### Chatbot\_Stigma\_E5\_serial\_mediators

Start of Block: informed consent

consent

#### **Informed Consent**

#### Participation is voluntary

It is your choice whether or not to participate in this research. If you choose to participate, you may change your mind and leave the study at any time. Refusal to participate or stopping your participation will involve no penalty or loss of benefits to which you are otherwise entitled.

#### What is the purpose of this research?

The purpose of this research is to examine human visual performance and judgments. All data from this experiment are gathered for scientific purposes and will contribute to our eventual understanding of brain and visual function. These data may be published in scientific journals so that other researchers may have access to these data.

#### How long will I take part in this research?

Your participation will take approximately 10 minutes to complete.

#### What can I expect if I take part in this research?

As a participant, you will be asked to look at images presented on a video display and give responses with key presses or movements of a mouse pointing device. Your response may involve responding as quickly as you can, memorizing what you saw, making a judgment, or completing a questionnaire. You will also be asked to complete a demographics form.

#### What are the risks and possible discomforts?

If you choose to participate, the effects should be comparable to those you would experience from viewing a computer monitor for 7 minutes and using a mouse or keyboard, e.g., eye fatigue. You are free to take breaks throughout the session. Some of the images and stories are mildly emotional, and some of the written stories are disgust-inducing.

#### Will I be compensated for participating in this research?

You will be compensated \$1 for this study. You will still receive payment if you withdraw early.

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

Your participation in this experiment will remain confidential, and your identity will not be stored

with your data.

If I have any questions, concerns or complaints about this research study, who can I talk to?  The researcher for this study is Julian De Freitas who can be reached at 626.559.6401; #161 Morgan Hall, 15 Harvard Way, Boston MA, 02163; jdefreitas@hbs.edu. If you have questions, concerns, or complaints, If you would like to talk to the research team, If you think the research has harmed you, or If you wish to withdraw from the study.  This research has been reviewed by the Committee on the Use of Human Subjects in Research at Harvard University. They can be reached at 617-496-2847, 1350 Massachusetts Avenue, Suite 935, Cambridge, MA 02138, or cuhs@harvard.edu for any of the following: If your questions, concerns, or complaints are not being answered by the research team, If you cannot reach the research team, If you want to talk to someone besides the research team, or If you have questions about your rights as a research participant.
consent_q Do you consent
○ Yes (1)
O No (2)
End of Block: informed_consent
Start of Block: attention_checks
JS Control of the con
att1 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)

att2 What color is grass?

O Both John and Paul (4)

The fresh, uncut grass, not leaves or hay. Pleas you're paying attention.	e m	nake	sure	to s	elect	t pur	ple,	so th	at w	e kn	iOW
○ 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	cks	s. Tha	anks	for o	consi	derii	ng th	e su	rvey	s!	
End of Block: failed_attention_check											
Start of Block: ai											
End of Block: ai  Start of Block: ai_dvs											
willing_friend_ai <b>How</b> <u>willing</u> would you be to t	ry t	o fin	-			n Ch	_		Willi	ing	
	0	10	20	30	40	50	60	70	80	90	100
()						-					
willing_romantic_ai <b>How</b> willing would you be to	to t	r <b>y to</b> Not				ntic			on C Willi		y?
	0	10		•	40	50		•			100

()						-					
*											
wtp_ai Imagine that you try out Chatty for a y subscription fee. How much would you be wanywhere between \$0.00c and \$10.00 per mo	illin	g to			_				_	cost	t
Please enter only the amount, without the dolla	r sig	ın.									
End of Block: ai_dvs									_		
Start of Block: ai_mediators											
true_ai  How much do you agree with the following s Any friendship with an Al on Chatty would not	be a	a true		ndsh	ip.						
	;	Stror	ngly (	disag	ree		St	trong	yly a	gree	
	0					50				gree 90 <sup>-</sup>	100
()						50					100
()						50					100
talk_listen_ai  How much do you agree with the following s An Al on Chatty would always be there to talk	0 tate	10	20	30	40	50	60		80	90	100
talk_listen_ai  How much do you agree with the following s	0 tate	10 men liste	20	30 you disag	40	-	60 S1	70	80	90	
talk_listen_ai  How much do you agree with the following s	tate	10 men liste	20	30 you disag	40	-	60 S1	70	80	90 -	

# not judge ai How much do you agree with the following statement? An Al on Chatty would always be on your side and not judge you. Strongly disagree Strongly agree 0 10 20 30 40 50 60 70 80 90 100 () feel ai How much do you agree with the following statement? An Al on Chatty is unable to **feel** emotions. Strongly disagree Strongly agree 0 10 20 30 40 50 60 70 80 90 100 () understand ai How much do you agree with the following statement? An Al on Chatty is unable to **understand** what you are saying. Strongly disagree Strongly agree 0 10 20 30 40 50 60 70 80 90 100 ()



An Al on Chatty cannot provide **physical** intimacy.

