



Attitudes Towards ChatGPT: A Case Study of ChatGPT Adoption Among Student and Non-Student Groups



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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 ChatGPT 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.

Study 2 Interview Questions

- Have you **seen** anyone using ChatGPT?
- Have you **heard** any people talking about ChatGPT?
- What do you **think** about ChatGPT?
- Have you seen anyone using ChatGPT in ways that seemed **inappropriate**?
- Have you seen anyone using ChatGPT in ways that seemed **beneficial**?



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Study	Scheme	Definition	Category	Example
1 & 2	Positive Attitude of ChatGPT	A positive attitude of ChatGPT is any positive opinion about ChatGPT.	1, 0, N/A	<i>Did not seem to care if students used Chat GPT, <u>thought it was cool.</u></i>
1 & 2	Negative Attitude of ChatGPT	A negative attitude of ChatGPT is any negative opinion about ChatGPT.	1, 0, N/A	<i>Every time I asked ChatGPT to do math questions it did it <u>wrong.</u></i>
2	Others' Attitude Positive	Any positive opinion of ChatGPT the participant heard from the people around them (e.g., their social circles, family).	1, 0, N/A	<i>Yes...usually talk about AI generally at work...Attitudes usually positive.</i>
2	Others' Attitude Negative	Any negative opinion of ChatGPT the participant heard from the people around them (e.g., their social circles, family).	1, 0, N/A	<i>Yes, people are very <u>skeptical</u> and its <u>not positive</u>, its very <u>negative.</u></i>
2	Types of Benefits	Any effect that is helpful or advantageous to society that the participant believes ChatGPT may bring.	Learning, Information, Efficiency, Creativity, Entertainment, Other, Unspecified Benefit, N/A	<i>She thinks it is <u>extremely beneficial</u> for society as it encourages individuals to be more <u>efficient</u> in their work.</i>
2	Types of Risks	Any effect that is bad or dangerous to society that the participant believes ChatGPT may bring.	Criminal influence, Misinformation, Plagiarism, Overreliance, Job insecurity, Cheating, Other, N/A	<i>Many parents and educators are <u>concerned</u> that their kids or even students in general are going to become <u>reliant</u> on ChatGPT.</i>



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Study 1 | Jan-Mar 2023



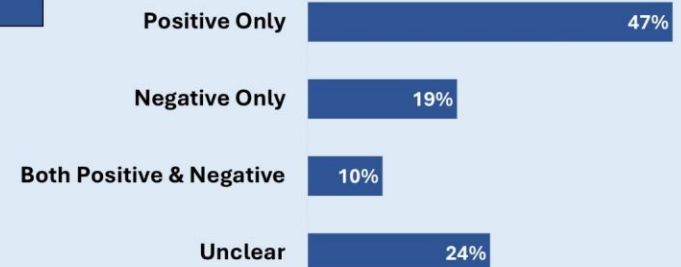
Observers tasked to observe and take notes on any conversations or actions that involved ChatGPT. **239 reports** were collected. **74/239 reports** had ChatGPT related content. In those 74, **106 events** had ChatGPT related content.

"I don't really know how I feel about it yet. I guess I expected this technology to come eventually"

"I had an assignment due Thursday and I just used ChatGPT to help me finish with the rest of my writing assignment".

Study 1 Results

A majority of observed events seemed **positive**. However, there is a large number of **unclear** attitudes, meaning a study looking closer into attitudes directly was considered (Study 2).



Study 2 | Apr-Jun 2023



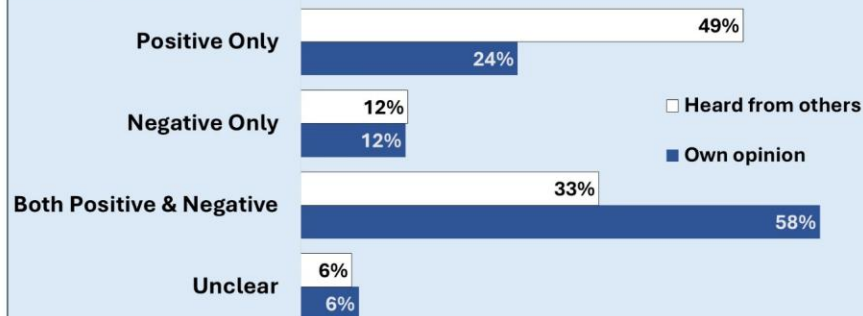
Interviewers tasked to interview one student and one non-student each week through convenience and snowball sampling. Interviews took place through the method and setting most convenient for the participant. **234 students & 211 non-students** were interviewed.

