Survey Text: Nonverbal Human Signals Can Help Autonomous Agents Infer Human Preferences for Their Behavior

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CONSENT FOR PARTICIPATION IN A RESEARCH STUDY

IRB Protocol# X

<u>Study Title:</u> Leveraging Implicit Feedback in Human-Agent Interactions

Research Study Summary: We are asking you to join a research study. The purpose of this research study is to investigate the use of implicit feedback (e.g., facial expressions) to improve human-agent interactions (i.e., actions between humans and autonomous entities, such as robots or software that perceive their environment and take actions). Study activities will include: interacting with agents in a virtual environment, having your audio and video recorded, annotating data, and filling out surveys. Your involvement will require approximately 18 minutes. You must be 18 years of age or older, be fluent in English, and have normal or corrected-to-normal vision to participate in this study. By agreeing to participate in this study, you consent to being audio- and video-recorded during your interactions with agents in the virtual environment. This means that you need to have a webcam and microphone available in your computer to complete the study. By agreeing to participate in this study, you give your permission to share short portions of any video or audio recording for: Annotation (e.g., labeling perceived emotion from facial expressions) by third parties (e.g., students in the Lab at University, or crowd-sourcing via platforms like Amazon Mechanical Turk); Creation of a dataset for future research on implicit feedback; and Illustrative reasons in presentations of this work for scientific, educational, and publicity purposes. Due to the nature of video and audio recordings, confidentiality can not be guaranteed. However, we will make no effort to identify participants from audio or video data. The study will have no benefits to you. We hope our results will add to the knowledge about how to improve the interactions between humans and autonomous agents (i.e., entities that perform behaviors based on perception of environment without external control). Taking part in this study is your choice. You can choose to take part, or you can choose not to take part in this study. You also can change your mind at any time. Whatever choice you make will have no negative consequences. If you are interested in learning more about the study, please continue reading. At the end of this form, we will ask you if you wish to participate; if so, you will have to click "Accept to participate in the study".

Why is this study being offered to me?

We are asking you to take part in a research study because we want to understand how to best design autonomous agents that effectively interact with humans. Participants must be 18 years

of age or older, be fluent in English, and have normal or corrected-to-normal vision.

Who is paying for the study?

This study is supported by an Amazon Research Award and private funds.

What is the study about?

The purpose of this study is to investigate the use of implicit feedback (e.g., facial expressions) to improve human-agent interactions. We will also explore different annotation processes for the implicit feedback to better understand how we can effectively annotate this data and use it to create better social agents.

Research designs sometimes require that the full intent of the study not be explained prior to participation. Although we have described the general nature of the tasks that you will be asked to perform, the full intent of the study will not be explained to you until after the completion of the study. At that time, we will provide you with a full debriefing which will include an explanation of the purpose of the study and other relevant background information pertaining to the study. You may decide to withdraw from the study or have your data removed as well.

What are you asking me to do and how long will it take?

If you agree to take part, your participation in this study will involve interacting with agents in a virtual environment, such as a video game. While you interact with the agents, audio and video data will be collected via your computer microphone and webcam.

Throughout the study, you will be asked to complete short questionnaires, including a survey with demographics questions (e.g., age, gender, experience with robots and video games) and other questions about your experience in the virtual environment. We expect the study to take 18 minutes of your time.

Are there any risks from participating in this research?

There is a risk that you will be identified when the data is shared with other researchers. There is a risk of possible loss of confidentiality.

Are there any costs to participation?

You will not have to pay for taking part in this study.

Will I be paid for participation?

You will be paid for taking part in this study. The amount of payment depends on the expected length of the study as indicated above. The rate of payment is \$3.60 for 18 minutes. You will be paid when you have completed all the surveys. If you do not want to be audio and video taped, please do not participate in this study. By participating, you agree to permit these recordings.

How will you keep my data safe and private?

By agreeing to participate in this study, you give your permission to share portions of any video or audio recording for research or publication purposes. The researchers may use automated,

online commercial services (such as Google Cloud Speech API or Microsoft's Azure Cognitive Services APIs) to automatically analyze relevant portions of audio and video from the experiment. These services use encryption to protect user information. Researchers may also use crowd-sourcing (e.g., Amazon Mechanical Turk) or third-party annotators (e.g., students in the Lab at University) to manually label video or audio recordings.

In order to protect participants' identities during this study, each participant will be given an alphanumeric participant ID and all collected research data will be labelled according to the participant ID, not by names. We will make no effort to identify participants based on collected audio or video recordings.

We will store raw audio and video data on password protected and secure servers for as long as possible, as we would like other researchers to be able to use this data.

By participating, you understand and agree that data, including audio and video recordings, and information gathered during this study may be used by University and published and/or disclosed by to others outside of . Your name, address, contact information, and other direct personal identifiers will not be included in any publication or dissemination of this research data and/or results by University. Audio and video recordings may be shared for research or publication purposes, but will not include your name or personal information. We will not ask you for any additional permission.

What if I want to refuse or end participation before the study is over?

Taking part in this study is your choice. You can choose to take part, or you can choose not to take part in this study. You also can change your mind at any time. Whatever choice you make will not have any effect on your relationship with University.

If you choose to end participation before the study is over, your data will be deleted. It will not be used for our research or distributed to others for research purposes.

Who should I contact if I have questions?

Please feel free to ask about anything you don't understand.

If you have questions later or if you have a research-related problem, you can contact the Principal Investigator.

