

# ChatGPT Survey

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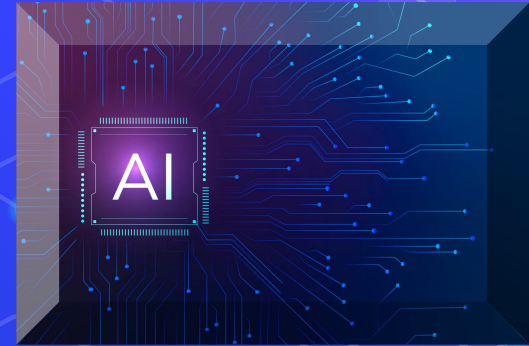
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# Introduction

## To ChatGPT

- Developed by OpenAI
- Generates human-like text
- Understands and formulates responses with human language
- Natural language processing is a subfield of AI



# History of ChatGPT

- ❖ Current version released in November 2022
- ❖ First version of the bot has been in development since 2018
- ❖ First version was able to do text completion, question answering, and machine translation
- ❖ Current version can process 25,000 which is 8 times more than the previous version



# Findings

- 87% of participants heard of ChatGPT, 49% use it for academia (Figure 1 & Figure 2)
- For those that have used it for academia, 63% reported an improvement in their grades, and 37% of individuals did not see any improvement in their grades. (Figure 3)
- Of those who have heard of ChatGPT, roughly 27% say universities should ban ChatGPT, 46% disagree with a ban, and 27% are neutral. (Figure 4)



# Figures 1 & 2

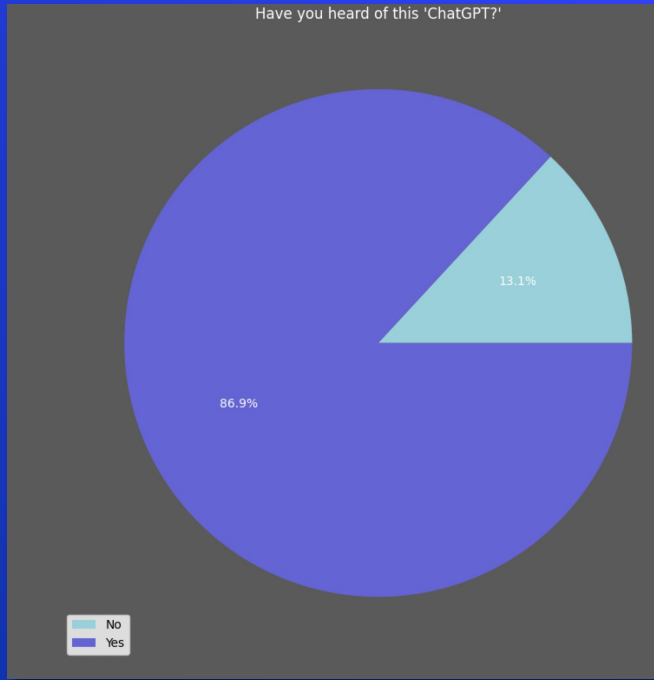


Figure 1. Percentage of students who have heard of ChatGPT.