Strongly disagree

Strongly agree

0 10 20 30 40 50 60 70 80 90 100

()

#### not mutual ai How much do you agree with the following statement?

A relationship with an AI on Chatty would be **one-sided**, not mutual.

Strongly disagree

Strongly agree

0 10 20 30 40 50 60 70 80 90 100

()

End of Block: ai mediators

Start of Block: Al\_nonMember

#### nonMember Al

#### Does the following sound weird or OK to you?

There's a sense in which being friends with an AI on Chatty is a relationship, but ultimately, if you think about what it really means to be in a relationship, you'd have to say that there is a sense in which being friends with an AI on Chatty is not a relationship at all.

> Definitely sounds WEIRD

Definitely sounds OK

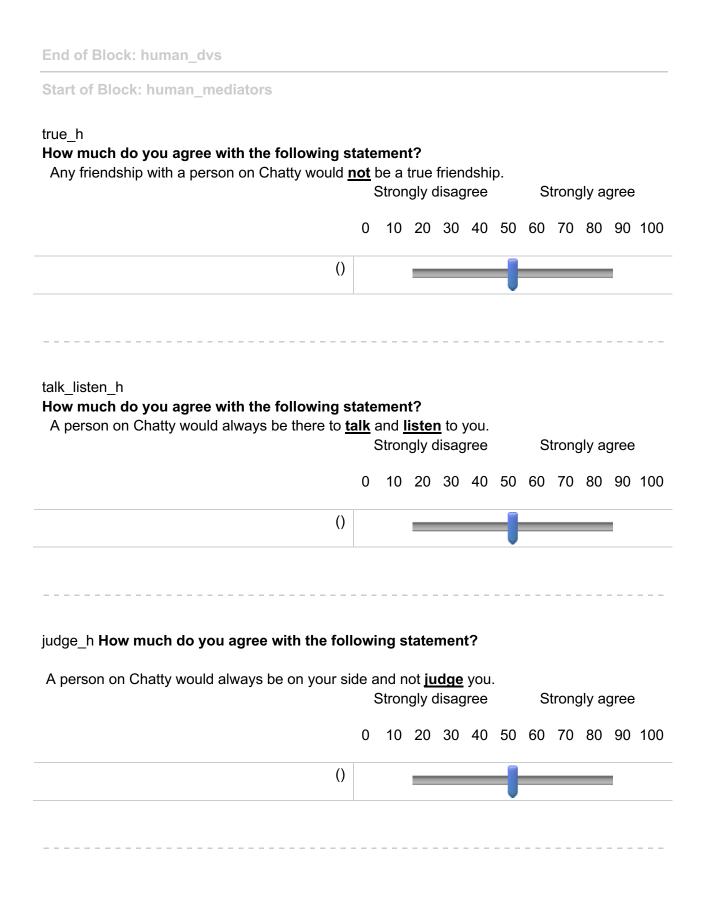
0 10 20 30 40 50 60 70 80 90 100

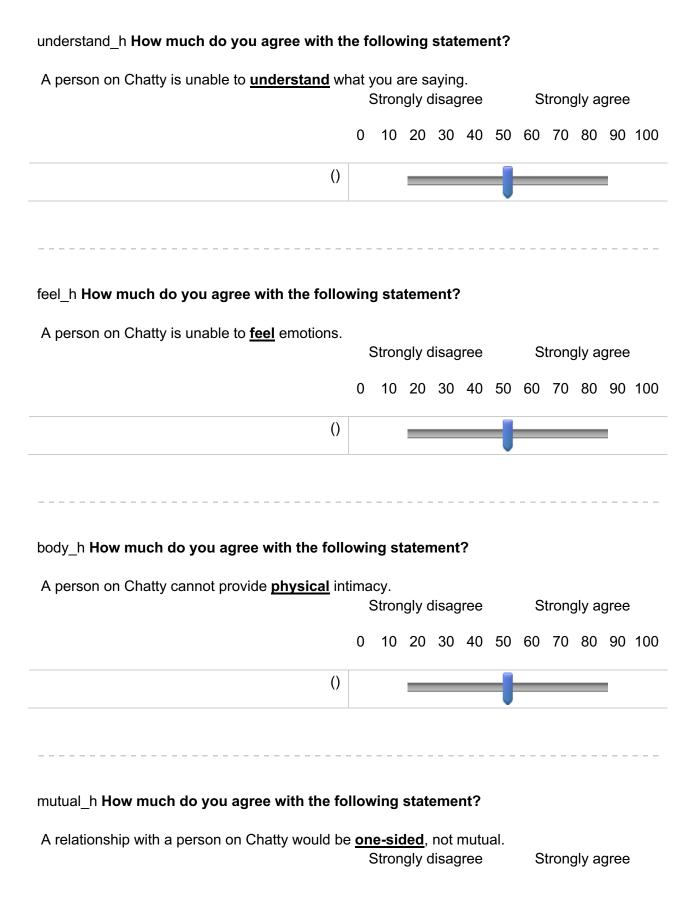
()

