

## Comparative Usability of Robotic Control Systems for Manufacturing Based Human Robot Interaction Survey

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**Instructions:** This survey consists of 4 multiple choice questions and 12 scalar questions. For each question answer as honestly as you can and clearly mark one selection per question. On scalar questions place a dot on the scale to indicate your selection. After you have completed the survey, inform the research conductor and you will be debriefed.

### Experience Levels

How would you describe your experience level with robots?

- No experience       Beginner       Intermediate       Advanced

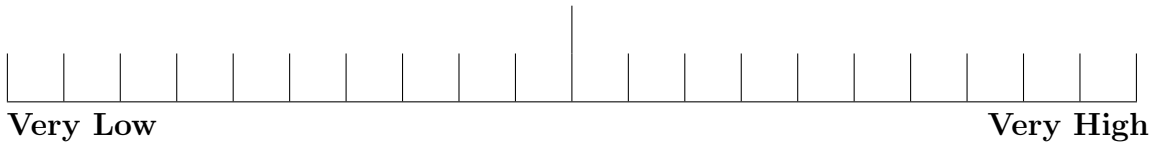
How would you describe your experience level with computer programming or procedural thinking?

- No experience       Beginner       Intermediate       Advanced

# Interface 1

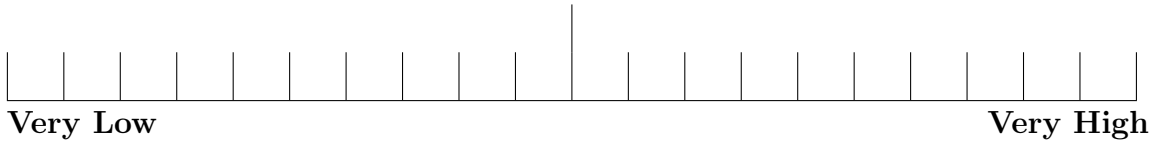
**Mental Demand**

How mentally demanding was the task?



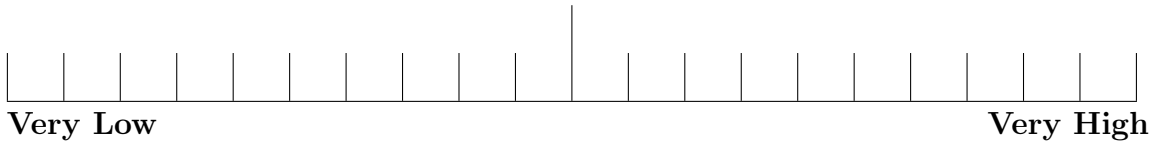
**Physical Demand**

How physically demanding was the task?



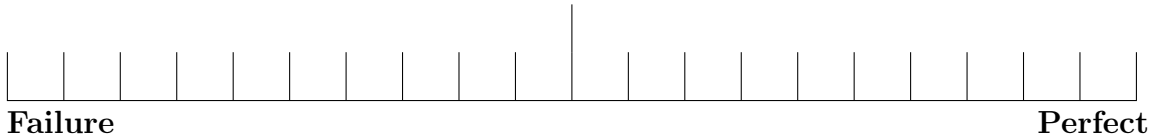
**Temporal Demand**

How hurried or rushed was the pace of the task?



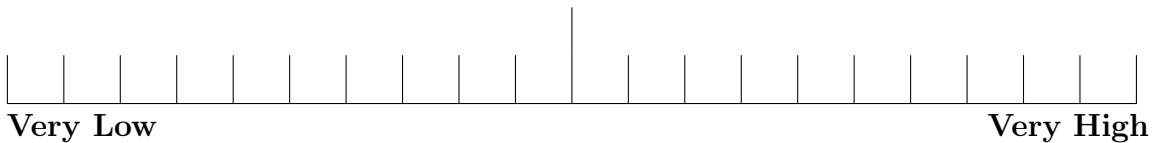
**Performance**

How successful were you in accomplishing what you were asked to do?