If you have questions about your rights as a research participant, or you have complaints about this research, you can call the Institutional Review Boards.

understand this consent form and the information presented; agree to participate in this study; and agree to have your face and audio recorded and shared.
O I agree to participate in this study.
End of Block: Consent
Start of Block: Check Webcam
By agreeing to participate in this study, you have agreed to have your face recorded via your webcam. We will now check that your webcam is working.
We will also check the quality of your webcam image. A "bounding box" should surround your face in the image on the next page. Once we have captured enough images in which we can detect your face, a message will show informing you of the color of the bounding box so that you can answer the question on the next page.
Please ensure your browser is as large as possible for this survey.
Page Break
What is the color of the bounding box?
A few important notes: If you are prompted that the current site would like to access your camera please click "Allow". If your image does not show, please review your browser settings so that access to your camera is allowed. Please ensure no one else is in the frame. Some objects may incorrectly be detected as faces; if a box surrounds an object other than your face, please remove the object from the frame if possible. Lighting may affect our ability to detect your face. If your face is not bounded by a box below, please check if you have backlighting or other issues that may affect the image.
EUO OL BIOCK: GRECK WEDCZM

By clicking "Agree to participate in the study" below you are indicating that you: read and

Please report your internet speed by running a speed test.
Click this link to open a Google internet speed test: Speed Test.
Then click the blue button labeled "RUN SPEED TEST".
Once the speed test is complete, copy the "Mbps download" value into this text box:
Once the speed test is complete, copy the "Mbps upload" value into this text box:
End of Block: Check internet speed
Start of Block: Demographics
Please complete the following questions regarding demographic and other basic information.
What is your age?

Start of Block: Check internet speed

How do you describe your gender?
○ Male
○ Female
O Nonbinary
O Prefer not to say
In which country did you spend the majority of your childhood?
▼ United States of America Zimbabwe
How would you describe your English level?
O Native speaker
O Near native / fluent
O Highly proficient
O Good command
O Basic communication skills
What languages, other than English, do you speak?

Are you a stude	ent?					
O Yes						
○ No						
Display This Que	estion:					
If Are you a	student? = \	Yes				
What is your m	ajor?					
Display This Que		Vo				
What is your or	ecupation?					
How often do y	ou					
	Daily	4-6 times a week	2-3 times a week	Once a week	Once a month	Less than once a month
use a computer?	0	0	0	0	0	0
play video games?	\circ	\circ	\circ	\circ	\circ	\circ
interact with robots?	\circ	\circ	\circ	\circ	\circ	0
I						

Have you ever played the video game Space Invaders before?										
O Yes										
○ No										
O Not sure										
End of Block: Demographics										
Start of Block: Visual a	ssessment									
Please select the answer that best matches your self-assessment of your visual field and near visual activity.										
Because of your vision, o	lo you Not at all	Quite a lot	Very much							
have problems crossing a street?	0	0	0							
bump against other people when in crowded areas?	\circ	\circ								
have problems in perceiving a dip on the ground or step?	\circ	\circ	\circ							
have problems in reading an article in a newspaper or names/numbers in the telephone directory?		0								
have problems in doing a manual activity such as cooking, sewing, cutting your nails?		0								

End of Block: Visual assessment

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Start of Block: Competitiveness

Please indicate your agreement with the statements below on a 5-pt scale from strongly disagree (1) to strongly agree (5).

	1 (strongly disagree)	2	3 (neither agree nor disagree)	4	5 (strongly agree)
I like competition.	0	0	0	0	0
l am a competitive individual.	0	\circ	0	0	0
I enjoy competing against an opponent.	0	0	0	\circ	0
I don't like competing against other people.	0	0	0	\circ	0
I get satisfaction from competing with others.	0	0	0	0	0
I find competitive situations unpleasant.	0	0	0	0	0
I dread competing against other people.	0	0	0	\circ	0
I try to avoid competing with others.	0	0	0	0	0
I often try to outperform others.	0	0	0	0	0

End of Block: Competitiveness

Start of Block: TIPI Personality

Here are a number of personality traits that may or may not apply to you. Please select a number next to each statement to indicate the extent to which you agree or disagree with that statement. You should rate the extent to which the pair of traits applies to you, even if one characteristic applies more strongly than the other.

I see myself as: 4 (neither 7 (strongly 2 3 agree nor 5 6 (strongly disagree) disagree) agree) extraverted, enthusiastic. critical, quarrelsome. dependable, selfdisciplined. anxious, easily upset. open to new experiences, complex. reserved, quiet. sympathetic, warm. disorganized, careless. calm, emotionally stable. conventional,

End of Block: TIPI Personality

uncreative.

Explanation of following survey blocks:

Participants were assigned to one of 3 co-player Identities (AI, Human, Computer) and one of two Orders (Early-First, Late-First). Participants answered the blocks for their Identity condition, in a pre-determined order.

For example, a participant in the AI Identity condition who was in the Late-First Order completed the blocks in the following order:

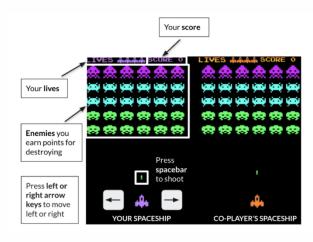
- Late Cooperative: Al
- Late Cooperative questions: Al
- Early Cooperative: Al
- Early Cooperative questions: Al
- Final questions: Al

The image of the game is identical in all six combinations of Identity and Order, and the instructions are the same within the same identity.

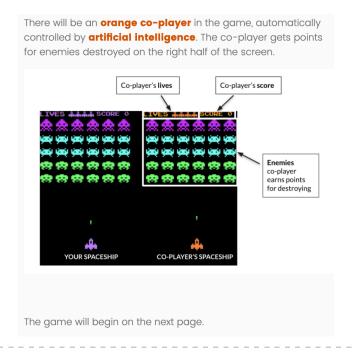
Start of Block: Early Cooperative: Al

You will play a round of Space Invaders.

You are the **purple ship**, and you start with 4 lives. Use the **left and right arrow keys** to move, and press the **spacebar** to shoot. Your shooting speed is limited, so pressing the spacebar may not always result in a bullet being shot— that's part of the game. You get points for enemies destroyed on the left half of the screen.



After the game is over, you will see a 4-character completion code. It may take up to a minute (based on your internet connection) for the code to appear. Please enter this code in the box below the game.



Page Break



Please enter your 4-character completion code below after completing the round. It may take up to a minute (based on your internet connection) for the code to appear. Please do not refresh the page.

Note: this code is just for the box below. It is NOT the survey completion code for your recruitment site (e.g., Prolific)-- you will receive that after completing the rest of the survey.

