

# How is ChatGPT integrated into society following its release? Students and their new tool

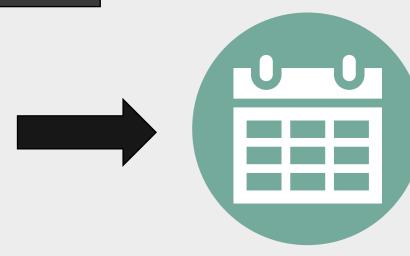


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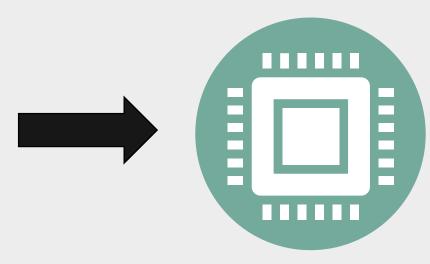
## Introducing ChatGPT



What is ChatGPT?



Released Nov 30th, 2022



Large Language Model trained on "internet text" to interpret "humanlike text". Used to answer questions and prompts. Is accessible to anyone with a device and Wi-Fi for free. (ChatGPT, 2023)

### Research Questions

How many students have heard of ChatGPT?

What are the experiences around ChatGPT and cheating?

What are the opinions around ChatGPT made by and heard by students?

## Methods Study 1 Study 2 26 **234** Trained Students **Observers** F: 59% | M: 39% | N: 2% Avg age: 21 | SD: 4.27 10 weeks Jan-Mar 2023 Race: 46% Asian, 21% White, 20% Hispanic 239 Reports Students were asked: Have you seen anyone using ChatGPT?

**ChatGPT?** 

using ChatGPT in ways that

seemed beneficial?

