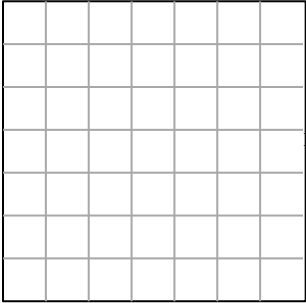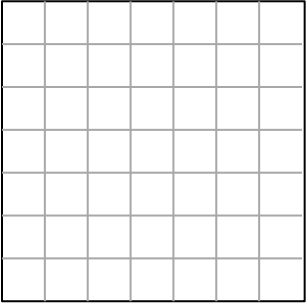# Post-Experiment Questionnaire

*Understanding Human-Robot Interaction* Study

Your initials: __

**Part I. Attitudes**

*Below are two 2-dimensional grids representing a scale of **how you perceived robot's attitude**. Please mark where on the grid you think closest represents robot's attitude.*

Stress    High Arousal    Excitement

Low Pleasure                    High Pleasure

Depression    Low Arousal    Relaxation

Hostile-Dominant    Dominant    Friendly-Dominant

Hostile                    Friendly

Hostile-Submissive    Submissive    Friendly-Submissive

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**Part II. Groupness**

*Please circle the picture below which best describes your relationship with the robot*



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**Part III. Feelings and emotions**

*This scale consists of a number of words that describe different feelings and emotions.  Read each item and then mark the appropriate answer in the space next to that word.*  **Indicate to what extent you feel this way right now, that is, at the present moment.**  *Use the following scale to record your answers:*

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| *very slightly or not at all* | *a little* | *moderately* | *quite a bit* | *extremely* |

_____ interested          _____ afraid

_____ distressed          _____ irritable

_____ excited             _____ alert

_____ upset               _____ ashamed

_____ strong              _____ inspired

_____ guilty              _____ nervous

_____ scared              _____ determined

_____ hostile             _____ attentive

_____ enthusiastic        _____ jittery

_____ proud               _____ active

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**Part IV. The robot**

*The following part consists of questions regarding **your observation of the robot**. Read each question and indicate your answer in a scale from 1 to 7.*

How human-like did the robot look?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How human-like did the robot behave?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How unattractive/attractive was the robot?

Unattractive   1 | 2 | 3 | 4 | 5 | 6 | 7   Attractive

How not cute/cute was the robot?

Not cute   1 | 2 | 3 | 4 | 5 | 6 | 7   Cute

How depressed/cheerful did the robot look?

Depressed   1 | 2 | 3 | 4 | 5 | 6 | 7   Cheerful

How unfriendly/friendly?

Unfriendly   1 | 2 | 3 | 4 | 5 | 6 | 7   Friendly

How pessimistic/optimistic?

Pessimistic   1 | 2 | 3 | 4 | 5 | 6 | 7   Optimistic

How cool/warm?

Cool   1 | 2 | 3 | 4 | 5 | 6 | 7   Warm

How unhappy/happy?

Unhappy   1 | 2 | 3 | 4 | 5 | 6 | 7   Happy

How ignorant/knowledgeable?

Ignorant   1 | 2 | 3 | 4 | 5 | 6 | 7   Knowledgeable

How irresponsible/responsible?

Irresponsible   1 | 2 | 3 | 4 | 5 | 6 | 7   Responsible

How unintelligent/intelligent?

Unintelligent   1 | 2 | 3 | 4 | 5 | 6 | 7   Intelligent

How foolish/sensible?

Foolish   1 | 2 | 3 | 4 | 5 | 6 | 7   Sensible

How much did you like the robot?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How much did the robot like you?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How disloyal/loyal was the robot?

Disloyal   1 | 2 | 3 | 4 | 5 | 6 | 7   Loyal

How dishonest/honest was the robot?

Dishonest   1 | 2 | 3 | 4 | 5 | 6 | 7   Honest

How competitive/cooperative was the robot?

Competitive   1 | 2 | 3 | 4 | 5 | 6 | 7   Cooperative

How inattentive/attentive was the robot <u>to you</u>?

Inattentive   1 | 2 | 3 | 4 | 5 | 6 | 7   Attentive

How inattentive/attentive was the robot <u>to the other participant</u>?

Inattentive   1 | 2 | 3 | 4 | 5 | 6 | 7   Attentive

How much did the robot look at you?

0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100%

What gender was the robot?     M     F

How old was the robot? _____

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**Part V. The Task**

*The following part consists of questions regarding **your experience with the task**. Read each question and indicate your answer in a scale from 1 to 7.*

How easy/difficult was to follow the story?

Easy   1 | 2 | 3 | 4 | 5 | 6 | 7   Difficult

How easy/difficult was to answer the questions you were asked?

Easy   1 | 2 | 3 | 4 | 5 | 6 | 7   Difficult

To what extent did you feel stressed?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How hard was it to understand the robot?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How much did you like this?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How willing would you be to do this again?

Very little   1 | 2 | 3 | 4 | 5 | 6 | 7   Very much

How bored/interested were you?

Bored   1 | 2 | 3 | 4 | 5 | 6 | 7   Interested

How inattentive/attentive were you?

Inattentive   1 | 2 | 3 | 4 | 5 | 6 | 7   Attentive

How dissatisfied/satisfied were you?

Dissatisfied   1 | 2 | 3 | 4 | 5 | 6 | 7   Satisfied

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**Part V. Your Relationship with the Group (You, the Other Participant, and the Robot)**

*The following part consists of questions regarding **your relationship with the group**. Read each question and indicate your answer in a scale from 1 to 7.*

How much did you feel you belonged to the group?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

How true is the statement: 'Life is meaningless'?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

How true is the statement: 'I am in control of my life'?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

To what extent do you think the group valued you as a person?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

To what extent did you feel that you were being ignored or excluded by the group?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

To what extent did you feel that you were being noticed or included by the group?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

How much did you like the group?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

How much did the group like you?

Not at all     1  |  2  |  3  |  4  |  5  |  6  |  7     Very much

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**Part VII. You**

1.  Your age? _____

2.  Your native language? _____

3.  Your gender?        M        F

4.  How often do you use a computer?

    Never        1 | 2 | 3 | 4 | 5 | 6 | 7        Often (daily)

5.  How familiar are you with robots?

    Not at all        1 | 2 | 3 | 4 | 5 | 6 | 7        Very familiar

6.  How often do you play video games?

    Never        1 | 2 | 3 | 4 | 5 | 6 | 7        Often (daily)

7.  What is your student major? _____

8.  Do you own a dog?    No        Yes

9.  Do you own a robot?  No        Yes. *What kind?* _____

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*All done! Thank you very much!*