End of Block: Early Cooperative: Al Start of Block: Early Cooperative questions: Al Part 1: Game Experience "Game" in the statements below refers to the round of Space Invaders that you just completed. Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them. 7 (strongly 2 3 6 (strongly (neutral) disagree) agree) I enjoyed the game The game was difficult The game was boring I would play this game for fun

Part 2: Co-Player Experience

Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.									
	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)		
The co- player was helpful	0	0	0	0	0	0	0		
The co- player was proficient at the game	0	0	0	0	0	0	0		
The co- player was intelligent	0	0	0	0	0	\circ	0		
The co- player was annoying	0	0	0	\circ	0	0	0		
I liked the behavior of the co- player in the game	0	\circ	0	\circ	\circ	0	0		

Part 3: Co-Player Attributes

How closely would you associate the following words with the co-player that you just played the game with?

game with?				4			
	1 (not at all)	2	3	(moderate amount)	5	6	7 (very much so)
Нарру	\circ	\circ	\bigcirc	\circ	\circ	\bigcirc	\circ
Feeling	\bigcirc	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Social	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Organic	\circ	\bigcirc	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Compassionate	\circ	\bigcirc	\bigcirc	\circ	\circ	\bigcirc	\circ
Emotional	\circ	\bigcirc	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Capable	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Responsive	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Interactive	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Reliable	\bigcirc	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Competent	\bigcirc	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Knowledgeable	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Scary	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Strange	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Awkward	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Dangerous	\circ	\circ	\bigcirc	\bigcirc	\circ	\circ	\circ
Awful	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ
Aggressive	\circ	\circ	\bigcirc	\bigcirc	\circ	\bigcirc	\circ

Page Break ————————————————————————————————————
Part 4: Interaction
Did anything about the behavior of the co-player seem unusual to you?
○ Yes
○ No
O Not sure
Display This Question:
If Did anything about the behavior of the co-player seem unusual to you? = Yes
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure
Please explain your answer to the question about the behavior of the co-player seeming unusual.
Did you help the co-player?
○ Yes
○ No
O Not sure

Please explain	n your answer about if you helped the co-player.	
	e researchers improve the game and/or co-player behavior to make your the the co-player better?	
-		
End of Block	: Early Cooperative questions: Al	
Start of Block	k: Late Cooperative: Al	
	See Early Cooperative: Al block for image of game instructions.	
Page Break		
	See Early Cooperative: Al block for image of co-player information.	

Page	Break ————————————————————————————————————
	See Early Cooperative AI block for image of the game.
	e enter your 4-character completion code below after completing the round. It may take up inute (based on your internet connection) for the code to appear. Please do not refresh ge.
	this code is just for the box below. It is NOT the survey completion code for your ment site (e.g., Prolific) you will receive that after completing the rest of the survey.
End o	f Block: Late Cooperative: Al
Start o	of Block: Late Cooperative questions: Al
Part 1	Game Experience
"Game	e" in the statements below refers to the round of Space Invaders that you just completed.

Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.

	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
I enjoyed the game	0	0	0	0	0	0	0
The game was difficult	0	0	0	0	0	0	0
The game was boring	0	0	0	0	0	0	0
I would play this game for fun	0	\circ	\circ	0	\circ	0	0
Page Break							

Part 2: Co-Player Experience

The "co-player" in the statements below refers to the orange spaceship controlled by artificial intelligence in the game. "Game" refers to the round of Space Invaders that you just completed.

Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.

. 0	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
The co- player was helpful	0	0	0	0	0	0	0
The co- player was proficient at the game	0	0	0	0	0	0	0
The co- player was intelligent	0	0	0	0	0	0	0
The co- player was annoying	0	0	0	0	0	0	0
I liked the behavior of the co- player in the game	0	0	0	0	0	0	0
Page Break							

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Part 3: Co-player Attributes

How closely would you associate the following words with the co-player that you just played the game with?

game with:	ı						
	1 (not at all)	2	3	4 (moderate amount)	5	6	7 (very much so)
Нарру	0	\circ	\circ	\circ	\circ	\circ	\circ
Feeling	0	\bigcirc		\circ	\bigcirc	\circ	\circ
Social	0	\circ	\circ	\circ	\circ	\circ	\circ
Organic	0	\circ	\circ	\circ	\circ	\circ	\circ
Compassionate	0	\circ	\bigcirc	\circ	\circ	\circ	\circ
Emotional	0	\circ	\circ	\circ	\circ		\circ
Capable	0	\circ	\circ	\circ	\circ		\circ
Responsive		\circ	\circ	\circ	\circ	\circ	\circ
Interactive		\circ	\circ	\circ	\circ	\circ	\circ
Reliable		\circ	\circ	\circ	\circ	\circ	\circ
Competent		\circ	\circ	\circ	\circ	\circ	\circ
Knowledgeable		\circ	\circ	\circ	\circ		\circ
Scary		\circ		\circ	\circ	\circ	\circ
Strange		\circ		\circ	\circ		\circ
Awkward		\circ		0	\circ		\circ
Dangerous							
Awful		0		0	0		0
Aggressive	0	0	0	0	0	0	0

Page Break
Part 4: Interaction
Did anything about the behavior of the co-player seem unusual to you?
○ Yes
○ No
O Not sure
Display This Question:
If Did anything about the behavior of the co-player seem unusual to you? = Yes
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure
Please explain your answer to the question about the behavior of the co-player seeming unusual.
Did you help the co-player?
Did you help the co-player? Yes

Please explain your answer about if you helped the co-player. How could the researchers improve the game and/or co-player behavior to make your interaction with the co-player better? End of Block: Late Cooperative questions: Al Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
End of Block: Late Cooperative questions: Al Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	Please explain your answer about if you helped the co-player.
End of Block: Late Cooperative questions: Al Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
End of Block: Late Cooperative questions: Al Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
End of Block: Late Cooperative questions: Al Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
End of Block: Late Cooperative questions: Al Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
End of Block: Late Cooperative questions: Al Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
Start of Block: Final questions: Al You played with co-players with different behaviors in the two rounds of Space Invaders.	
You played with co-players with different behaviors in the two rounds of Space Invaders.	End of Block: Late Cooperative questions: Al
	Start of Block: Final questions: Al
Did you notice a difference in the co-player's behavior between Round 1 and Round 2?	You played with co-players with different behaviors in the two rounds of Space Invaders.
- y	Did you notice a difference in the co-player's behavior between Round 1 and Round 2?
○ Yes	○ Yes
○ No	○ No
O Not sure	O Not sure

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I)ieni:	ay This	י בוווו	etion'
וטטוע	ay iiiis	QUE	วแบบ.

