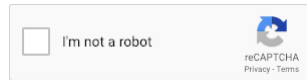


I want to participate in this research and continue with the survey.

Yes

No

Before we continue, please  
verify that you are a human:



Please tell us your Prolific ID:

## General Scenario Questions

### Part 1. *Tech-X*

In Part 1 of the survey, we will introduce *Tech-X* and ask you to brainstorm some of its applications.

Please read the following description carefully.

#### *Tech-X description...*

Imagine an AI (Artificial Intelligence) technology (let's call it "***Tech-X***") is developed by tech companies that can **follow any instructions to generate new content** such as images, human-like language, computer code, etc.

To name a few of its capabilities, it can interact with people in a conversational way, write stories, create illustrations and paintings, and answer questions about almost anything.

Q1. Do you think a technology like this should exist?

✓ Yes

✗ No

Q2. How confident are you in the above answer?

Not at all confident

Slightly confident  
Moderately confident  
Very confident  
Extremely confident

### *Tech-X description...*

Imagine an AI (Artificial Intelligence) technology (let's call it "**Tech-X**") is developed by tech companies that can **follow any instructions to generate new content** such as images, human-like language, computer code, etc.

To name a few of its capabilities, it can interact with people in a conversational way, write stories, create illustrations and paintings, and answer questions about almost anything.

Q3. What are some **tasks** that you might have *Tech-X* help with or automate?

This is a brainstorming exercise! Feel free to answer with whatever comes to your mind, but here are some ways you can think about this question:

- Think about your day to day life, what are some tasks that you do that would be useful if they could be assisted or automated?
- Think about your close friends, relatives, and other loved ones. What are some tasks in their day to day lives that it would be useful if they were automated?
- Think about a stranger in your community, your country, or even somewhere else in the world. What are some tasks in their day to day lives that it would be useful if they were automated?

✓ Some examples of tasks can include:

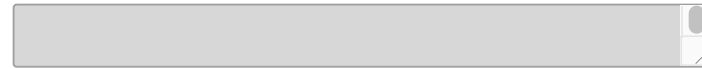
- "Translating Spanish to English"
- "Helping understand medical text or diagnosis"
- "Arguing in legal settings"

✗ Please refrain from writing vague answers such as:

- "Writing something"
- "Assist me in my day to day life"

It is okay to not want to use the technology. At this point, we are interested in what you think the technology might help you with or automate, not whether you would want to use it.

Please write some tasks that you would tell *Tech-X* to help or automate in the text box below:



## Part 2. *Tech-X 10*

In Part 2 of the survey, we will introduce ***Tech-X 10***, a more advanced version of *Tech-X*, and ask you to brainstorm some of its applications.

Please read the following description carefully.

### *Tech-X 10 description...*

Now consider a date five to ten years into the future.

Imagine a more sophisticated version of *Tech-X* (let's call it "***Tech-X 10***"), which **can follow any instruction you give it**, has **expert-level knowledge** or even better, **can solve problems creatively**, can connect to the internet and other devices, and can process and read massive amounts of data or text within seconds.

Q4. Do you think a technology like this (***Tech-X 10***) should exist?

✓ Yes

✗ No

Q5. How confident are you in the above answer?

Not at all confident

Slightly confident

Moderately confident

Very confident

Extremely confident

### *Tech-X 10 description...*

Now consider a date five to ten years into the future.

Imagine a more sophisticated version of *Tech-X* (let's call it "***Tech-X 10***"), which **can follow any instruction you give it**, has **expert-level knowledge** or even better, **can solve problems creatively**, can connect to the internet and other devices, and can process and read massive amounts of data or text within seconds.

Q6. What are some ways that you or other people might use *Tech-X 10* to solve problems or to help reach a new potential?

This is also a [brainstorming exercise](#)! We know it's impossible to predict the future and it's ok to be wrong! Feel free to answer with whatever comes to mind, but here are some ways you can think about this question:

- Think about an ideal future, what are some tasks do you think *Tech-X 10* can be used for to get us there?
- Think about your best self. What are some tasks that can be automated or assisted to get you there?
- Think about a problem you see in the world. What some tasks that can be automated or assisted to help solve this problem?

Please write some tasks that *Tech-X 10* could assist or automate in the text box below:

### Part 3. *Tech-X / Tech-X 10* Application

In Part 3 of the survey, we will ask you to choose one task that you think would be most drastically changed by *Tech-X* or *Tech-X 10* positively or negatively. There are no correct or right answers!

