

Cognitive Workload

This questionnaire is designed to collect information on your cognitive workload using NASA-TLX, as well as the effort involved in understanding and editing code in the previous task.

* Indicates required question

Participant ID *

Your answer

Task name ★

Your answer

Mental Demand: How much mental and perceptual activity was required? Was the task easy or demanding, simple or complex?

1 2 3 4 5 6 7

Very low ○ ○ ○ ○ ○ ○ ○ Very high

Physical Demand: How much physical activity was required? Was the task easy or demanding, slack or strenuous?

1 2 3 4 5 6 7

Very low ○ ○ ○ ○ ○ ○ ○ Very high

Temporal Demand: How much time pressure did you feel due to the pace at which the tasks or task elements occurred? Was the pace slow or rapid?

1 2 3 4 5 6 7

Very low ○ ○ ○ ○ ○ ○ ○ Very high

Own Performance: How successful were you in performing the task? How satisfied were you with your performance?

Note: A LOWER score means perfect, while a HIGHER score indicates failure.

1 2 3 4 5 6 7

Perfect ○ ○ ○ ○ ○ ○ ○ Failure

Effort: How hard did you have to work (mentally and physically) to accomplish your level of performance?

1 2 3 4 5 6 7

Very low ○ ○ ○ ○ ○ ○ ○ Very high

Frustration Level: How irritated, stressed, and annoyed versus content, relaxed, and complacent did you feel during the task? ★

1 2 3 4 5 6 7

Very low ○ ○ ○ ○ ○ ○ ○ Very high

Understand Effort: How was your effort in understanding the code during the task?

1 2 3 4 5 6 7

Very low ○ ○ ○ ○ ○ ○ ○ Very high

Editing Effort: How was your effort in editing the code during the task? *

[illegible]