If Did you notice a difference in the co-player's behavior between Round 1 and Round 2? = Yes

Or Did you notice a difference in the co-player's behavior between Round 1 and Round 2? = Not sure

What was the difference in the co-player's behavior between Round 1 and Round 2 that you noticed?
Page Break ————————————————————————————————————
You experienced two different behaviors for the orange co-player in the game:
- Early behavior: The co-player came to the left side to help destroy enemies on the left before all enemies on the right were destroyed.
- Late Behavior: the co-player waited to come to the left side to help destroy enemies on the left until after all enemies on the right were destroyed.
Remember: you only received points for enemies destroyed on the left.

	Early behavior	Late behavior	Unsure / do not remember
Round 1	\circ	\circ	\circ
Round 2	\circ	0	0
Which co-player behavio	or did you prefer (by rou	nd)?	
O Round 1			
O Round 2			
O Did not prefer on	e over the other		
Please explain your ans	wer for which co-player	behavior you preferred.	

Did you go over to the right side of the game screen at all?	
O Yes: in Round 1 and Round 2	
O Yes: only in Round 1	
O Yes: only in Round 2	
○ No	
Please explain why you went to the right side of the game or not.	
Please explain why you went to the right side of the game or not.	

This study is collecting video data to study if facial reactions can be used by computer agents to recognize whether users like their interactions with them. However, not everybody expresses emotions the same way via their face. Thus, below we ask you to complete the Berkeley expressivity questionnaire to measure your level of expressivity. Completing this questionnaire will allow us to better understand the video data collected during the study, but is optional.

For each statement below, please indicate your agreement or disagreement on a scale from 1 (strongly disagree) to 7 (strongly agree):

	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
Whenever I feel positive emotions, people can easily see exactly what I am feeling	0	0	0	0	0	0	0
sometimes cry during sad movies People	0	0	0	0	0	0	\circ
often do not know what I am feeling I laugh out loud when	0	0	0	0	0	0	0
someone tells me a joke that I think is funny It is difficult	0	0	0	0	0	0	0
for me to hide my fear When I'm	0	0	0	0	\circ	0	\circ
happy, my feelings show My body	0	0	0	0	0	0	0
reacts very strongly to emotional situations I've learned it is better to	0	0	0	0	0	0	0
suppress my anger than to show it	0	0	0	0	0	0	0

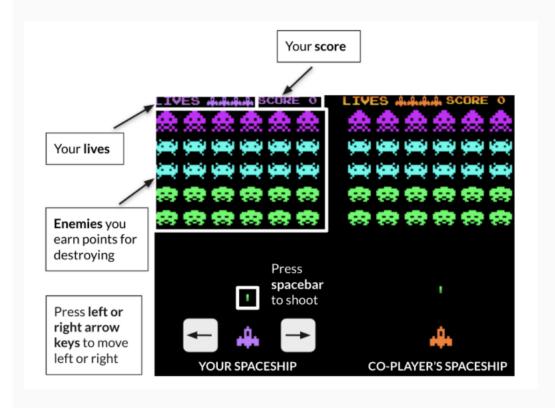
No matter how							
nervous or upset I am, I tend to keep a calm exterior	0	0	0	0	0	0	0
I am an emotionally expressive person I have	0	0	0	0	0	0	0
strong emotions I am	0	\circ	\circ	\circ	\circ	\circ	\circ
sometimes unable to hide my feelings, even though I would like to Whenever	0	0	0	0	0	0	0
I feel negative emotions, people can easily see exactly what I am feeling There have	0	0	0	0	0	0	0
been times when I have not been able to stop crying even though I tried to stop	0			0		0	0
experience my emotions very strongly	0	0	0	0	\circ	0	0

What I'm feeling is written all over my face		0	0	0	0	0	0
Page Break -							
Do you have a the game?	ny suggestioi	ns to improv	e gamepla _ʻ	y? Did you n	otice any is	sues ("bugs	") during
If you felt that yany information							provide
Anything else y	you'd like to s	hare?					
End of Block:	Final questi	ons: Al					

Start of Block: Early Cooperative: Human

You will play a round of Space Invaders.

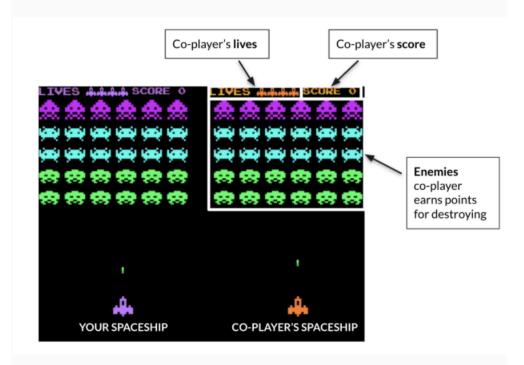
You are the **purple ship**, and you start with 4 lives. Use the **left** and right arrow keys to move, and press the **spacebar** to shoot. Your shooting speed is limited, so pressing the spacebar may not always result in a bullet being shot— that's part of the game. You get points for enemies destroyed on the left half of the screen.



After the game is over, you will see a 4-character completion code. It may take up to a minute (based on your internet connection) for the code to appear. Please enter this code in the box below the game.

Page Break

There will be an **orange co-player** in the game, controlled by another **human**. The co-player gets points for enemies destroyed on the right half of the screen.



The game will begin on the next page.