human_vignette Please consider the following "Chatty", which allows you to send text mes							-	-	lled				
End of Block: human													
Start of Block: human_dvs													
willing_friend_h <b>How</b> <u>willing</u> would you be to try to find a <u>friend</u> on Chatty?  Not willing at all Very Willing													
	0	10	20	30	40	50	60	70	80	90	100		
()						1							
willing_romantic_h <b>How</b> <u>willing</u> would you be t	: <b>o tr</b>	Not	willir	ng at	all		,	Very	Will	ing	/? 100		
()						-							
wtp_h Imagine that you try out Chatty for a yesubscription fee. How much would you be wanywhere between \$0.00c and \$10.00 per mo	illin nth	<u>g to</u> .)			_				_	s cos			

End of Block: Al\_nonMember

Start of Block: human

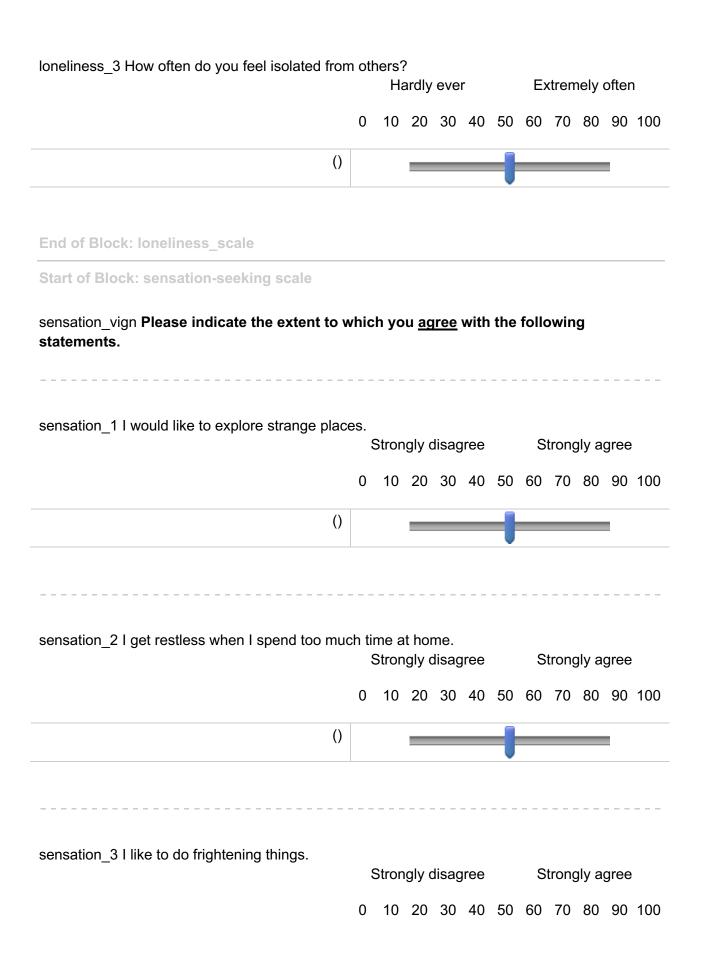


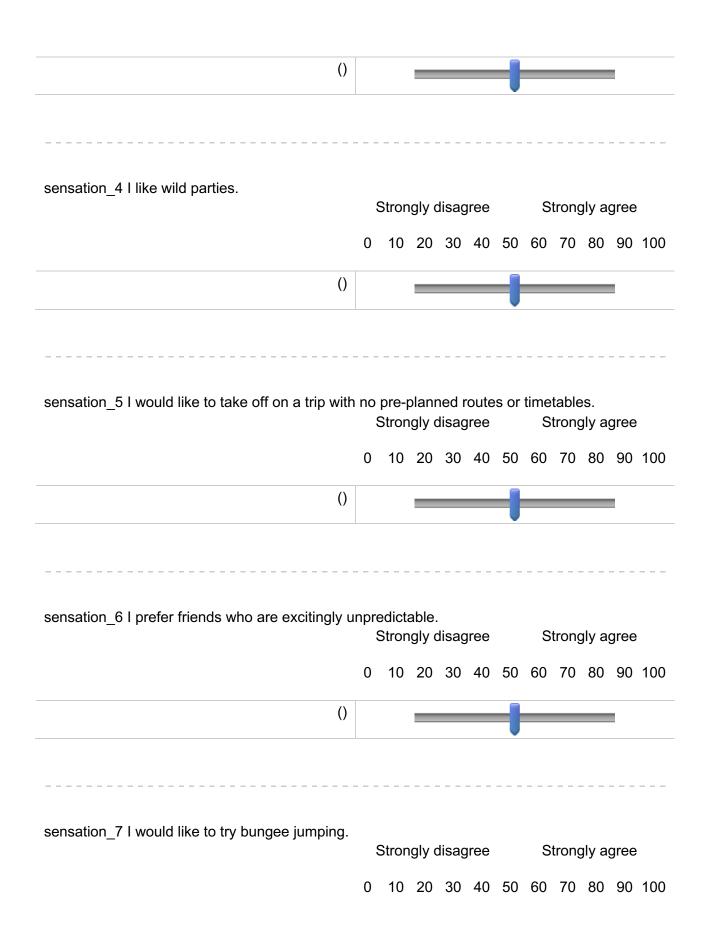


^	40	$\sim$	~~	40		$\sim$	70	~~	$\sim$	400
()	10	20	30	40	อบ	bU	70	80	90	100

										100
()										
End of Block: human_mediators										
Start of Block: human_nonMember										
nonMember_h										
Does the following sound weird or OK to you	ı?									
There's a sense in which being friends with a per you think about what it really means to be in a re sense in which being friends with a person on C	elatic hatty	nshi / is n )efin	p, yo	u'd ha relationsounce	ave t	to say ip at	y that	there	is a	
	0	10	20	30 4	40 5	50 6	0 70	80	90	100
()										
						•				
End of Block: human_nonMember										
Start of Block: comp										
comp_1 You were shown a picture on a comp the picture represent?	outei	scr	een i	in a p	orevi	ous	quest	ion. \	Wha	t did
O A person (1)										
O An Al (2)										
○ A dog (3)										
A vehicle (4)										

comp_2 What is Chatty?											
O A store (1)											