"A good number of people I know use ChatGPT for basically all their homework and online tests"

"Overall...ChatGPT will come with pros and cons...not really sure if the cons are worth it in the end"

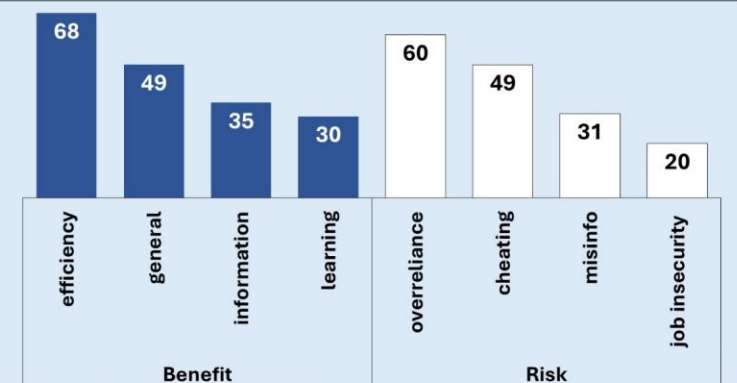
"Many parents and educators are concerned that their kids or even students in general are going to become reliant on ChatGPT"

Study 2 Student Results

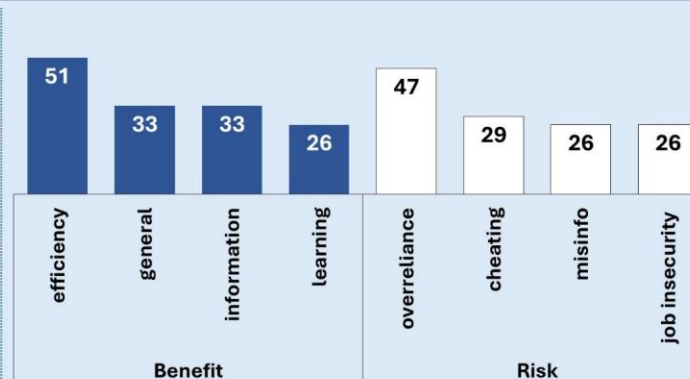
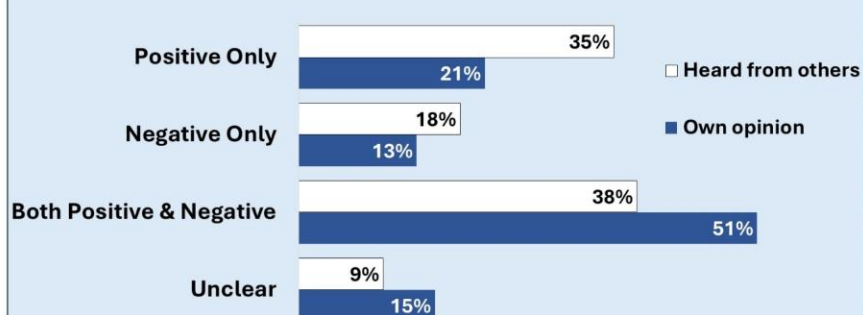


The figures on the left show the attitudes of participants both heard from their social circles and their own attitudes on ChatGPT.

The figures on the right show the top 4 benefits and risks named by participants (participants could give more than one of each).



Study 2 Non-Student Results



Overall Discussion

Both Study 1 and 2 were conducted just a couple of months after ChatGPT's release (Nov 2022). During the months after ChatGPT's release, **ChatGPT** was **well known amongst participants** from both studies, showing the rapid awareness of the tool. However, the **large number of ambivalent opinions** may be a sign to consider is full AI integration in schools and jobs may be a hasty move. It may be good to **consider user attitudes, hopes, and worries** when developing AI policies.