

Human-Robot Interaction Survey

The following questions are about how you think that you are drawing the robot's attention when giving oral command to the robot.

Evaluate how you think of the state of the robot when you send it an oral command.

* Required

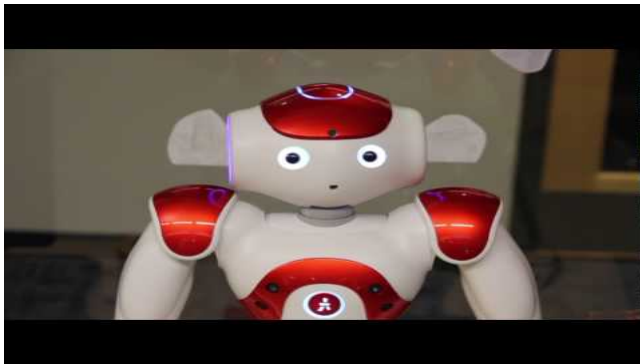
Suppose you are asking the robot to conduct a task.

1. "I think the robot is receiving my oral command when it pauses the task it's conducting." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Moving towards you



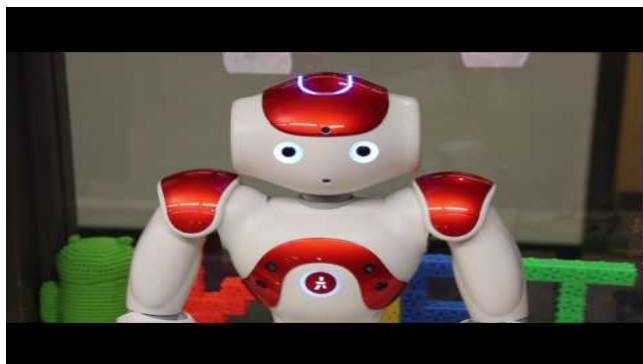
<http://youtube.com/watch?v=yPM3FbYFko8>

2. "I think the robot is receiving my oral command when it turns its eyes towards me." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Brightening



<http://youtube.com/watch?v=FdFq07DE2vk>

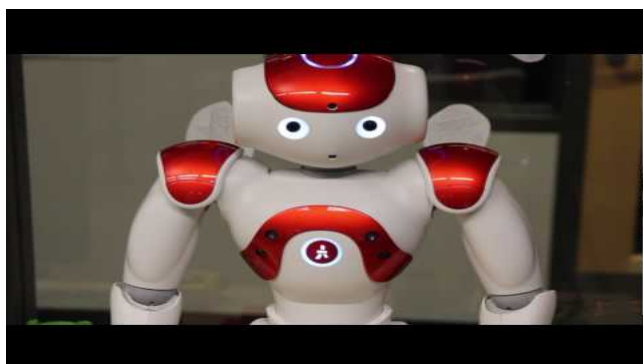
3. "I think the robot is receiving my oral command when the light of its eyes becomes brighter. "

*

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Blinking



<http://youtube.com/watch?v=cQBfaQJmqE>

4. "I think the robot is receiving my oral command when it's eyes are blinking." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Circling



<http://youtube.com/watch?v=yCKWbBX-rr0>

5. "I think the robot is receiving my oral command when it's eyes are circling." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

6. "I think the robot is receiving my oral command when it's eyes behaviors do not change." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

7. "I think the robot is receiving my oral command when the behaviors of conducting it's current task do not change." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

Human-Robot Interaction Survey

The following questions are about how you think that you are treated respectfully when giving oral command to the robot.

Evaluate how you think of the state of the robot when you send it an oral command.

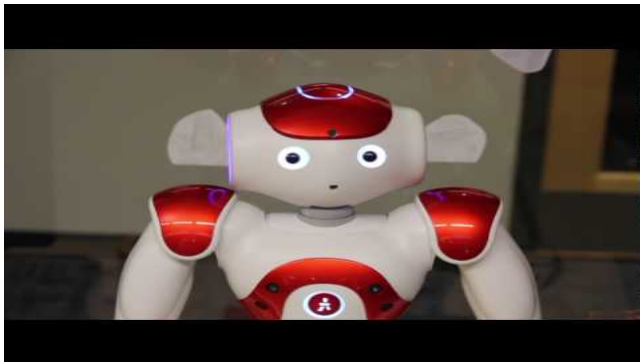
Suppose you are asking the robot to conduct a task.

