Prolific ID

What is your Prolific ID?

Please note that this response should auto-fill with the correct ID

If you are not from Prolific, you can enter anything and resume.

\${e://Field/PROLIFIC_PID}

AudioNotification

For this study, you will need to be able to watch videos and listen to what is said. Make sure your sound is turned on and you are able to listen. 🔊

The study is not optimized for mobile phones, so please use your laptop to fill it out.

Consent Form

Ethical Clearance: MRSP-23/24-39624

I would like to invite you to participate in this research project which forms part of my PhD research. Please take time to read the following information.

What is the purpose of the project?

We want to explore how people want robots to react in various human-robot interaction scenarios. This will allow us to program more user-friendly and adaptable robots.

Why have I been invited to take part?

You fit the inclusion criteria set on Prolific.

What will happen if I take part?

You will take part in an anonymous survey. During the survey, you will:

- answer some questions regarding your attitudes towards robots
- watch videos of human-robot or human-human interactions.
- answer a few questions regarding each video. The survey will take you approximately 25 minutes to complete.

Do I have to take part?

Participation is completely voluntary.

Data handling and confidentiality

This research is anonymous. This means that nobody, including the researchers, will be aware of your identity, and that nobody will be able to connect you to the answers you provide, even indirectly. Your answers will nevertheless be treated confidentially and the information you provide will not allow you to be identified in any research outputs. Your data will be held securely on our servers, but they might be published on a public data repository.

Your data will be processed under the terms of UK data protection law (including the UK GDPR and the Data Protection Act 2018)

What if I change my mind about taking part?

You are free to withdraw at any point by simply closing the browser window! If you withdraw up until the end of the experiment, we will not retain your data. However, you will not be paid in that case and need to return your submission on Prolific by selecting the 'Stop without completing' button.

What will happen to the results of the project?

The results will be published in scientific papers and my PhD thesis.

Contacts

If you have any questions or want to know more, contact

Lennart Wachowiak, lennart.wachowiak@kcl.ac.uk

If you wish to make a complaint, contact Dr Oya Celiktutan, oya.celiktutan@kcl.ac.uk

Funder: UK Research and Innovation

Thank you for taking part!!!

I consent to take part in the study and understand the above information.

O Yes

O No

Attention Check

In the next question, answer with "Apple". This is an attention check.

Based on the text above, what object have you been asked to select?

Persons and organizations related to development of robots will consider the needs, thoughts and feelings of their users

4

6

(Completely

I can trust persons and organizations related to

3

development of robots

(Completely

Disagree)

25/09/2023, 13:37] (Completely	2	3	Qualtrics S	urvey Software 5	6	7 (Completely
Disagree)		0				Agree)
I can trus	t a robo	ot				
l (Completely	2	3	4	5	6	7 (Completely
Disagree)	0	0	0	0	0	Agree)
I would fe	el relax	ed talkin	g with a	robot		
1	2	3	4	5	6	7
(Completely Disagree)	0	0	0	0	0	(Completely Agree)
		- Li	و الوادودد		ا مان ما	al Ala a va a
If robots h	naa em	Otions, i	would be	e able to	berrien	a tnem
l (Completely	2	3	4	5	6	7 (Completely
Disagree)	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	Agree)

Robots are necessary because they can do jobs that are too hard or too dangerous for people

5/09/2023, 13:37			Qualtrics S	urvey Software		
1	2	3	4	5	6	7
(Completely Disagree)	0	0	0	0	0	(Completely Agree)
Robots co	an mak	e life eas	sier			
1	2	3	4	5	6	7
(Completely Disagree)	0	\circ	\circ	\circ	\circ	(Completely Agree)
Assigning meaningf			o robots	lets peop	ole do m	nore
(Completely	2	3	4	5	6	7 (Completely
(Completely Disagree)	\circ	\circ	\circ	\circ	\bigcirc	(Completely Agree)
Dangerou	ıs tasks	s should	orimarily	be giver	n to robe	ots
1	2	3	4	5	6	7
(Completely Disagree)	\circ	0	0	0	0	(Completely Agree)

Here, answer with "I (Completely Disagree)". This is an

attention check.

1	2	3	4	5	6	7
(Completely						(Completely
Disagree)						Agree)

Robots are a good thing for society, because they help people



Video Section Intro

Next, we will ask you to watch some short videos of a robot and answer questions about them. Feel free to watch the videos in fullscreen and rewatch the clip if needed.

You might need to increase the sound volume in the YouTube player controls.