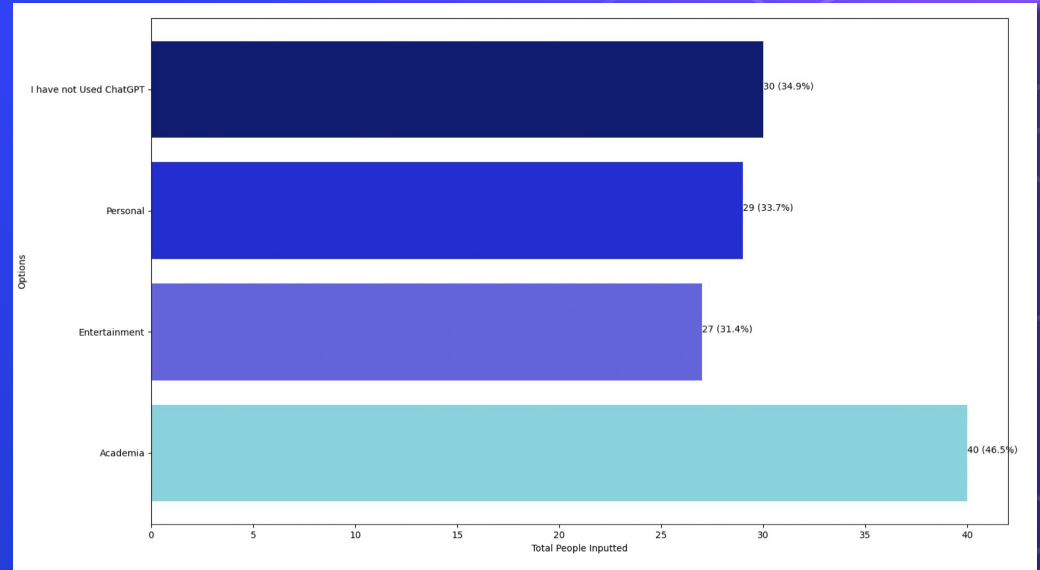


Figure 2. How students use ChatGPT.

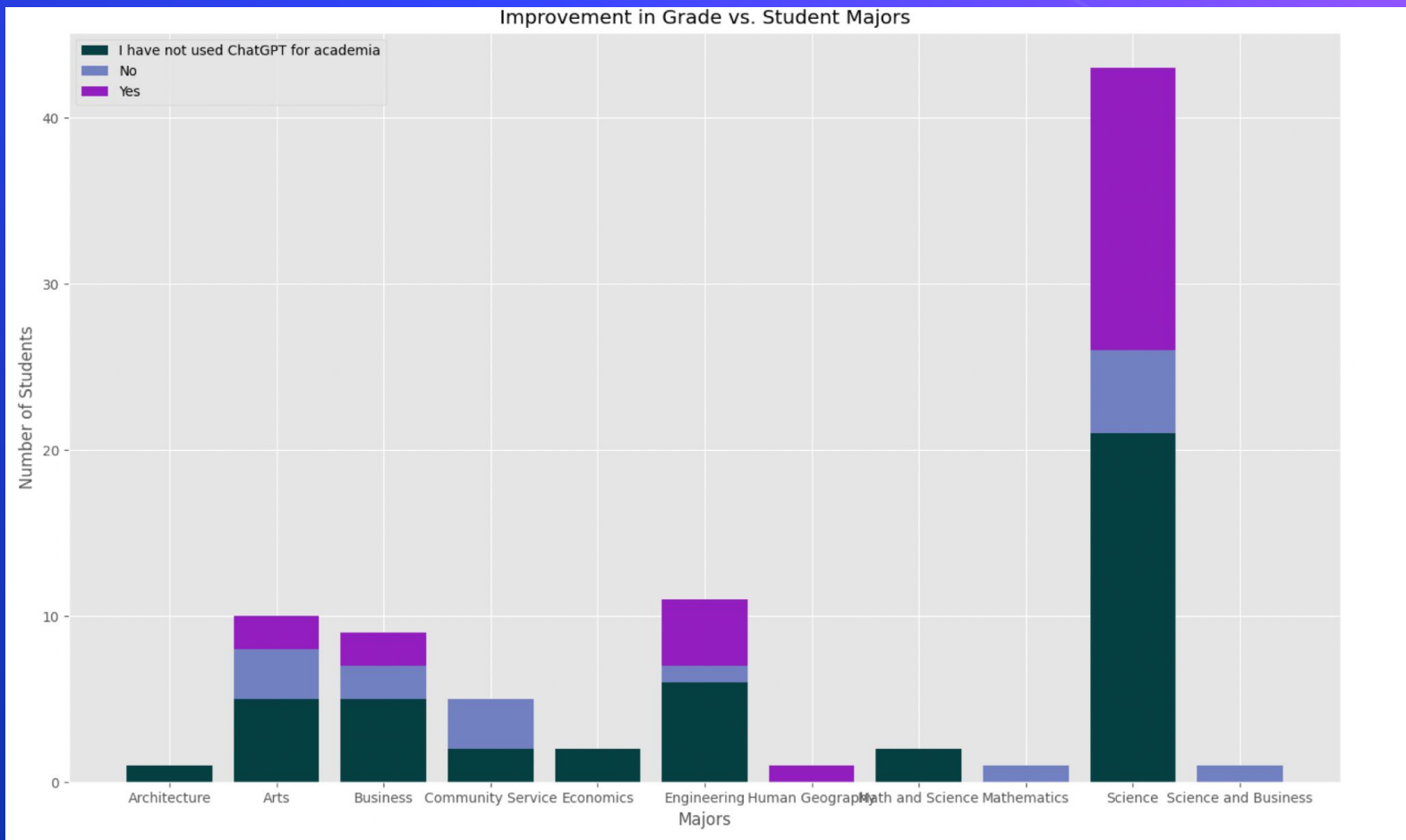


Figure 3. Comparison of majors and if they have seen an improvement in their grade after using ChatGPT.