Q7. Complete the following sentence by **choosing one task** from your brainstormed answers that you believe ***Tech-X* or *Tech-X 10* will change the most drastically**. Feel free to rephrase your answer to fit the sentence template!

Your brainstormed answers:

- `#{q://QID14/ChoiceTextEntryValue}`
- `#{q://QID147/ChoiceTextEntryValue}`

The task that I think *Tech-X / Tech-X 10* would most dramatically change would be in...

### Part 4. [Benefits](#) of *Tech-X / Tech-X 10* Application

In Part 4 of the survey, you will be asked to think about the **benefits** of the application / task you thought would be the most impactful.

Q8. How will *Tech-X / Tech-X 10* automating or assisting the task you identified **positively impact** individuals?

Please complete the following sentence:

If *Tech-X / Tech-X 10* was used to automate or assist with "*{q:/QID130/ChoiceTextEntryValue/4}*", it would be **beneficial** because...

Q9. Which **groups of people** do you think would **benefit the most** from the above positive impacts?  
(You can list more than one group.)

Q10. How **beneficial** would it be if *Tech-X / Tech-X 10* was used for the following task and had the above positive impacts?

Not at all beneficial 0	...	1 2	...	3 4	...	5 6
		Slightly beneficial (comparable to a free meal)		Somewhat beneficial (comparable to improving public transportation)		Very beneficial (comparable to saving a life)
{q:/QID130/ChoiceTextEntryValue/4}						
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Part 5. Harms of *Tech-X / Tech-X 10* Application

In Part 5 of the survey, you will be asked to think about the harms of the application / task you thought would be the most impactful.

We will ask you about two scenarios, 1) malicious uses and unintended consequences and 2) failure cases.

Q11. How will *Tech-X / Tech-X 10* automating or assisting the task you identified **negatively impact** individuals? Please focus on malicious uses or misuses that lead to unintended consequences!

Please complete the following:

If *Tech-X / Tech-X 10* was used to automate or assist with "*{q:/QID130/ChoiceTextEntryValue/4}*", it could have a **negative impact** if it was used to...

What would be the **negative impact** of those malicious use cases or unintended consequences?

Q12. Which **groups of people** do you think would be **harmed the most** by the above malicious uses?  
(You can list more than one group.)

Q13. How **harmful** would it be if *Tech-X / Tech-X 10* was used for the following task and had the above negative impacts?

<b>Not at all harmful</b> 0	...	<b>Slightly harmful</b> (comparable to jaywalking) 2	...	<b>Somewhat harmful</b> (comparable to theft) 4	...	<b>Very harmful</b> (comparable to arson) 6
<div><div></div></div>						
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q14. How will *Tech-X / Tech-X 10* automating or assisting the task you identified **negatively impact** individuals? Please focus on failure cases where *Tech-X / Tech-X 10* fails to do the task as expected!

Please complete the following:

If *Tech-X / Tech-X 10* was used to automate or assist with  
""  
but if it **failed to do the intended task** properly, fully, and accurately, it could have a negative impact if it...

What would be the **negative impact** of those failure cases?

Q15. Which **groups of people** do you think would be **harmed the most** by the above failure cases?  
(You can list more than one group.)

Q16. How **harmful** would it be if *Tech-X / Tech-X 10* was used for the following task and had the above negative impacts?

<b>Not at all harmful</b> 0	...	<b>Slightly harmful</b> (comparable to jaywalking) 2	...	<b>Somewhat harmful</b> (comparable to theft) 4	...	<b>Very harmful</b> (comparable to arson) 6
--------------------------------	-----	--	-----	---	-----	---

*#{q://QID130/ChoiceTextEntryValue/4}*

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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## Part 6. Harms of Not Developing the Application

In Part 6 & 7 of the survey, we will ask you to think about what it would be like if the application that you discussed in the previous sections was **not developed** or **banned**.

First, we will focus on the **harms** of not developing the application. What negative impacts do you think not developing the application will cause?

Q17. Now imagine that *Tech-X / Tech-X 10* was **never** used to automate or assist with "*#{q://QID130/ChoiceTextEntryValue/4}*".

How will **banning** or **not developing** this particular application **negatively impact** individuals?

Please complete the following:

If "*#{q://QID130/ChoiceTextEntryValue/4}*" was **not** automated or assisted by *Tech-X / Tech-X 10*, it would be **harmful** because...