8. "I'd feel being treated respectfully when giving oral command to the robot if it pauses the task it's conducting." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Moving towards you



<http://youtube.com/watch?v=yPM3FbYFko8>

9. "I'd feel being treated respectfully when giving my oral command if it turns its eyes towards me." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Brightening



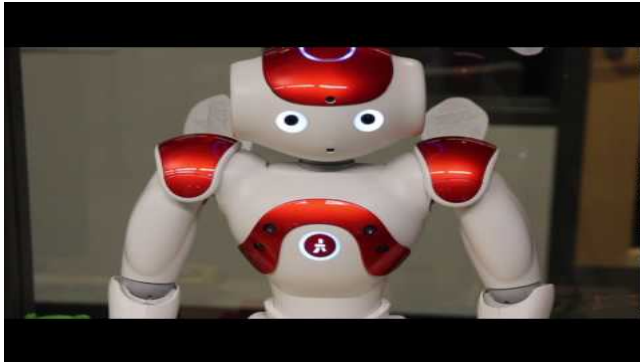
<http://youtube.com/watch?v=FdFq07DE2vk>

10. "I'd feel being treated respectfully when giving my oral command if the light of its eyes becomes brighter." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Blinking



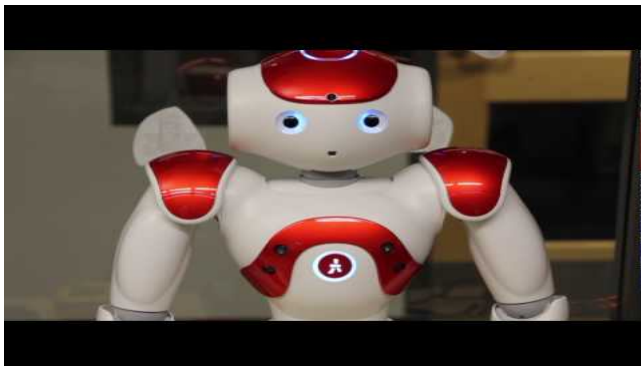
<http://youtube.com/watch?v=cQBfaQJmqE>

11. "I'd feel being treated respectfully when giving my oral command if it's eyes are blinking." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Circling



<http://youtube.com/watch?v=yCKWbBX-rr0>

12. "I'd feel being treated respectfully when giving my oral command if it's eyes are circling." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

13. "I'd feel being treated respectfully when giving my oral command if it's eyes behaviors do not change." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

14. "I'd feel being treated respectfully when giving my oral command if the behaviors of conducting it's current task do not change." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

Human-Robot Interaction Survey

The following questions are about how you think that the robot is willing to receive the oral command when it's conducting a task.

Evaluate how you think of the state of the robot when you send it an oral command.

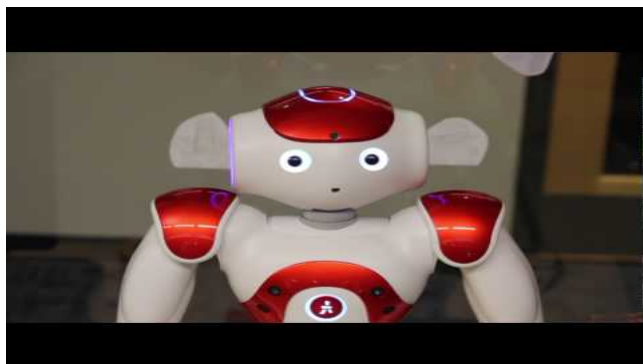
Suppose you are asking the robot to conduct a task.

15. "I feel the robot is willing to listen to my oral command when it pauses the task it's conducting." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Moving towards you



<http://youtube.com/watch?v=yPM3FbYFko8>

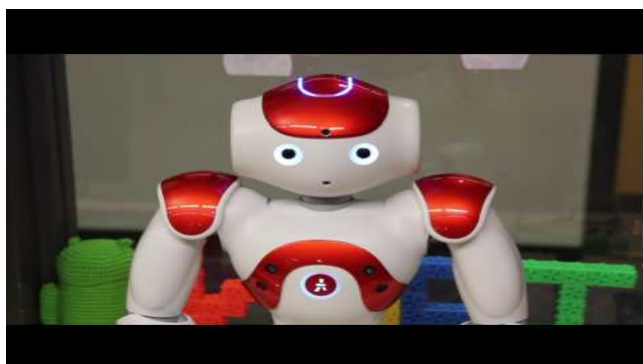
16. "I think the robot is willing to to listen to my oral command when it turns its eyes towards me."