**Observers** were

asked to observe

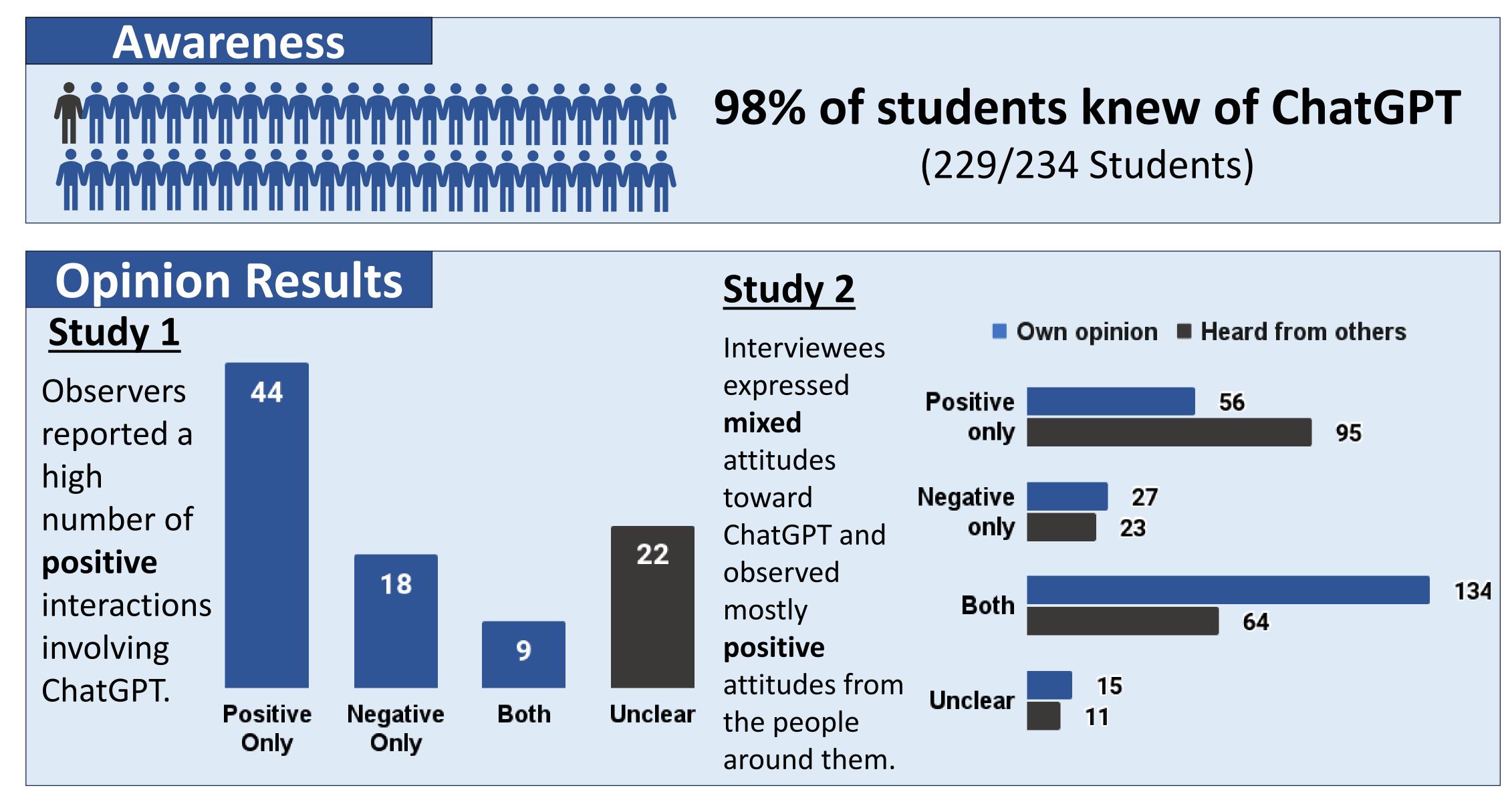
and take notes on

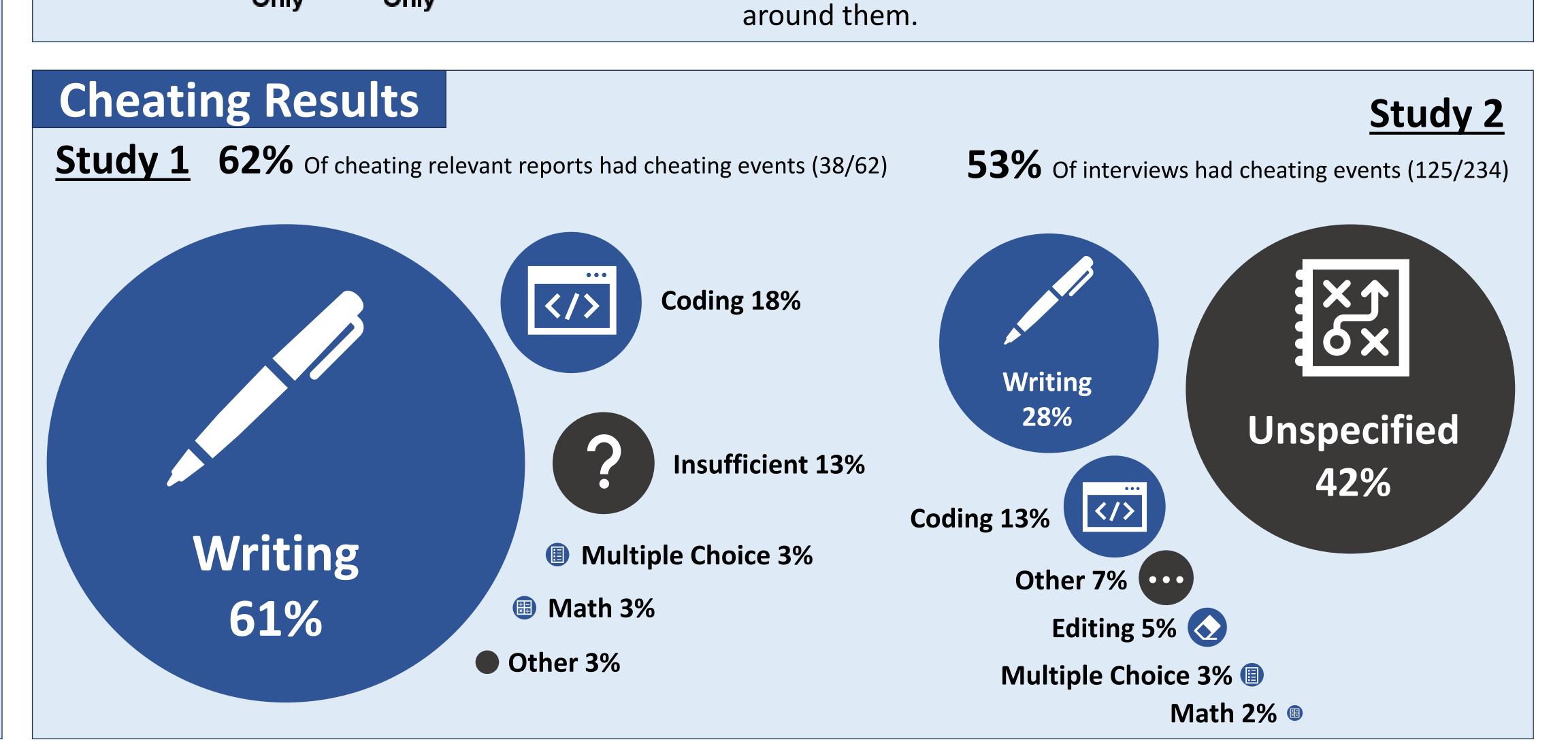
any conversations

involved ChatGPT

or actions that







#### Discussion

#### How many students have heard of **ChatGPT?**

98% of interviewed students (study 2) know of ChatGPT. Implies quick uptake of new technology within college students.