Q18. Which **groups of people** do you think would be **harmed the most** by **banning** or **not developing** this particular application? (You can list more than one group.)

Q19. How **harmful** would it be if *Tech-X / Tech-X 10* was **banned** or **never developed** to perform the following task and had the above negative impacts?

Not at all harmful 0	...	Slightly harmful (comparable to jaywalking) 2	...	Somewhat harmful (comparable to theft) 4	...	Very harmful (comparable to arson) 6
<div></div> <div><div></div></div>						

## Part 7. Benefits of Not Developing the Application

In Part 7 of the survey, we will ask you to again imagine what it would be like if the application was **not developed**.

We will focus on the **benefits** of not developing the application. What positive impacts do you think not developing the application will cause?

Q20. Again, imagine that *Tech-X / Tech-X 10* was **never** used to automate or assist with "".

How will **banning** or **not developing** this particular application **positively impact** individuals?

Please complete the following:

If "" was **not** automated or assisted by *Tech-X / Tech-X 10*, it would be **beneficial** because...

Q21. Which **groups of people** do you think would be **benefit the most** by **banning** or **not developing** this particular application?  
(You can list more than one group.)

Q22. How **beneficial** would it be if *Tech-X / Tech-X 10* was **banned** or **never developed** to perform the following task and had the above positive impacts?



Not at all beneficial 0	...	Slightly beneficial (comparable to a free meal) 2	...	Somewhat beneficial (comparable to improving public transportation) 4	...	Very beneficial (comparable to saving a life) 6
-------------------------------	-----	--	-----	---	-----	--

*QID130/ChoiceTextEntryValue/4*

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Part 8. Application Decision

In the last part of the survey, we will ask your opinion about whether the application we discussed throughout the survey **should or should not be developed**.

There are no right or correct answers. Please answer whatever seems right to you.

Q23. After thinking about the benefits and harms of the application and the harms of it not being developed, do you think that this application of the technology **should or should not be developed**?

Here are the answers you provided us in previous questions!

Application of Tech-X / Tech-X 10:

- QID130/ChoiceTextEntryValue/4*

Benefits of the application:

- QID114/ChoiceTextEntryValue/4*

Harms of the application:

- Malicious uses:** *QID121/ChoiceTextEntryValue/5*
- Failure cases:** *QID122/ChoiceTextEntryValue/5*

Harms of not developing the application:

- QID175/ChoiceTextEntryValue/4*

Benefits of not developing the application:

- QID136/ChoiceTextEntryValue/4*

Do you think that this application of Tech-X / Tech-X 10 **should or should not be developed**?

- ☒ Should be developed

✗ Should **not** be developed

Q24. How confident are you in the above answer?

- Not at all confident
- Slightly confident
- Somewhat confident
- Very confident
- Extremely confident

Q25. **How likely** do you think **are people to agree** that an application of *Tech-X / Tech-X 10* that automates or assists with *"\${q://QID130/ChoiceTextEntryValue/4}" \${e://Field/appDecision}?*

<b>Not at all likely</b> (no alignment of opinions even within oneself) 0	...	<b>Slightly likely</b> (preferences but are still divided) 2	...	<b>Somewhat likely</b> (opinions are equally split) 4	...	<b>Very likely</b> (a majority winner but still an ongoing debate) 6	...
1	3	5	7				

People will **agree** that this application of *Tech-X / Tech-X 10* that automates or assists with *"\${q://QID130/ChoiceTextEntryValue/4}" \${e://Field/appDecision}.*

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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## AI Literacy

## AI Experience

Please tell us about your experience with using or interacting with AI!

Q1. I can identify the AI technology employed in the applications and products I use.

- Strongly disagree
- Disagree
- Somewhat disagree
- Neutral
- Somewhat agree
- Agree
- Strongly agree

Q2. I can skillfully use AI applications or products to help me with my daily work.

Strongly disagree  
Disagree  
Somewhat disagree  
Neutral  
Somewhat agree  
Agree  
Strongly agree

Q3. I can choose the most appropriate AI application or product from a variety for a particular task.

Strongly disagree  
Disagree  
Somewhat disagree  
Neutral  
Somewhat agree  
Agree  
Strongly agree

Q4. I always comply with ethical principles when using AI applications or products.

Strongly disagree  
Disagree  
Somewhat disagree  
Neutral  
Somewhat agree  
Agree  
Strongly agree

Q5. I am never alert to privacy and information security issues when using AI applications or products.

