Chatbot_Stigma_E8_Loneliness_Prediction

Survey Flow

Standard: informed consent (2 Questions)

Branch: New Branch

If

If Do you consent No Is Selected

EndSurvey: Advanced

Standard: attention_checks (2 Questions)

Branch: New Branch

If

If This is an attention check. John is taller than Paul. Who is shorter? Paul Is Not Selected

Or What color is grass? The fresh, uncut grass, not leaves or hay. Please make sure to select purple... Purple Is Not Selected

Standard: failed_attention_check (1 Question)

EndSurvey: Advanced

Standard: intro (1 Question)

Standard: questions_prediction (8 Questions)

Standard: mturk_id (1 Question)

WebService: GET -

https://chattyapp.online/KmCFoxsrVcjPqaHqxqat/\${q://QID105/ChoiceTextEntryValue}/ai/

- Fire and Forget

Standard: chatbot_interaction (2 Questions)

Standard: questions experience (8 Questions)

Standard: comprehension (2 Questions)

Standard: Ioneliness (5 Questions)

Standard: attitudes_toward_ai (17 Questions)

Standard: demographics (6 Questions)

EndSurvey: Advanced

Page Break

Start of Block: informed consent

consent

Informed Consent

Researcher: Julian De Freitas Version Date: 8 February 2023

Key Information

The following is a short summary of this study to help you decide whether or not to be a part of this study. More detailed information is listed later on in this form. During the interaction, you will be asked to engage in a conversation with an AI companion. The subject of these interactions will be positive or neutral so please remember to keep the content of your conversation positive or neutral. The pre and post-interaction questionnaires will consist of survey questions about your opinions and some brief questions about your demographics.

Why am I being invited to take part in a research study?

We invite you to take part in a research study because you are an English-speaker located in the United States over the age of 18.

What should I know about a research study?

- Whether or not you take part is up to you.
- Your participation is completely voluntary.
- You can choose not to take part.
- You can agree to take part and later change your mind.
- Your decision will not be held against you. Your refusal to participate will not result in any consequences or any loss of benefits that you are otherwise entitled to receive.
- You can ask all the questions you want before you decide.

Why is this research being done?

The purpose of this research is to examine human performance, judgments and interactions. All data from this experiment are gathered for scientific purposes and will contribute to our eventual understanding of how humans interact. These data may be published in scientific journals.

How long will the research last and what will I need to do?

We expect that you will be in this research study for about 25 minutes.

Is there any way being in this study could be bad for me?

You will be interacting with an Al companion. Such an interaction is necessarily uncontrolled

and unpredictable, and therefore may result in emotional distress. To this end we have provided a debrief form on the purposes and procedure of the study as well as to assist you should you experience any psychological distress.

The content of your conversation will be saved for analysis purposes. It will also be viewed by other participants in the chat. Finally, as this is an internet study, there is a risk of confidentiality breach. Thus, you should be mindful of what you share.

Will being in this study help me in any way?

We cannot promise any benefits to you or others from your taking part in this research.

Detailed Information.

The following is more detailed information about this study in addition to the information listed above.

What is the purpose of this research?

You will be informed about the purpose of this research at the end of the study.

What happens if I say yes, but I change my mind later?

You can leave the research at any time; it will not be held against you. You may also withdraw your data from the study by contacting us at ethicalintelligencelab@gmail.com

If I take part in this research, how will my privacy be protected? What happens to the information you collect?

Efforts will be made to limit the use and disclosure of your Personal Information, including research study to people who have a need to review this information. We cannot promise complete secrecy. Organizations that may inspect and copy your information include the IRB and other representatives of this organization.

We intend to destroy any identifying information upon the completion of this study.

If identifiers are removed from your identifiable private information that are collected during this research, that information could be used for future research studies or distributed to another investigator for future research studies without your additional informed consent.

<u>Can I be removed from the research without my OK?</u> The person in charge of the research study or the sponsor can remove you from the research study without your approval. Possible reasons for removal include providing low quality data.

What else do I need to know?