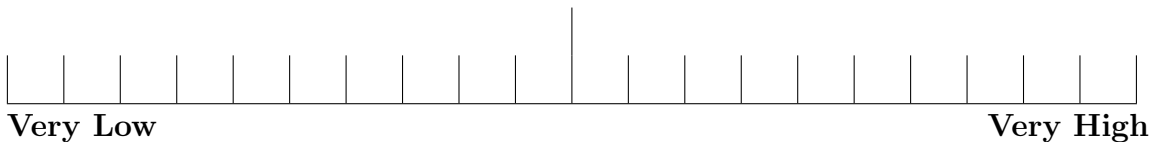
**Effort**

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



**Frustration**

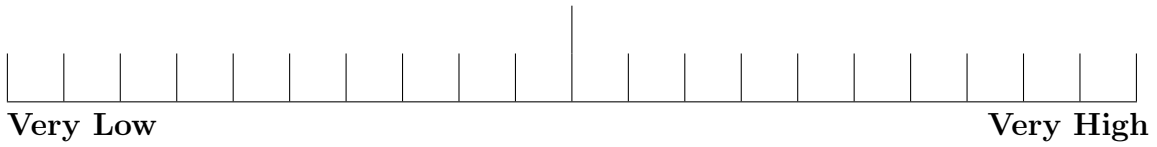
How insecure, discouraged, irritated, stressed, and annoyed were you?



# Interface 2

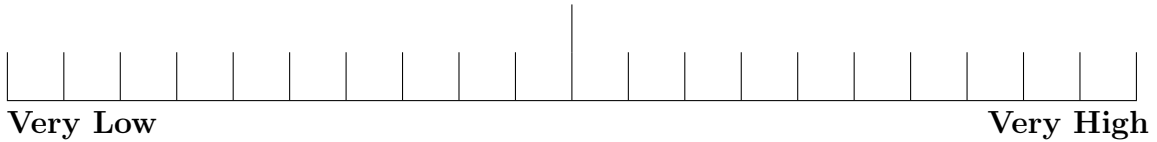
**Mental Demand**

How mentally demanding was the task?



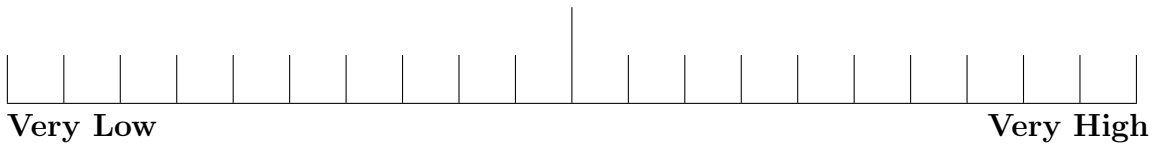
**Physical Demand**

How physically demanding was the task?



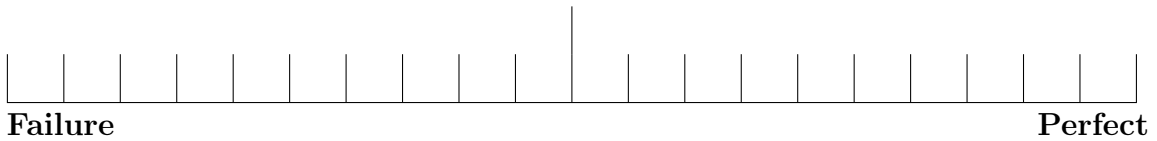
**Temporal Demand**

How hurried or rushed was the pace of the task?



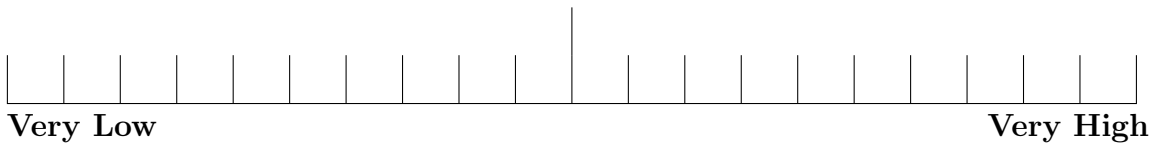
**Performance**

How successful were you in accomplishing what you were asked to do?



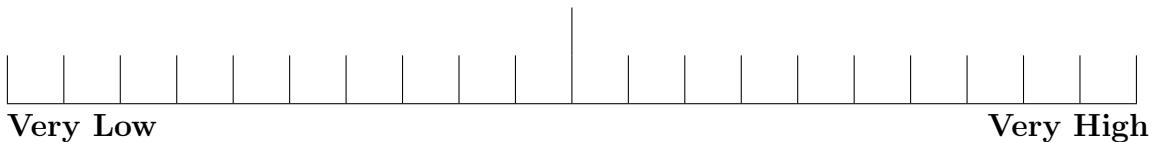
**Effort**

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



**Frustration**

How insecure, discouraged, irritated, stressed, and annoyed were you?



# Comparative Analysis

Which interface was easier to learn to use?

Interface 1

Interface 2

Which interface would you prefer to use to program a robot?

Interface 1

Interface 2