HRI-Uncertainty_Loc



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	\circ	0	\circ	0	0
The robot should explain why it is uncertain		0	0	\bigcirc	\bigcirc
The robot should say what is happening	0	0	\circ	\circ	\bigcirc

	l (Completely Disagree)	2	3	4	5 (Completely Agree)		
The robot should say what it is going to do next	\circ	0	0	0	\bigcirc		
The robot should ask for help	0	0	\circ	\circ	\circ		
The robot should continue with its tasks without making any specific comments		0	0	0	0		
\$ {e://Field/FollowUpHRI}							

HRI-Uncertainty_Path

\${e://Field/instruction_vid}



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	0	0
The robot should explain why it is uncertain		0	\circ	\bigcirc	\circ
The robot should say what is happening	0	0	\circ	\bigcirc	0
The robot should say what it is going to do next	0	0	\circ	0	0
The robot should ask for help	\circ	\circ	\circ	\bigcirc	0

Disagree)	2	3	4	(Completely Agree)
\bigcirc	0			
0	0		0	0
owUpHRI}				
		O O Owuphri}		

HRI_Error_Grasp



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	\bigcirc	\circ
The robot should explain why it failed	\circ	0	\circ	\bigcirc	\bigcirc
The robot should say what is happening		0	0	\bigcirc	\circ
The robot should say what it is going to do next	0	0	\circ	0	\circ

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	0	0	\circ	0	\circ
The robot should continue with its tasks without making any specific comments		0		0	0
\${e://Field/Fo	ollowUpHRI}				

HRI-Error-Speech



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	\bigcirc	0	\circ	\bigcirc	\circ
The robot should explain why it gave the wrong response		0	0	\bigcirc	\circ
The robot should say what is happening		0	0	\bigcirc	
The robot should say what it is going to do next	\bigcirc	0	0	\bigcirc	\circ

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	0	0	\circ	0	\circ
The robot should continue with its tasks without making any specific comments				0	0
\${e://Field/Fo	ollowUpHRI}				

HRI-SubOpt-Grasp



	(Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	0	0
The robot should explain why it grasped in that way	\bigcirc	0	0	\circ	0
The robot should say what is happening	0	0	0	0	\circ
The robot should say what it is going to do next	0	\circ	\circ	0	\circ

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	0	0	\circ	0	0
The robot should continue with its tasks without making any specific comments		0			0
\${e://Field/Fo	ollowUpHRI}				

HRI-Success-Time



	(Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	0	\bigcirc	0
The robot should explain why it said that	0	\circ	0	\circ	\circ
The robot should say what is happening	0	0	0	0	0
The robot should say what it is going to do next	0	\circ	0	0	0

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	\bigcirc	0	\circ	0	0
The robot should continue with its tasks without making any specific comments				0	
\${e://Field/Fc	ollowUpHRI}				

HRI-Success-Grasp

S_G_HRI

What task is the robot doing in the video? This is an attention check.

- O Counting cans
- O Bringing an object
- O Telling a story

	1 (Completely Disagree)	2	3	4	5 (Completely Agree)			
The robot should apologise	\bigcirc	0	0	\bigcirc	0			
The robot should explain why it did that	0	0	\circ	\circ	\circ			
The robot should say what is happening	0	\bigcirc	\circ	0	\circ			
The robot should say what it is going to do next	0	\bigcirc	\bigcirc	\circ	\circ			
The robot should ask for help	0	\bigcirc	\circ	\bigcirc	\circ			
The robot should continue with its tasks without making any specific comments	0	0		0				
\${e://Field/FollowUpHRI}								

HRI-Success-Joke



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	\circ	0	\circ	0	0
The robot should explain why it said that		0	\circ	\circ	\circ
The robot should say what is happening		0	0	\bigcirc	\circ
The robot should say what it is going to do next	0	\circ	\circ	\circ	0

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	\circ	0	\bigcirc	\bigcirc	\bigcirc
The robot should continue with its tasks without making any specific comments		0	0	0	
Answer with "5 (Completely Agree)"		0	0		
\${e://Field/Fc	ollowUpHRI}				

HRI-Success-Vision



What task is the robot doing in the video? This is an attention check.

- O Counting cans
- Grasping an object
- Telling a story

	l (Completely Disagree)	2	3	4	5 (Completely Agree)		
The robot should apologise	\bigcirc	0	0	\circ	\circ		
The robot should explain why it said that	0	0	0	0	0		
The robot should say what is happening	\circ	0	0	\circ	\circ		
The robot should say what it is going to do next	\circ	0	\circ	\circ	\bigcirc		
The robot should ask for help	0	\bigcirc	\circ	\circ	\circ		
The robot should continue with its tasks without making any specific comments	0	0					
\${e://Field/FollowUpHRI}							

HRI-Inability-Grasp



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	\bigcirc	\circ
The robot should explain why it is unable to do the task	0	0	0	0	0
The robot should say what is happening	0	0	0	0	0
The robot should say what it is going to do next	0	0	0	0	0

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	\circ	0	\circ	\bigcirc	\circ
The robot should continue with its tasks without making any specific comments		0			
Answer with "5 (Completely Agree)"		0		0	
\${e://Field/Fc	ollowUpHRI}				