Compensation - If you agree to take part in this research study, we will pay you \$2.5. You will be compensated for completing the study. If you have any issues completing the study, or experience technical difficulties, please contact the study team at ethicalintelligencelab@gmail.com

Who can I talk to?

If you have questions, concerns, or complaints, or think the research has hurt you, talk to the research team at ethicalintelligencelab@gmail.com

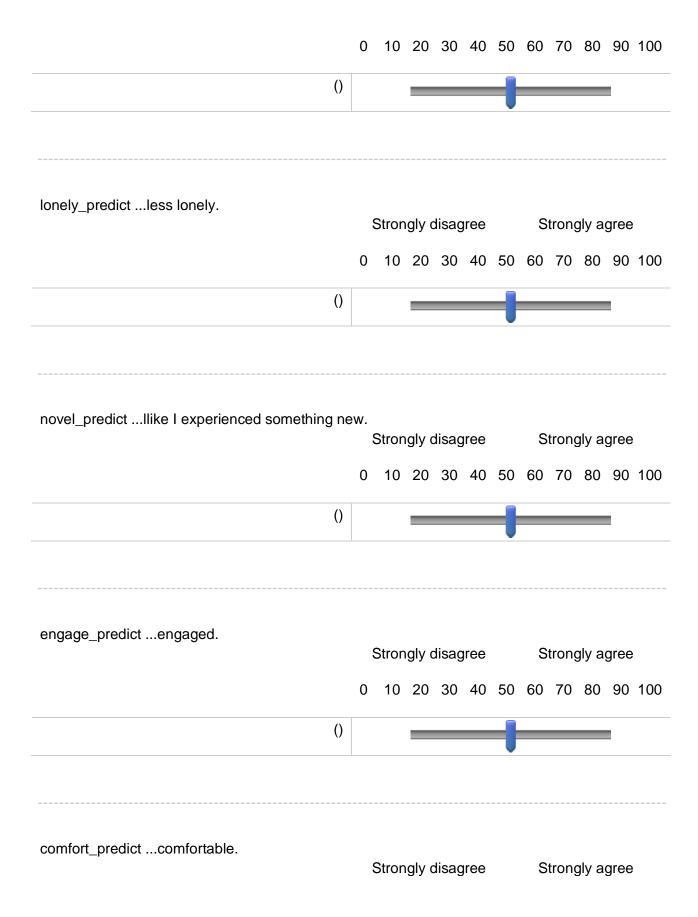
This research has been reviewed and approved by the Harvard University Area Institutional Review Board ("IRB"). You may talk to them at (617) 496-2847 or cuhs@harvard.edu if:

- Your questions, concerns, or complaints are not being answered by the research team.
- You cannot reach the research team.
- You want to talk to someone besides the research team.
- You have questions about your rights as a research subject.
- You want to get information or provide input about this research.

consent_q Do you consent
○ Yes (1)
O No (2)
End of Block: informed_consent
Start of Block: attention_checks JS
att_1 This is an attention check. John is taller than Paul. Who is shorter?
O John (1)
O Paul (2)
O Neither John nor Paul (3)
O Both John and Paul (4)

att_2 What color is grass?

The fresh, uncut grass, not leaves or hay. Please you're paying attention.	make sure to select purp	ole, so that we know
○ Green (1)		
O Purple (2)		
End of Block: attention_checks		
Start of Block: failed_attention_check		
failed_checks You failed one of the attention che	ecks.	
Thanks for considering the survey!		
End of Block: failed_attention_check		
Start of Block: intro		
vign In this study, you will interact with an Al applic	ation for 15 minutes .	
Before you do, we would like you to answer some the conversation.	questions about how yo	ou expect to feel after
End of Block: intro		
Start of Block: questions_prediction		
vign You will now rate how you expect to feel after conversational AI companion.	interacting for 15 minut	es with the
Please rate the extent to which you agree with	the following statemer	nts:
After interacting with the AI companion for 15	minutes, I WILL feel	
entertain_predictentertained.	Strongly disagree	Strongly agree





interaction_prompt

! THIS IS CRUCIAL FOR YOUR PAYMENT!

