

Attachment G: Post-Condition Questionnaire

Post-Condition Questionnaire

1. Please indicate the difficulty of interpreting the messages from the robot in the previous set of trials:

(Very Difficult) 1---2---3---4---5---6---7 (Very Easy)

2. On a 7-points scale, please indicate the extent to which you agree or disagree with the following statements that describe the robot.

a) I would feel safe working with the robot.

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

b) I trusted the robot would not hurt me.

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

3. Workload Questionnaire: Please rate the following items from 0 (minimal) to 10 (maximal)

a) How mentally demanding was the task?

(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)

b) How hard did you have to work to accomplish your level of performance?

(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)

c) How much did you have to control your emotions (e.g., frustration, anger, joy, disappointment)?

(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)

d) How much did the task require you to monitor your performance (i.e., ensure you were performing at specific levels)?

(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)

e) How much communication activity was required to work with the robot (e.g., receiving and responding to messages)?

(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)

f) How much coordination activity was required to work with the robot (e.g., correction, adjustment)?

(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)

- g) How difficult was it to provide and receive support (helping the robot coworker, receiving instructions, etc.) to/from the robot?
(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)
- h) How emotionally demanding was working with the robot?
(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)
- i) How much did the task require you to monitor your robot coworker's performance?
(Minimal) 0---1---2---3---4---5---6---7---8---9---10 (Maximal)

Workload Questionnaire derived from: Greenlee, E. T., Funke, G. J., & Rice, L. (2019). Evaluation of the Team Workload Questionnaire (TWLQ) in a Team-Choice Task. *Human factors*, 61(2), 348-359.

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