*

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Brightening



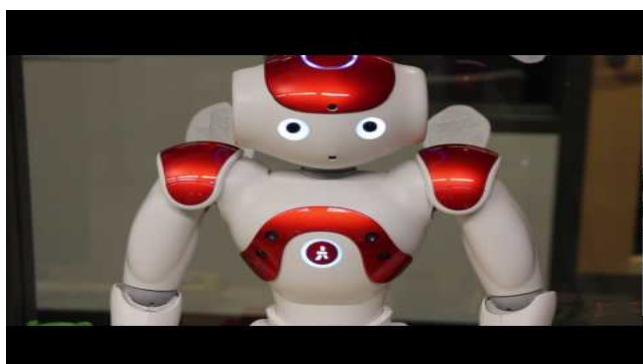
<http://youtube.com/watch?v=FdFq07DE2vk>

17. "I think the robot is willing to listen to my oral command when the light of its eyes becomes brighter." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Blinking



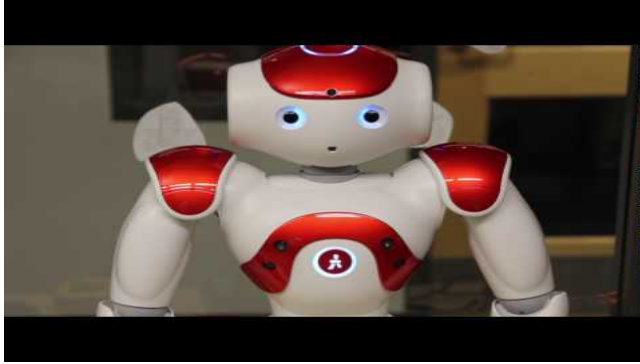
<http://youtube.com/watch?v=cQBfaQJmqE>

18. "I think the robot is willing to listen to my oral command when it's eyes are blinking." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

NAO Eyes Circling



<http://youtube.com/watch?v=yCKWbBX-rr0>

19. "I think the robot is willing to listen to my oral command when it's eyes are circling." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

20. "I think the robot is willing to listen to my oral command when it's eyes behaviors do not change." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

21. "I think the robot is willing to listen to my oral command when the behaviors of conducting it's current task do not change." *

Mark only one oval.

	1	2	3	4	5	6	7	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

General

22. If you have experience with robots, could you write a short description about it? *

23. Do you own a consumer robot like UNISROBO, KIROBO or Roomba? *

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Maybe
- ☐ Other: _____

24. How much experience did you have with robots? *

Mark only one oval.

	1	2	3	4	5	6	7	
Never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Expert

25. Which of the following would you prefer to ask for information? *

Mark only one oval.

- ☐ Human
- ☐ Robot
- ☐ Search Engine like Google, Bing
- ☐ Other: _____

26. If each of the following could help you to conduct a task with labor work, which would you prefer to ask for help? *

Mark only one oval.

- ☐ Human
- ☐ Robot
- ☐ Other: _____

You

27. Your age *

28. Your gender **Mark only one oval.*

- ☐ Male
- ☐ Female
- ☐ Prefer not to say
- ☐ Other: _____

29. What's your student major? *

30. In general, how much do you have eye contact with speaker in a conversation. **Mark only one oval.*

	1	2	3	4	5	6	7	
Never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very frequently

31. Do you own a dog? **Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Other: _____

32. How much do you use voice assistant such as Amazon Echo/Google Home/Google Voice/Siri **Mark only one oval.*

	1	2	3	4	5	6	7	
Never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Daily

33. Do you have experience as a waiter/waitress? **Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Maybe

34. Do you have experience as a volunteer? **Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Maybe

35. **Will you interrupt someone in a conversation with others to ask for help? ***

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Maybe

36. **Do you own a cat?**

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Maybe

Powered by



Google Forms