Now, you will get a chance to interact with a conversational Al companion.

To start interacting with the conversational Al companion, enter your Mechanical Turk ID: \$\{\text{mturk_id/ChoiceTextEntryValue}\}\} on the interaction website. After entering your ID, you will be redirected to the interaction page. Once you finish the interaction with the conversational Al companion, you will get a completion code that you need to copy and paste below. Please continue filling out the rest of the form after you finish the interaction, if you do not finish the form after finishing the interaction, you will not receive payment.

Please open the link in a **separate tab (do not close this tab).** We recommend that you open it using **Google Chrome.**

Here is a link to the website

For any issues, please email: auguralp@fas.harvard.edu Enjoy!

.....



completion_code **Important**: Please enter the exact completion code you received at the end of your interaction.

End of Block: chatbot interaction

Start of Block: questions_experience

intro Now that you have finished interacting with the conversational AI companion for 15 minutes, we will ask you how you feel **now**.

Please rate the extent to which you agree with the following statements:

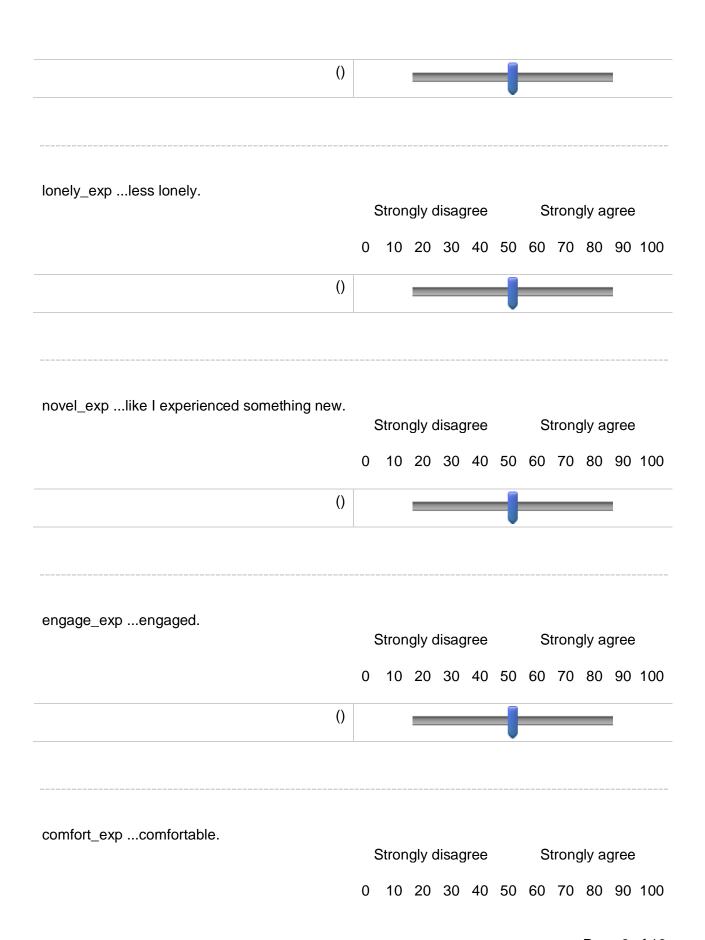
After interacting with the AI companion for 15 minutes, I FEEL...

