promote responsible and effective use.

2. Acknowledgements

We would like to thank Ms. Tripathi for allowing and trusting us to provide everyone with our amazing project. Her guidance and patience is unprecedented. All of her students are extremely grateful for having her as a teacher throughout this project. We would also like to thank our interviewees for giving their input and time to help us complete our research, their responses are greatly appreciated.

3. Introduction

In recent years, AI, more specifically ChatGPT, has been on the rise gaining massive popularity and finding usage for all types of people. To understand ChatGPT's effect on students and learning like we'll be doing in our project, we first need to understand what it is. ChatGPT is an AI chat bot made by OpenAI that generates responses based on your given prompt, it can process images

4. Purpose

The purpose of this project is to represent the abundance usage of Artificial intelligence throughout American High School's. While ChatGPT uses all the input it receives to grow its knowledge and constant use will keep it growing and it's still a demo. Using Artificial intelligence to achieve the goal faster is just a short cut and leaves you with less stress, but in the long run it will affect your creative thinking skills making you rely more on technology. It's not always good to take shortcuts especially when your mind is at risk and we are researching on this topic

5.Problems

The problem we are trying to solve is how much ChatGPT has affected how people have behaved and acted after the usage of ChatGPT as well as how it influences them.

6.Hypothesis

It is connected to the purpose as ChatGPT has had a massive impact on human activity and behaviour it can change humans actions with enough time causing them to feel more drawn and used to it

7.Variables

Independent Variable: The students that are giving their opinion.

Dependent Variable: The student's opinion of ChatGPT's affect on learning.

Constants: The questions being asked.

8.Materials

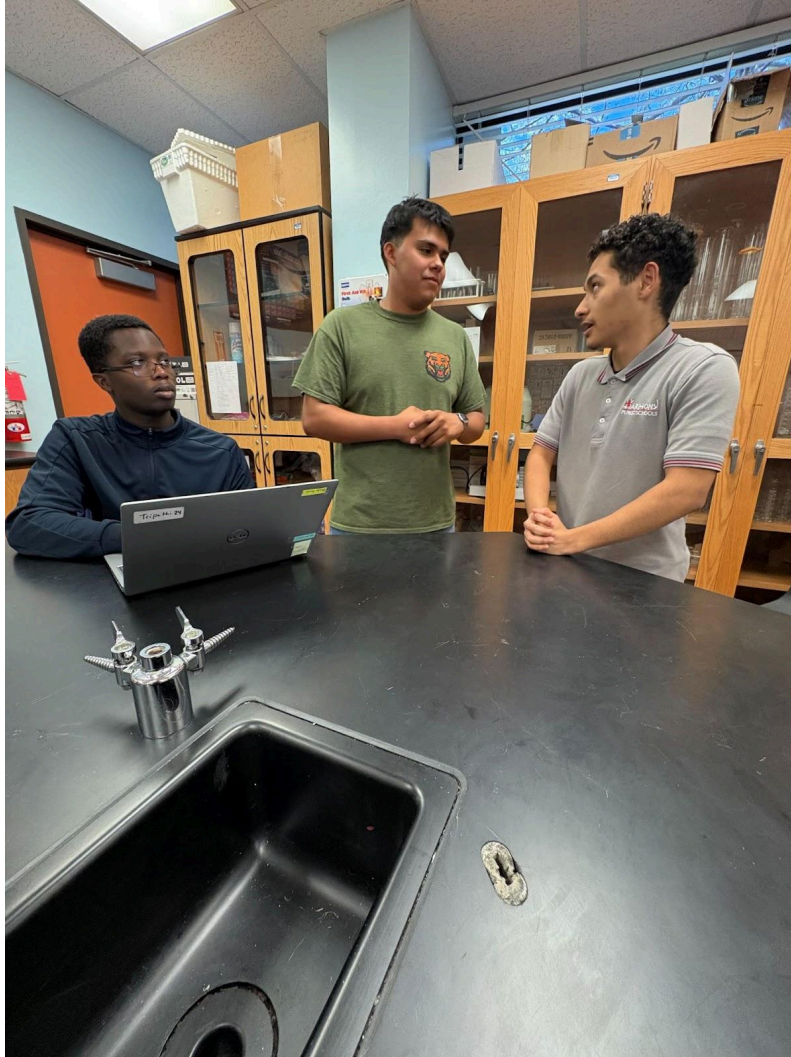
The materials we required were a computer to record answers and participants to interview.

9.Procedures

To conduct this experiment we simply asked students to give us their opinion on AI and we recorded their answers to our questions.

10.Pictures





11.Data Table

	Question 1	Question 2	Question 3	Question 4	Question 5	Question 6
Student 1	Positive	Often	Schoolwork	Both	Better	No
Student 2	Positive	Occasionally	Summarizing	Cheat	Worse	No
Student 3	Positive	Occasionally	Coding/History	Learn	Mixed	Sometimes
Student 4	Positive	Often	Explanation	Both	Worse	No

12.Graphs

13.Analysis

Based on the results there were many similarities of there being usage of chatGPT to benefit them as well as how it helped them for the better as well as less procrastination and learning

14. Conclusion

In conclusion, has ChatGPT affected and influenced people's minds? The answer is yes as many in school are aware of it and have used it for their benefit whether it is to learn or to cheat as either way they are aware of using it and how ChatGPT has indeed changed how people are influenced when using it.

15. Applications and further research

16. Bibliography

Books : “Co-Intelligence: Living and Working with AI” by Ethan Mollick, “Artificial Intelligence: A Guide for Thinking Humans” by Melanie Mitchell, Livewire, incognito and the brain book by David Eagleman, Nexus by Yuval Harai, Super intelligence by Nick bostrom

Articles

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