Page Break -



JS

Please enter your 4-character completion code below after completing the round. It may take up to a minute (based on your internet connection) for the code to appear. Please do not refresh the page.

Note: this code is just for the box below. It is NOT the survey completion code for your recruitment site (e.g., Prolific)-- you will receive that after completing the rest of the survey.

End of Block: Early Cooperative: Human

Start of Block: Early Cooperative questions: Human

Part 1: Game Experience

"Game" in the statements below refers to the round of Space Invaders that you just completed.

Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.

	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
I enjoyed the game	0	\circ	0	0	0	0	0
The game was difficult	0	0	0	0	0	0	0
The game was boring	0	0	0	0	0	0	0
I would play this game for fun	0	0	\circ	0	\circ	\circ	\circ
Page Break							

Part 2: Co-Player Experience

Page Break ————

				o the orange s of Space Inva			-
%							
	the statements on how much y		•	trongly disagre	e) to 7 (stro	ongly agre	e)
, ,	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
The co- player was helpful	0	0	0	0	0	0	0
The co- player was proficient at the game	0	0	0	0	0	0	0
The co- player was intelligent	0	\circ	\circ	0	\circ	\circ	0
The co- player was annoying	0	0	\circ	0	0	\circ	0
I liked the behavior of the co- player in the game	0	0	0	0	0	0	0

Part 3: Co-Player Attributes

How closely would you associate the following words with the co-player that you just played the game with?

game with?	1 (not at all)	2	3	4 (moderate amount)	5	6	7 (very much so)
Нарру	0	\circ	\bigcirc	\circ	\circ	\bigcirc	\circ
Feeling	0	\circ	\circ	\circ	\circ	\circ	\circ
Social	0	\circ	\circ	\circ	\circ	\circ	\circ
Organic	0	\circ	\circ	\circ	\circ	\circ	\circ
Compassionate	0	\circ	\circ	\circ	\circ	\circ	\circ
Emotional	0	\circ	\circ	\circ	\circ	\circ	\circ
Capable	0	\circ	\circ	\circ	\circ	\circ	\circ
Responsive	0	\circ	\circ	\circ	\circ	\circ	\circ
Interactive	0	\bigcirc		\circ	\bigcirc	\circ	\bigcirc
Reliable	0	\bigcirc		\circ	\bigcirc	\circ	\bigcirc
Competent	0	\bigcirc		\circ	\bigcirc	\circ	\bigcirc
Knowledgeable	0	\bigcirc	\circ	\circ	\bigcirc	\circ	\bigcirc
Scary	0	\bigcirc	\circ	\circ	\bigcirc	\circ	\bigcirc
Strange	0	\bigcirc	\circ	\circ	\bigcirc	\circ	\bigcirc
Awkward	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Dangerous	0	\bigcirc	\circ	\circ	\bigcirc	\circ	\bigcirc
Awful	0	\bigcirc	\circ	\circ	\bigcirc	\circ	\bigcirc
Aggressive	0	\bigcirc	\bigcirc	\bigcirc	\circ	\bigcirc	\circ

Page Break ————————————————————————————————————	
rage bleak	
Part 4: Interaction	
Did anything about the behavior of the co-player seem unusual to you?	
○ Yes	
○ No	
O Not sure	
Display This Question:	
If Did anything about the behavior of the co-player seem unusual to you? = Yes Or Did anything about the behavior of the co-player seem unusual to you? = Not sure	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming unusual.	
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure Please explain your answer to the question about the behavior of the co-player seeming unusual. Did you help the co-player?	

Please explain your answer about if you helped the co-player.
How could the researchers improve the game and/or co-player behavior to make your interaction with the co-player better?
End of Block: Early Cooperative questions: Human
Start of Block: Late Cooperative: Human
See Early Cooperative: Human block for image of game instructions.
Page Break -
See Early Cooperative: Human block for image of co-player information.

r ago Bro	MIX.	
	See Early Cooperative Human block for image of the game.	

Please enter your 4-character completion code below after completing the round. It may take up to a minute (based on your internet connection) for the code to appear. Please do not refresh the page.

Note: this code is just for the box below. It is NOT the survey completion code for your recruitment site (e.g., Prolific)-- you will receive that after completing the rest of the survey.

End of Block: Late Cooperative: Human

Start of Block: Late Cooperative questions: Human

Part 1: Game Experience

Page Break

"Game" in the statements below refers to the round of Space Invaders that you just completed.

Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.

	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
I enjoyed the game The	0	\circ	0	0	\circ	0	\circ
game was difficult The	0	0	0	0	0	0	0
game was boring I would	0	0	\circ	0	0	0	0
play this game for fun	0	0	0	0	0	0	0

Page Break Part 2: Co-Player Experience								
Fait 2. Co-Flayer Experience								
The "co-player" in the statements below refers to the orange spaceship controlled by another human in the game. "Game" refers to the round of Space Invaders that you just completed.								
Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.								
	(strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)	
The co- player was helpful	0	0	0	0	0	0	0	
The co- player was proficient at the game	0	0	0	0	0	0	0	
The co- player was intelligent	0	0	\circ	0	0	\circ	0	
The co- player was annoying	0	0	0	0	0	0	0	
I liked the behavior of the co- player in the game	0	0	0	0	0	0	0	

Part 3: Co-player Attributes

How closely would you associate the following words with the co-player that you just played the game with?