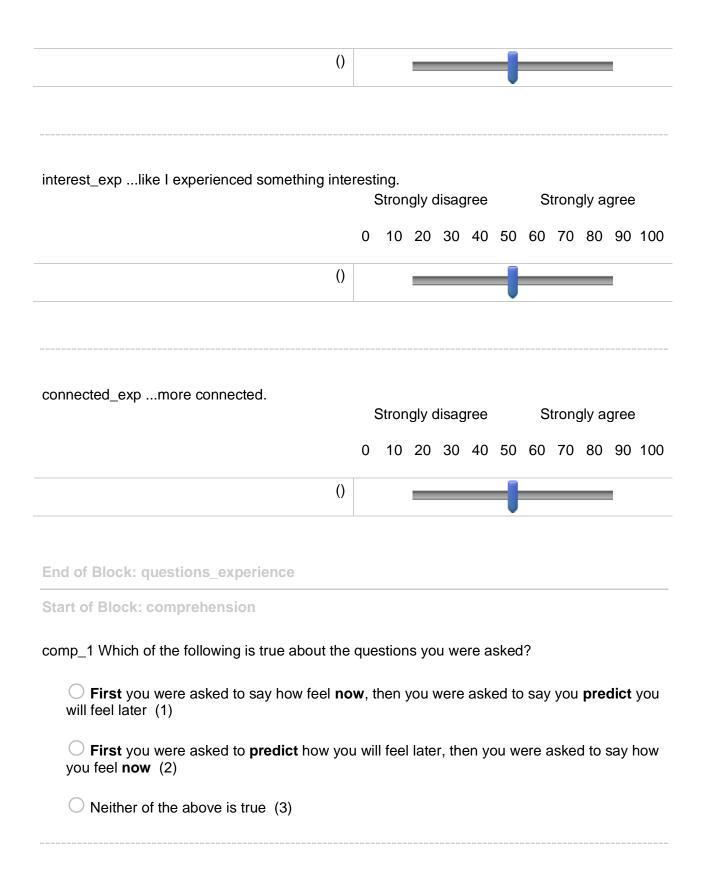
entertain exp ...entertained.

