

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

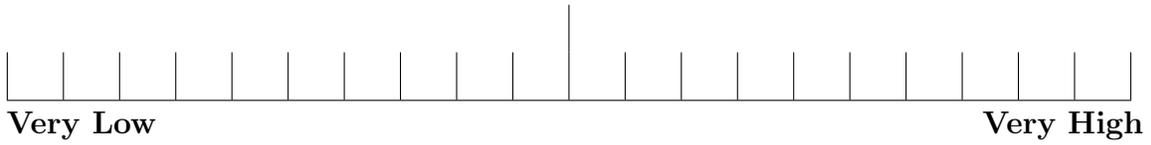
How would you describe your experience level with computer programming or procedural thinking?

- No experience Beginner Intermediate Advanced

Interface 1

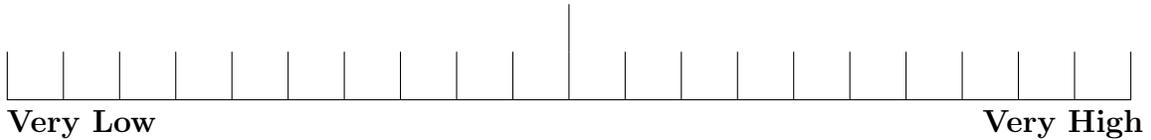
Mental Demand

How mentally demanding was the task?



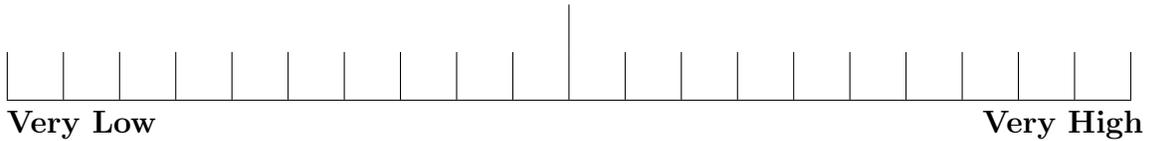
Physical Demand

How physically demanding was the task?



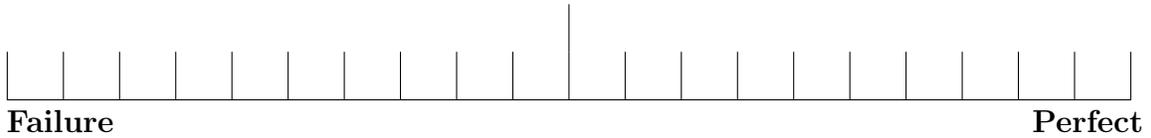
Temporal Demand

How hurried or rushed was the pace of the task?