game with:	1 (not at all)	2	3	4 (moderate amount)	5	6	7 (very much so)
Нарру	0	\circ		\circ	\circ	\circ	\circ
Feeling	0	\circ	\circ	\circ	\circ	\circ	\circ
Social	0	\bigcirc	\circ	\circ	\circ	\bigcirc	\circ
Organic	0	\circ	\circ	\circ	\circ	\circ	\circ
Compassionate	0	\circ	\circ	\circ	\circ	\circ	\circ
Emotional	0	\circ	\circ	\circ	\circ	\circ	\circ
Capable	0	\circ	\circ	\circ	\circ	\circ	\circ
Responsive	0	\circ	\circ	\circ	\circ	\circ	\circ
Interactive	0	\circ	\circ	\circ	\circ	\circ	\circ
Reliable	0	\circ	\circ	\circ	\circ	\circ	\circ
Competent	0	\circ	\bigcirc	\circ	\circ	\circ	\circ
Knowledgeable	0	\circ	\bigcirc	\circ	\circ	\circ	\circ
Scary	0	\circ	\circ	\circ	\circ	\circ	\circ
Strange	0	\circ	\bigcirc	\circ	\circ	\circ	\circ
Awkward	0	\circ	\circ	\circ	\circ	\circ	\circ
Dangerous	0	\circ	\circ	\circ	\circ	\circ	\circ
Awful	0	\circ	\bigcirc	\circ	\circ	\circ	\circ
Aggressive	0	\bigcirc	0	\circ	\circ	\circ	\circ

Page Break ————————————————————————————————————	
Part 4: Interaction	
Did anything about the behavior of the co-player seem unusual to you?	
○ Yes	
○ No	
O Not sure	
Display This Question: If Did anything about the behavior of the co-player seem unusual to you? = Yes Or Did anything about the behavior of the co-player seem unusual to you? = Not sure	
Please explain your answer to the question about the behavior of the co-player seeming unusual.	
Did you help the co-player?	
○ Yes	
○ No	

Please explain your answer about if you helped the co-player.
,—————————————————————————————————————
How could the researchers improve the game and/or co-player behavior to make your interaction with the co-player better?

End of Block: Late Cooperative questions: Human
Start of Block: Final questions: Human
You played with co-players with different behaviors in the two rounds of Space Invaders.
Did you notice a difference in the co-player's behavior between Round 1 and Round 2?
○ Yes
○ No
O Not sure

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If Did you notice a difference in the co-player's behavior between Round 1 and Round 2? = Yes
Or Did you notice a difference in the co-player's behavior between Round 1 and Round 2? = Not sure

What was the difference noticed?	in the co-player's behav	vior between Round 1 a	nd Round 2 that you
Page Break ———			
You experienced two dit	ferent behaviors for the	orange co-player in the	game:
- Early behavior: The co all enemies on the right	-player came to the left s were destroyed.	side to help destroy ene	mies on the left before
	player waited to come to the right were destroye		stroy enemies on the left
Remember: you only red	ceived points for enemie	s destroyed on the left.	
Please identify which be	havior you think the co-p	olayer exhibited in each	of the two rounds you
	Early behavior	Late behavior	Unsure / do not remember
Round 1	0	0	0
Round 2			\circ

Which co-player behavior did you prefer (by round)?
O Round 1
O Round 2
O Did not prefer one over the other
Please explain your answer for which co-player behavior you preferred.
Did you go over to the right side of the game screen at all?
O Yes: in Round 1 and Round 2
O Yes: only in Round 1
O Yes: only in Round 2
○ No
Please explain why you went to the right side of the game or not.

Page Break ————————————————————————————————————
This survey originally suggested that you were interacting with another human in the virtual environment. However, the other agent was controlled automatically by a computer program. We could not tell you this before because the research team is interested in observing your reactions to the other agent's actions and studying whether these reactions differ when players believe that the other agent is controlled by a human versus a computer, or between different humans (e.g., between genders). We understand, though, if you wish to withdraw from the study at this point because you did not play the game with a real human. If that is the case, we will delete all your data; otherwise, we will use your responses and recordings to help advance human-agent interaction. Either way, you will get paid as promised for completing this survey.
Do you wish to continue being a participant in the study or would you prefer to withdraw your participation at this point?
Yes, I would like to continue being a participant.
O No, I would like to withdraw from the study and for all my data to be deleted.
End of Block: Final questions: Human
Start of Block: Final questions: Human continued
Does the fact that the co-player was actually controlled by a computer affect your perception of the co-player?
Yes, I like the co-player more after knowing that it was controlled by a computer.
Yes, I like the co-player less after knowing that it was controlled by a computer.
○ No

Page Break

This study is collecting video data to study if facial reactions can be used by computer agents to recognize whether users like their interactions with them. However, not everybody expresses emotions the same way via their face. Thus, below we ask you to complete the Berkeley expressivity questionnaire to measure your level of expressivity. Completing this questionnaire will allow us to better understand the video data collected during the study, but is optional.

For each statement below, please indicate your agreement or disagreement on a scale from 1 (strongly disagree) to 7 (strongly agree):

	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
Whenever I feel positive emotions, people can easily see exactly what I am feeling I	0	0	0	0	0	0	0
sometimes cry during sad movies People	0	0	0	0	0	0	0
often do not know what I am feeling I laugh out loud when	0	0	0	0	0	0	0
someone tells me a joke that I think is funny It is difficult	0	0	0	0	0	0	0
for me to hide my fear When I'm	0	\circ	0	0	\circ	0	0
happy, my feelings show My body reacts very	0	0	\circ	0	0	\circ	0
strongly to emotional situations l've learned it is better to	0	0	0	0	0	0	0
suppress my anger than to show it	0	0	0	0	0	0	\circ

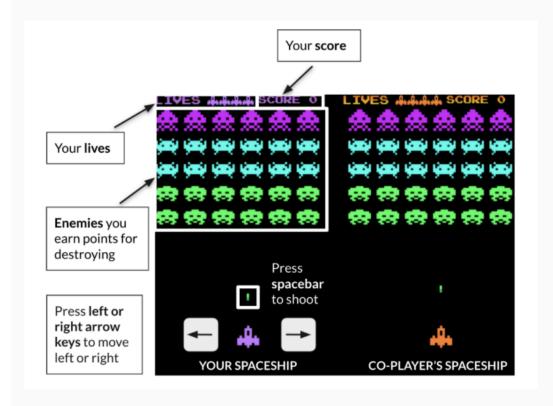
No matter how							
nervous or upset I am, I tend to keep a calm exterior	0	0	0	0	0	0	0
I am an emotionally expressive person I have	0	0	0	0	0	0	0
strong emotions I am	0	\circ	\circ	\circ	\circ	\circ	\circ
sometimes unable to hide my feelings, even though I would like to Whenever	0	0	0	0	0	0	0
I feel negative emotions, people can easily see exactly what I am feeling There have	0	0	0	0	0	0	0
been times when I have not been able to stop crying even though I tried to stop	0			0		0	0
experience my emotions very strongly	0	0	0	0	\circ	0	0

What I'm feeling is written all over my face	(0	\circ	0	\circ	0	\circ	\circ
Page Break								

Do you have any suggestions to improve gameplay? the game?	Did you notice any issues ("bugs") during
If you felt that you experienced any lag issues or bug any information about your computer (e.g., year, mod	•
Anything else you'd like to share?	
End of Block: Final questions: Human continued	

You will play a round of Space Invaders.