Strongly disagree

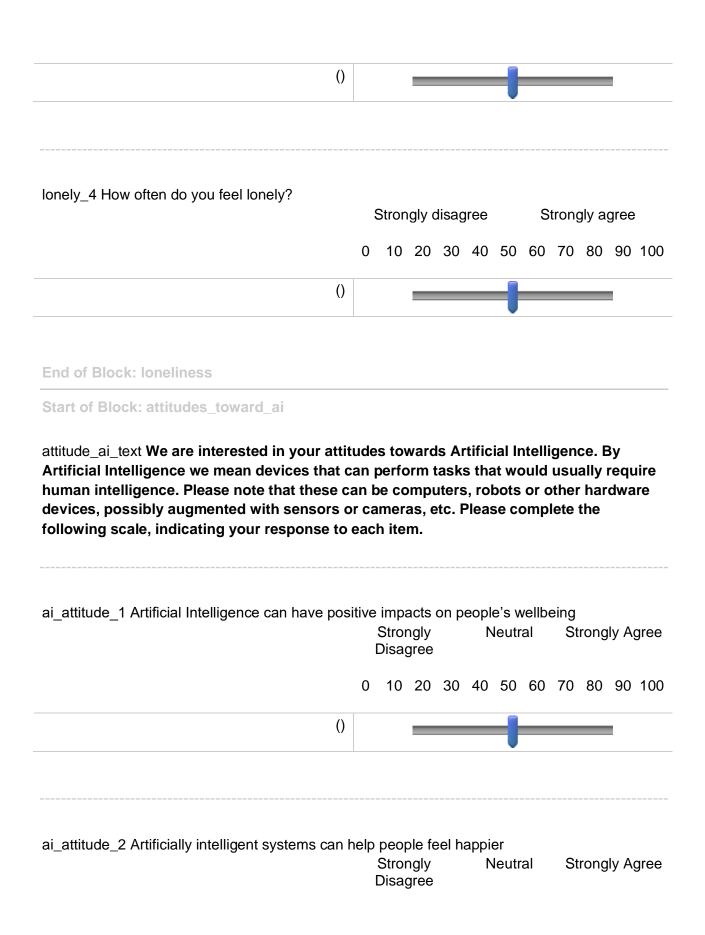
Strongly agree

0 10 20 30 40 50 60 70 80 90 100

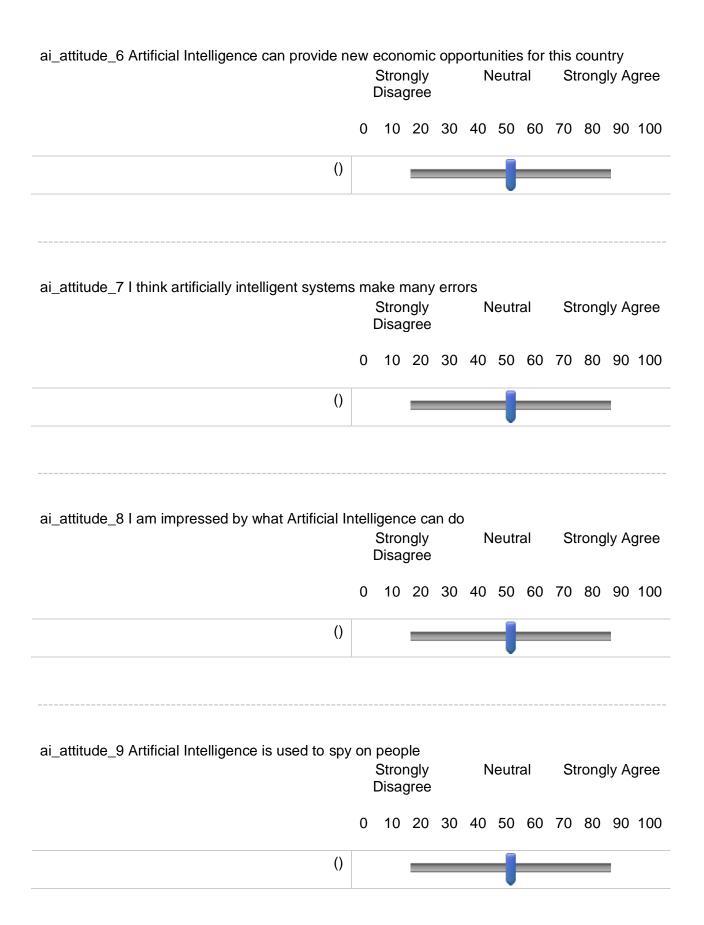


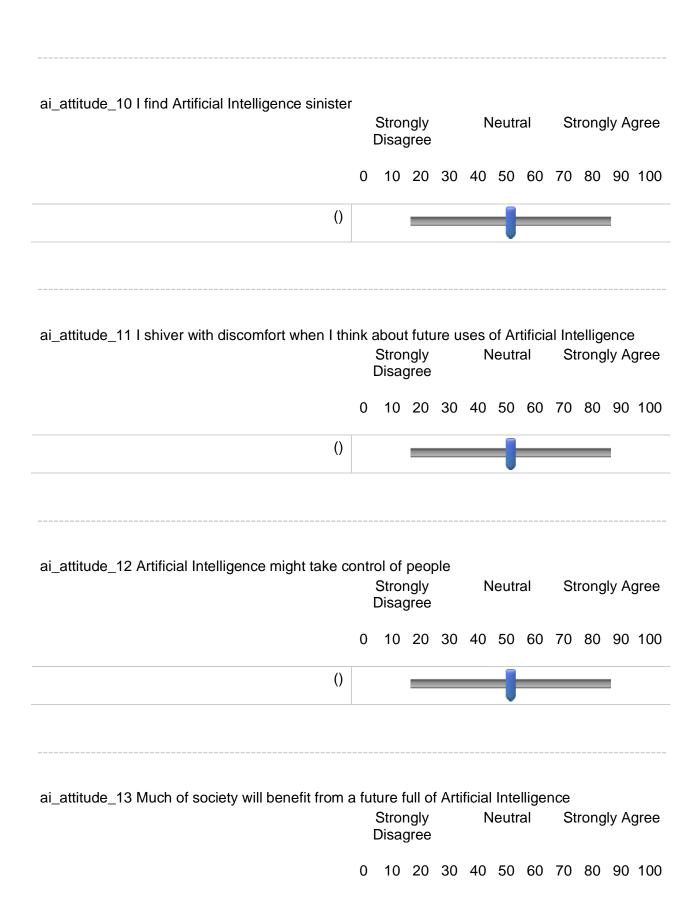


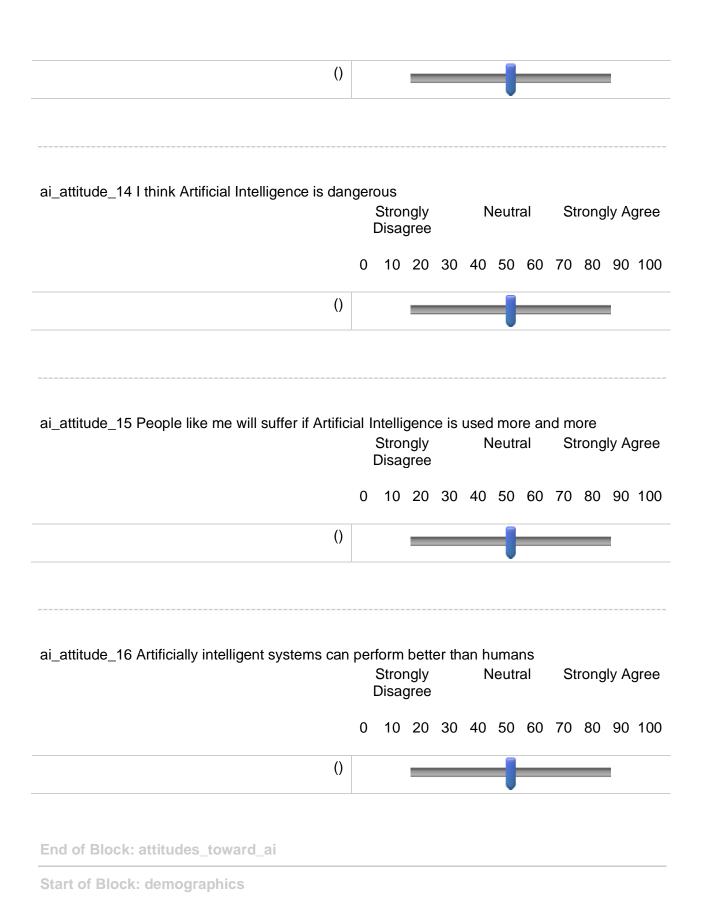
comp2 Which of the following is true about the in	ntera	actio	n you	u had	d.						
O You talked to another human (1)											
O You talked to a conversational AI compa	nior	າ (2)									
O You talked to yourself (3)											
End of Block: comprehension											
Start of Block: Ioneliness											
lonely_vign The next questions ask how you each one, indicate how often you feel that wa		abo	ut di	ffere	ent a	spe	cts o	f yo	ur lif	e. F	or
lonely_1 How often do you feel that you lack con	ely_1 How often do you feel that you lack companionship? Strongly disagree				Strongly agree						
	0	10	20	30	40	50	60	70	80	90	100
()					_	1			_		
lonely_2 How often do you feel left out?		24.00.00		dia a a			C				
		Stron				50		trong	-	_	
	0	10	20	30	40	50	60	70	80	90	100
()						1					
lonely_3 How often do you feel isolated from other	ners'	?									
in the second se		Stron	gly c	disag	ree		St	trong	gly a	gree	
	0	10	20	30	40	50	60	70	80	90	100











chatbot Betor	e this survey, ha	ive you ever in	eracted with a	chatbot before?	
O Yes (1)				
○ No (2)				
chatbot_exp I	f you answered '	yes' above, ple	ase explain.		
Page Break					

gender What is your gender?	
O Male (1)	
○ Female (2)	
O Prefer not to disclose (3)	
Other (please specify) (4)	
ethnicity What is your ethnicity?	
Black or African American (1)	
O Asian (2)	
○ White or European (3)	
O Hispanic or Latino (4)	
○ Mixed (5)	
Other (please specify) (6)	
*	
age What is your age (in years)?	
	

ed	u What is the highest level of education you have completed?
	O High School or Equivalent (1)
	O Vocational/Technical School (2 year) (2)
	O Some College (3)
	College Graduate (4 year) (4)
	O Masters Degree (MS) (5)
	O Doctoral Degree (PhD) (6)
	O Professional Degree (MD, JD, etc.) (7)
	Other (please specify) (8)
En	d of Block: demographics
	M AT MIAAM MAINAMINAA