#### What are the experiences around **ChatGPT and cheating?**

Both studies had over half of discussions that included cheating with the use of ChatGPT. One cannot deny that it is being used for academic dishonesty.

#### What are the opinions around ChatGPT made by and heard by students?

Study 1, had mostly positive views. Study 2 has a high number of interviewed students who had mixed views about ChatGPT which exposes that the discussion surrounding ChatGPT is not all black and white.

"I think it is very helpful and useful...I think Benefits are helping students understand concepts and risks can be students cheating on assignments."

"I think it is a pretty cool piece of technology. However, I feel like if abused, it could potentially take over people's live in an unhealthy manner. "

#### What does this mean for instructors?

ChatGPT is here and is being used by students. Educators must acknowledge this to find a solution that would integrate both Al and education. If educators oppose ChatGPT, it is unlikely that it will deter students. Even with classes that banned ChatGPT, students still used it. Moving forward we must think about what we can do to steer the use of AI in education in the right direction.



# How is ChatGPT integrated into society following its release? Students and their new tool.



Sylvia Zuniga, Ava Gabrenya, Dr. Tal Waltzer (PhD), & Dr. Gail D. Heyman (PhD)

# History of ChatGPT

ChatGPT was released on November 30<sup>th</sup>, 2022. After 9 months of its release, ChatGPT accumulated 100 million users (Hines, 2023). Following its release, school bans of ChatGPT started to rise due to the concern that students were using the AI to cheat (Johnson, 2023). Although educators are worried about ChatGPT being an issue, researchers have suggested ways to integrate AI into a student's education. ChatGPT and other AI models can help customize learning experiences and help educators with learning plans (Kasneci, et al., 2023).

## More Methods

## Study 1 Prompts Given

- 1. Have you observed anything relevant to Chat GPT in the last week?
- 2. How many events did you observe related to Chat GPT this week?
- 3. Did any of the following things happen in your observations this week? (Y/N)
- Event initiated by a student
- Event initiated by a teacher

- Event initiated by another source. Other source could be a family member, co-worker, etc...
- Event involving an academic assignment. An event involving an academic assignment could be if some students were using Chat GPT to complete homework
- 4. Please summarize each of the observed events below.
- 5. Enter all quotes, as close to word-by-word as possible, that you were able to capture for each of these events.

# Coding

Coding schemes:

Study 1 on the left

Study 2 on the right

Quotes from interviews on the far right

Scheme	Description	Categories
Agent	Who is the source of this information? Who produced this statement or behavior?	Peer, Family, Teacher, Other, N/A
Type of interaction	How did the observer gain this information from the agent?	Personal, Overheard, Announcement, Other, N/A
Relevant to cheating	Whether any of the observed content is potentially related to cheating	1, 0, N/A
Cheating event presence	Was there an actual cheating event present?	1, 0, N/A
Type of cheating interaction	(if cheating) What specific type of cheating has ChatGPT been used for? If an observer was able to capture this, assign 1 or 0 for each category.	Writing assignment, Multiple choice, Coding assignment, Math assignment, Editing, Other, insufficient info, N/A

Scheme	Description	Categories
Awareness	Is the interviewee aware of what ChatGPT is?	1, 0, insufficient info, N/A
Positive Outside Evaluation	Did they hear any positive attitudes?	1, 0, insufficient info, N/A
Negative Outside Evaluation	Did they hear any negative attitudes?	1, 0, insufficient info, N/A
Positive Self Evaluation	Did they have any positive attitudes?	1, 0, insufficient info, N/A
Negative Self Evaluation	Did they have any negative attitudes?	1, 0, insufficient info, N/A
Usage	Has the interviewee seen ChatGPT usage?	1, 0, insufficient info, N/A
Cheating event presence	Was there an actual cheating event present?	1, 0, N/A
Type of cheating interaction	(if cheating) What specific type of cheating has ChatGPT been used for? If an observer was able to capture this, assign 1 or 0 for each category.	Unspecified assignment, Writing assignment, Multiple choice, Coding assignment, Math assignment, Editing, Other, N/A

and its not positive, its very negative. Lots of criticism, concern and fear around it."

"They think it's dumb. It's unfortunate that we have something to replicate writing and music; things that historically people have done because they enjoy it..."

"Yes, he was very concentrated and he told it to write and essay for him. Then he taught me how to use it."

Hines, K. (2023, June 5). History of ChatGPT: A timeline of the meteoric rise of Generative AI Chatbots. Search Engine Journal. <a href="https://www.searchenginejournal.com/history-of-chatgpt-timeline/488370/">https://www.searchenginejournal.com/history-of-chatgpt-timeline/488370/</a>

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