You are the **purple ship**, and you start with 4 lives. Use the **left** and right arrow keys to move, and press the **spacebar** to shoot. Your shooting speed is limited, so pressing the spacebar may not always result in a bullet being shot—that's part of the game. You get points for enemies destroyed on the left half of the screen.

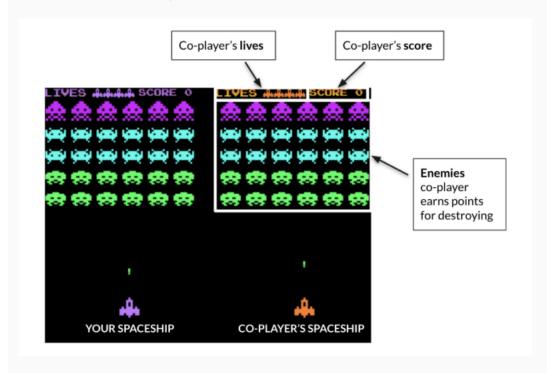


After the game is over, you will see a 4-character completion code. It may take up to a minute (based on your internet connection) for the code to appear. Please enter this code in the box below the game.

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Page Break

There will be an **orange co-player** in the game, automatically controlled by a **computer**. The co-player gets points for enemies destroyed on the right half of the screen.



The game will begin on the next page.

Page Break



Please enter your 4-character completion code below after completing the round. It may take up to a minute (based on your internet connection) for the code to appear. Please do not refresh the page.

Note: this code is just for the box below. It is NOT the survey completion code for your recruitment site (e.g., Prolific)-- you will receive that after completing the rest of the survey.

End of Block: Early Cooperative: Computer

Start of Block: Early Cooperative questions: Computer

Part 1: Game Experience

"Game" in the statements below refers to the round of Space Invaders that you just completed.

Page Break ——

Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.

	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
I enjoyed the game	0	0	0	0	0	0	0
The game was difficult	0	0	\circ	0	0	\circ	0
The game was boring	0	0	\circ	0	0	\circ	0
I would play this game for fun	0	0	\circ	0	0	\circ	0

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Part 2: Co-Player Experience

The "co-player" in the statements below refers to the orange spaceship automatically controlled
by a computer in the game. "Game" refers to the round of Space Invaders that you just
completed.

Please rate the statements on a scale from	1 (strongly	disagree) to	7 (strongly	agree)
depending on how much you agree with the	m			

asponanig s	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
The co- player was helpful	0	0	0	0	0	0	0
The co- player was proficient at the game	0	0	0	0	0	0	0
The co- player was intelligent	0	0	\circ	0	0	0	0
The co- player was annoying	0	0	\circ	0	0	0	0
I liked the behavior of the co- player in the game	0	0	0	0	0	0	0

Page Break ——

Part 3: Co-Player Attributes

How closely would you associate the following words with the co-player that you just played the game with?

game with?	1 (not at all)	2	3	4 (moderate amount)	5	6	7 (very much so)
Нарру	0	\circ	\bigcirc	\circ	\circ	\bigcirc	\circ
Feeling	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Social	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Organic	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Compassionate	0	\circ	\circ	\circ	\circ	\circ	\circ
Emotional	0	\circ	\circ	\circ	\circ	\circ	\circ
Capable	0	\circ	\circ	\circ	\circ	\circ	\circ
Responsive	0	\circ	\circ	\circ	\circ	\circ	\circ
Interactive	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Reliable	0	\circ	\circ	\circ	\circ	\circ	\circ
Competent	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Knowledgeable	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Scary	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Strange	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Awkward	0	\circ	\circ	\circ	\circ	\circ	\circ
Dangerous	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Awful	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Aggressive	0	\bigcirc	\circ	\circ	\circ	\circ	\circ

Page Break —
Part 4: Interaction
Did anything about the behavior of the co-player seem unusual to you?
○ Yes
○ No
O Not sure
Display This Question:
If Did anything about the behavior of the co-player seem unusual to you? = Yes
Or Did anything about the behavior of the co-player seem unusual to you? = Not sure
Please explain your answer to the question about the behavior of the co-player seeming unusual.

Did you help the co-player?
○ Yes
○ No
O Not sure
Please explain your answer about if you helped the co-player.
How could the researchers improve the game and/or co-player behavior to make your interaction with the co-player better?
End of Block: Early Cooperative questions: Computer

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See Early Coopera	ative: Computer block for image of game instructions.	
Page Break		
See Early Cooperat	ive: Computer block for image of co-player information.	
Page Break		
See Early Co	operative Computer block for image of the game.	
	completion code below after completing the round. It may take ernet connection) for the code to appear. Please do not refresh	 qu
	oox below. It is NOT the survey completion code for your - you will receive that after completing the rest of the survey.	
End of Block: Late Coopera	ive: Computer	
Start of Block: Late Coopera	itive questions: Computer	

Part 1: Game Experience

"Game" in the statements below refers to the round of Space Invaders that you just completed.									
Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.									
	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)		
I enjoyed the game	0	0	0	0	0	0	0		
The game was difficult	0	\circ	0	0	\circ	\circ	0		
The game was boring	0	\circ	0	0	\circ	\circ	0		
I would play this game for fun	0	0	0	0	0	0	0		
Page Break									

Part 2: Co-Player Experience

The "co-player" in the statements below refers to the orange spaceship automatically controlled
by a computer in the game. "Game" refers to the round of Space Invaders that you just
completed.