HRI-Inability-Broken



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	0	\circ
The robot should explain why it is damaged		0	\circ	\circ	\circ
The robot should say what is happening		0	\circ	\circ	
The robot should say what it is going to do next		0	0	\circ	

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	\circ	\circ	\circ	0	0
The robot should continue with its tasks without making any specific comments		0		0	
\${e://Field/Fc	ollowUpHRI}				

HRI-SubOpt-Movement



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	\circ	0	\circ	\bigcirc	\circ
The robot should explain why it took the long way		0	0	\bigcirc	
The robot should say what is happening		0	0	\bigcirc	
The robot should say what it is going to do next		0	0	\bigcirc	\circ

	l (Completely Disagree)	2	3	4	5 (Completely Agree)		
The robot should ask for help	\circ	\bigcirc	\circ	0	\bigcirc		
The robot should continue with its tasks without making any specific comments		0	0	0			
Answer with "5 (Completely Agree)"	0	0	0	0	0		
\${e://Field/FollowUpHRI}							

HRI-Norm-Conv



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	\bigcirc	0
The robot should explain why it interrupted them		0	0	\bigcirc	\circ
The robot should say what is happening		0	\circ	\bigcirc	\bigcirc
The robot should say what it is going to do next		0	0	\circ	\bigcirc

l (Completely Disagree)	2	3	4	5 (Completely Agree)
\circ	0	0	0	0
			0	
llowUpHRI}				
	Disagree)		Disagree) 2 3	Disagree) 2 3 4

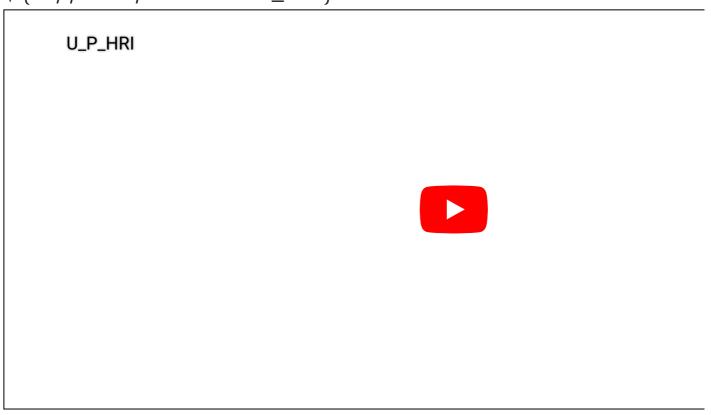
HRI-Norm-Movement



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	0	\circ
The robot should explain why it moved through them	0	0	0	0	0
The robot should say what is happening	0	0	0	\circ	\circ
The robot should say what it is going to do next	\circ	0	0	0	\circ

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	\bigcirc	\circ	0	0	0
The robot should continue with its tasks without making any specific comments		0		0	
\${e://Field/Fc	ollowUpHRI}				

HRI-Unforseen-Path



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	\circ	0	\circ	\bigcirc	0
The robot should explain why it had to stop		0	0	\bigcirc	\circ
The robot should say what is happening		0	0	\bigcirc	
The robot should say what it is going to do next	0	0	\circ	\circ	0

	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should ask for help	\bigcirc	0	\circ	0	0
The robot should continue with its tasks without making any specific comments				0	
\${e://Field/Fc	ollowUpHRI}				

HRI-Unforseen-Object



	l (Completely Disagree)	2	3	4	5 (Completely Agree)
The robot should apologise	0	0	\circ	\bigcirc	0
The robot should explain why it had to stop		0	0	\bigcirc	
The robot should say what is happening		0	0	\bigcirc	
The robot should say what it is going to do next	0	\circ	\circ	\circ	0

	l (Completely Disagree)	2	3	4	5 (Completely Agree)		
The robot should ask for help	\circ	0	\circ	0	\bigcirc		
The robot should continue with its tasks without making any specific comments							
\${e://Field/FollowUpHRI}							

Demographic Data

What best describes your ethnic origin?

\bigcirc	White
\bigcirc	Black/African/Caribbean
0	Asian (Indian, Pakistani, Bangladeshi, Chinese, any other Asian background)
\bigcirc	Mixed two or more ethnic groups
\bigcirc	Other (Arab or any others)
\bigcirc	Prefer not to say

What country do you live in?
What is your gender?
O Male
O Female
O Non-binary / third gender
O Prefer not to say
What is your age?
I studied computer science/engineering/robotics
O Yes
O No
I already programmed a robot
O Yes

25/09/2023, 13:37 NO			Qualtrics S	urvey Software		
I already O Yes O No	interac	ted with	a robot i	n real life		
How exp	erience	d are you	ı with rok	oots?		
1 (no experience)	2	3	4	5	6	7 (a lot of experience
Final Co			add anv	, comme	ents vou	ı want to
•		ing the su	•		•	

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