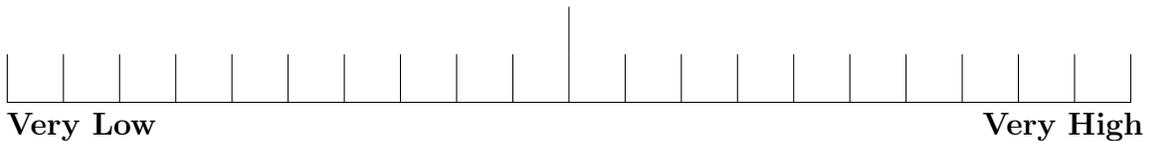
Performance

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



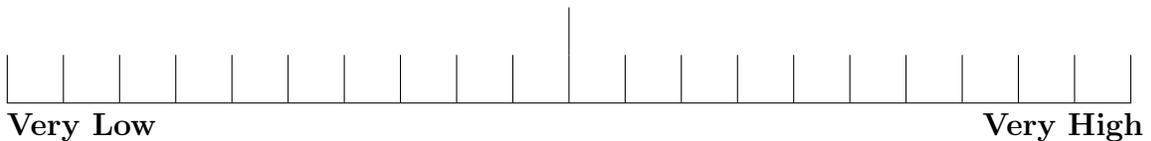
Effort

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



Frustration

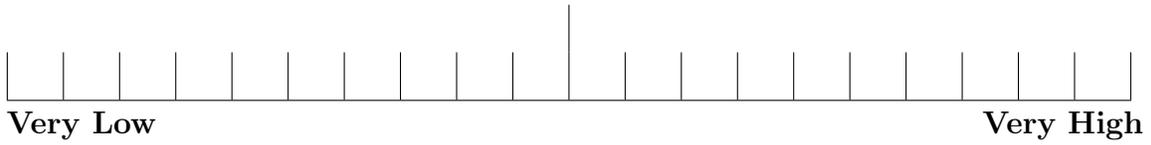
How insecure, discouraged, irritated, stressed, and annoyed were you?



Interface 2

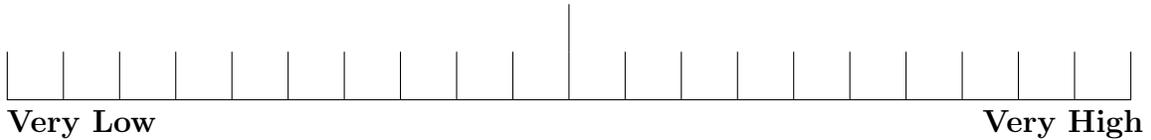
Mental Demand

How mentally demanding was the task?



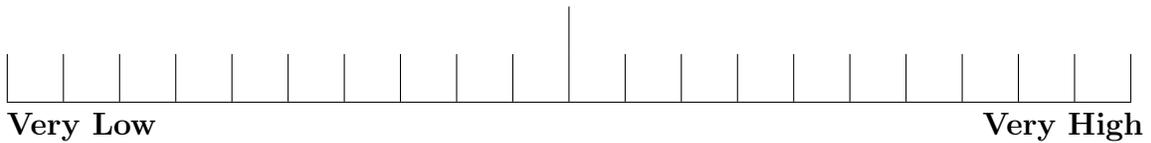
Physical Demand

How physically demanding was the task?



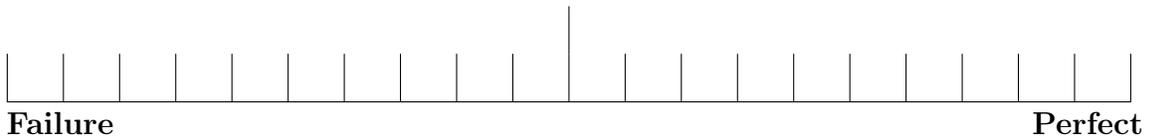
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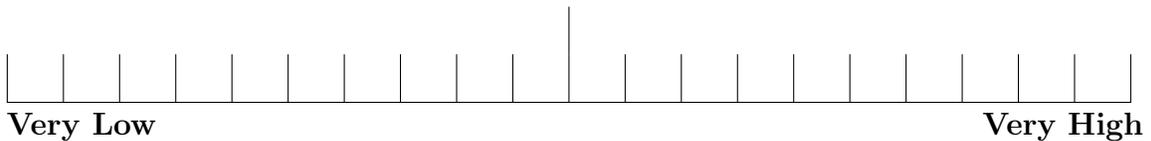
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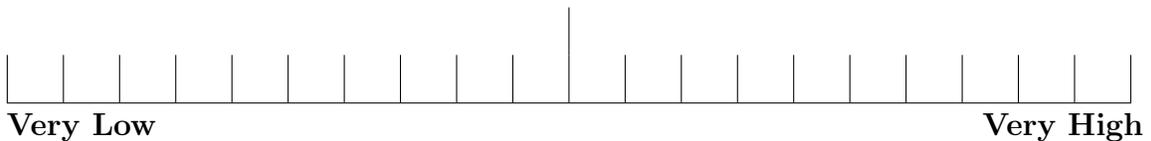
Effort

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