Please rate the statements on a scale from 1 (strongly disagree) to 7 (strongly agree) depending on how much you agree with them.

asponanig s	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
The co- player was helpful	0	0	0	0	0	0	0
The co- player was proficient at the game	0	0	0	0	0	0	0
The co- player was intelligent	0	0	\circ	0	0	0	0
The co- player was annoying	0	0	\circ	0	0	\circ	0
I liked the behavior of the co- player in the game	0	0	0	0	0	0	0

Part 3: Co-player Attributes

How closely would you associate the following words with the co-player that you just played the game with?

game with?	1 (not at all)	2	3	4 (moderate amount)	5	6	7 (very much so)
Нарру	0	\circ	\bigcirc	\circ	\circ	\bigcirc	\circ
Feeling	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Social	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Organic	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Compassionate	0	\circ	\circ	\circ	\circ	\circ	\circ
Emotional	0	\circ	\circ	\circ	\circ	\circ	\circ
Capable	0	\circ	\circ	\circ	\circ	\circ	\circ
Responsive	0	\circ	\circ	\circ	\circ	\circ	\circ
Interactive	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Reliable	0	\circ	\circ	\circ	\circ	\circ	\circ
Competent	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Knowledgeable	0	\bigcirc	\circ	\circ	\circ	\circ	\bigcirc
Scary	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Strange	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Awkward	0	\circ	\circ	\circ	\circ	\circ	\circ
Dangerous	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Awful	0	\circ	\circ	\circ	\circ	\bigcirc	\circ
Aggressive	0	\bigcirc	\circ	\circ	\circ	\circ	\circ

Danie Daniela	
Page Break Part 4: Interaction	
Tart 4. Interaction	
Did anything about the behavior of the co-player seem unusual to you?	
○ Yes	
○ No	
O Not sure	
Display This Question:	
If Did anything about the behavior of the co-player seem unusual to you? = Yes Or Did anything about the behavior of the co-player seem unusual to you? = Not sure	
Of Did arrything about the behavior of the co-player seem unusual to you? – Not sure	
Please explain your answer to the question about the behavior of the co-player seeming	
unusual.	
<u></u>	
Did you help the co-player?	
○ Yes	
○ No	
O Not sure	

Please explain your answer about if you helped the co-player.
How could the researchers improve the game and/or co-player behavior to make your interaction with the co-player better?

End of Block: Late Cooperative questions: Computer
Start of Block: Final questions: Computer
You played with co-players with different behaviors in the two rounds of Space Invaders.
Did you notice a difference in the co-player's behavior between Round 1 and Round 2?
○ Yes
○ No
O Not sure

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If Did you notice a difference in the co-player's behavior between Round 1 and Round 2? = Yes

Or Did you notice a difference in the co-player's behavior between Round 1 and Round 2? = Not sure

What was the difference noticed?	in the co-player's behave	vior between Round 1 a	nd Round 2 that you
Page Break ———			
You experienced two dif	ferent behaviors for the	orange co-player in the	game:
- Early behavior: The co all enemies on the right	-player came to the left s were destroyed.	side to help destroy ene	mies on the left before
-	player waited to come to the right were destroye	·	stroy enemies on the left
	ceived points for enemie	·	
	havior you think the co-		
	Early behavior	Late behavior	Unsure / do not remember
Round 1	0	0	0
Round 2			\circ

Which co-player behavior did you prefer (by round)?
O Round 1
O Round 2
O Did not prefer one over the other
Please explain your answer for which co-player behavior you preferred.
Did you go over to the right side of the game screen at all?
O Yes: in Round 1 and Round 2
O Yes: only in Round 1
O Yes: only in Round 2
○ No
Please explain why you went to the right side of the game or not.

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_																																																				
_																																													_							
	-		-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	 	 	 	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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This study is collecting video data to study if facial reactions can be used by computer agents to recognize whether users like their interactions with them. However, not everybody expresses emotions the same way via their face. Thus, below we ask you to complete the Berkeley expressivity questionnaire to measure your level of expressivity. Completing this questionnaire will allow us to better understand the video data collected during the study, but is optional.

For each statement below, please indicate your agreement or disagreement on a scale from 1 (strongly disagree) to 7 (strongly agree):

	1 (strongly disagree)	2	3	4 (neutral)	5	6	7 (strongly agree)
Whenever I feel positive emotions, people can easily see exactly what I am feeling	0	0	0	0	0	0	0
I sometimes cry during sad movies	0	0	0	0	0	0	0
People often do not know what I am feeling	0	0	0	0	0	0	0
I laugh out loud when someone tells me a joke that I think is funny	0	0	0	0	0	0	0
It is difficult for me to hide my fear	0	0	\circ	0	0	\circ	0
When I'm happy, my feelings show	0	0	0	0	0	0	0
My body reacts very strongly to emotional situations	0	0	0	0	0	0	0

I've learned it is better to suppress my anger than to show it	0	0	0	0	0	0	0
No matter how nervous or upset I am, I tend to keep a calm exterior	0	0	0	0	0	0	0
I am an emotionally expressive person	0	0	0	0	0	0	0
I have strong emotions	0	\circ	0	\circ	\circ	0	\circ
I am sometimes unable to hide my feelings, even though I would like to	0	0	0	0	0	0	0
Whenever I feel negative emotions, people can easily see exactly what I am feeling	0	0	0	0		0	0

There have been times when I have not been able to stop crying even though I tried to stop							0		
I experience my emotions very strongly	0	0	0	0	0	0	0		
What I'm feeling is written all over my face	0	0	0	0	0	0	0		
Page Break Do you have a the game?	any suggestio	ns to impro	ve gamepla	y? Did you r	notice any is	ssues ("bugs	s") during		
If you felt that you experienced any lag issues or bugs with the game and are willing to prany information about your computer (e.g., year, model), please do so below:									

ning else yo	u'd like to sl	hare?			