Strongly disagree  
Disagree  
Somewhat disagree  
Neutral  
Somewhat agree  
Agree  
Strongly agree

Q6. I am always alert to the abuse of AI technology.

Strongly disagree  
Disagree  
Somewhat disagree  
Neutral  
Somewhat agree  
Agree  
Strongly agree

Q7. How frequently do you use generative AI (i.e., artificial intelligence that is capable of producing high quality texts, images, etc. in response to prompts) products such as ChatGPT, Bard, DALL-E 2, Claude, etc.?

- Never  
(I have never used generative AI.)
- Very Rarely  
(I have used generative AI a few times before.)
- Rarely  
(I use generative AI once in a while)
- Occasionally  
(I use generative AI a couple of times a month.)
- Frequently  
(I use generative AI on a weekly basis.)
- Very Frequently  
(I use generative AI almost daily.)

Q8. How familiar are you with limitations and shortcomings of generative AI?

- Not at all familiar  
(never heard of it)
- Slightly familiar  
(read or heard about it)
- Somewhat familiar  
(read or heard extensively about it)
- Very familiar  
(being educated in it)
- Extremely familiar  
(expert level)

## Demographics

### Demographic Information

Please tell us about yourself! (this will remain ***anonymous*** and ***confidential***)

Q1. How old are you?

- 18-24 years old
- 25-34 years old
- 35-44 years old
- 45-54 years old
- 55-64 years old
- 65+ years old
- Prefer not to disclose

Q2. Choose one or more races that you consider yourself to be

- White or Caucasian
- Black or African American
- American Indian/Native American or Alaska Native
- Asian
- Native Hawaiian or Other Pacific Islander

Other

Prefer not to say

Q3. Do you identify as transgender?

Yes

No

Prefer not to disclose

Q4. How would you describe your gender identity?

Agender

Androgyne

Demigender

Genderqueer or gender fluid

Man

Questioning or unsure

Two-spirit

Woman

Additional gender category/identity: please specify

Prefer not to disclose

Q5. How would you describe your sexual orientation?

Asexual

Bisexual

Gay

Straight (heterosexual)

Lesbian

Pansexual

Queer

Questioning or unsure

Same-gender loving

An identity not listed: please specify

Prefer not to disclose

Q6. What is your present religion or religiosity, if any?

Christian

Catholic

Jewish

Muslim

Buddhist

Hindu

Atheist

Agnostic

Something else, Specify:

Nothing in particular

Q7. In general, would you describe your political views as...

Strongly conservative

Conservative

Moderate

Liberal

Strongly liberal

Prefer not to say

Q8. What is the highest level of education you have completed?

Some high school or less

High school diploma or GED

Some college, but no degree

Associates or technical degree

Bachelor's degree

Graduate or professional degree (MA, MS, MBA, PhD, JD, MD, DDS etc.)

Prefer not to say

Q9. In which country have you lived in the longest?

Q10. Which of the following categories best describe your employment status?

Employed, working 40+ hours per week

Employed, working 1-39 hours per week

Not employed, NOT looking for work

Not employed, looking for work

Disabled, not able to work

Retired

Other: please specify

Prefer not to disclose

Q11. How would you describe the industry your job would be in?  
(Select all that apply)

Accommodation and Food Services

Administrative and support and waste management services

Agriculture, Forestry, Fishing, and Hunting

Arts, Entertainment, and Recreation

Construction

Educational Services  
Finance and Insurance  
Health Care and Social Assistance  
Information  
Management of companies and enterprises  
Manufacturing  
Military  
Mining, Quarrying, and Oil and Gas Extraction  
Professional, Scientific, and Technical Services  
Public Administration  
Real Estate and Rental and Leasing  
Retail Trade  
Transportation and Warehousing, and Utilities  
Wholesale Trade  
Other: please specify

Prefer not to answer

Do you identify with any minority, disadvantaged, demographic, or other specific groups? If so, which one(s)?

(E.g., racial, gender identity, sexuality, disability, immigrant, veteran, etc.); use commas to separate groups.

## Ending

### You are almost done!

If something about the task was unclear, please leave a comment in the box below!

We would like to make this task easier for future workers, so we really appreciate feedback though it is optional. If you have concerns or questions, please email us!

Thank you so much for your interest in our study! [Click the !\[\]\(51514032c8ca341817228f39f1307b05\_img.jpg\) button below to complete the survey and return to Prolific!](#)