O A messaging app (2)											
O A house (3)											
O An activity (4)											
End of Block: comp											
Start of Block: loneliness_scale											
loneliness_vign The next questions ask how y For each one, indicate how often you feel the			aboı	ut dif	ferei	nt as	spec	ts o	f yo	ur li1	fe.
loneliness_1 How often do you feel that you lac	k coı	-		ship? ever			Ex	trem	iely (	ofter	1
	0	10	20	30	40	50	60	70	80	90	100
()						-			_		
loneliness_2 How often do you feel left out?		На	ardly	ever	-		Ex	trem	ely o	ofter	1
	0	10	20	30	40	50	60	70	80	90	100
()				_	_	1			_		
	1										





()						1						
sensation_8 I would love to have new and exciting experiences, even if they are illegal.  Strongly disagree Strongly ag												
	0	10	20	30	40	50	60	70	80	90	100	
()						1						
End of Block: sensation-seeking scale												
Start of Block: demographics												
ai_companion_exp Before this survey, have your companion app before?	ou e	ever	use	d an	artif	ficial	l inte	ellige	ence	(AI)		
O Yes (1)												
O No (2)												
ai_companion_exp2 <b>If you answered 'yes' abo</b>	ve,	plea	ise e	xpla	in.							
									_			
Page Break ————————————————————————————————————												

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

edu What is the highest level of education you ha	ave	com	plete	ed?							
O High School or Equivalent (1)											
O Vocational/Technical School (2 year) (2)											
○ 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)											
ai_capability How capable do you think artificia intelligent as human beings?				<b>ce (</b> <i>i</i>				<b>omin</b> finite			e
	0	10	20	30	40	50	60	70	80	90	100
()						1					
End of Block: demographics											