Statement: Schools should ban the usage of ChatGPT due to it being under the category of academic dishonesty.

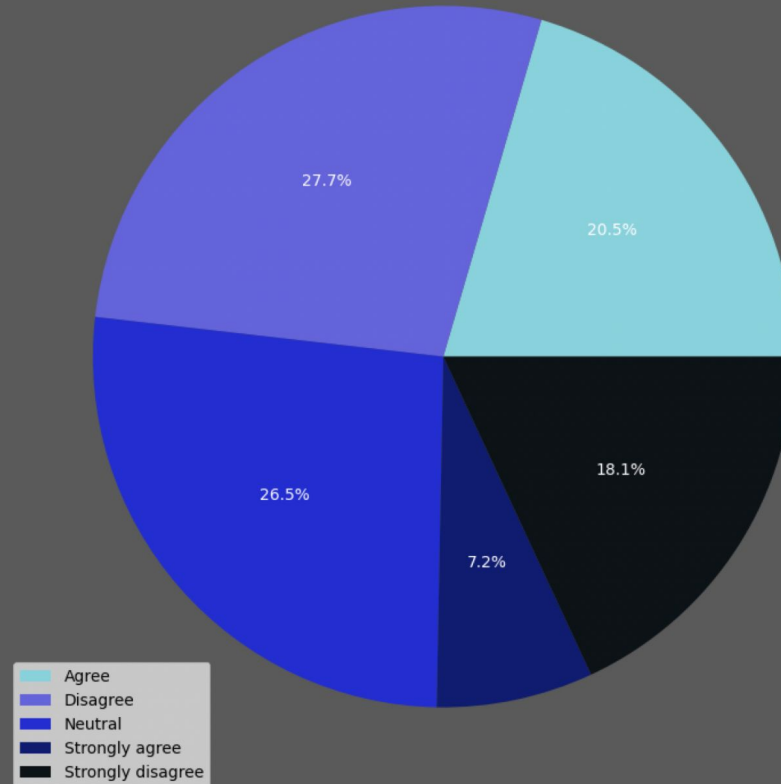


Figure 4. Opinions of students on the statement, "Schools should ban the usage of ChatGPT due to it being under the category of academic dishonesty."





It can be discerned that the majority of users felt as though the use of ChatGPT aided in the improvement of their grades and assisted in their learning experience.



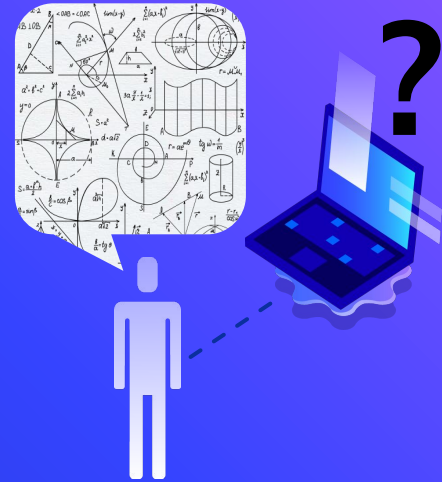
# Benefits

- ⬡ Fast Response Times
- ⬡ Saves Time
  - No more need to look through multiple pages on Google
- ⬡ Summarization of Texts
- ⬡ Teaching Aid for students with hearing impairments
- ⬡ Feedback
  - Quality and Correctness of Writing



# Limits

- ⬡ Creative Writing
- ⬡ Mathematics
  - Complex Problems and Theories
- ⬡ Ethical Considerations
- ⬡ Specific data could lead to biased responses and wrong results



# Future of ChatGPT

## ⬡ Writing

- Inspiration & Grammar

## ⬡ Research

- Information Retrieval

## ⬡ Programming

- Syntax & Information about languages

## ⬡ Mathematics

- ChatGPT can be used to it's full but limited capabilities



# Conclusion

- Useful tool for summarizing and information retrieval
- Saves time
- Could become overutilized
- Limitations and Bias
- Balancing
  - Risks VS Benefits
  - Learning VS Academic Dishonesty

