

Questionnaire

Demographic data and questions to the workload

* Indicates required question

1. Your name *

2. Age *

3. Gender *

Mark only one oval.

☐ Female

☐ Male

☐ Prefer not to say

☐ Other:

4. Estimate your experience level regarding neuroscience *

Mark only one oval.

weak

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

strong

5. How many years of experience do you have in the field of TMS? *

6. Did you ever perform tasks involving the extraction or analysis of data from visualizations? *

Mark only one oval.

☐ Yes

☐ No

7. In general, I found it easy to fulfill the tasks. *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

8. Switching between different visualization modes (Mesh, Volume, Fibers) was straightforward and intuitive. *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

9. The views of the 2D Slices were understandable and helpful. *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

10. Seeing the electric field in the red, green and yellow 2D Slices is beneficial for TMS treatment planning. *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

11. The visualization of the 3D TMS coil and the brain was very pleasing. *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

12. The colored electric field distribution was very clear. *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

13. How responsive was the tool to changes in stimulation parameters (e.g., coil location, intensity)? *

Mark only one oval.

Very unresponsive

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Very responsive

14. I do trust the real-time feedback provided by the neural network prediction (electric field). *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

15. Overall, I thought the system was easy to use. *

Mark only one oval.

Totally Disagree

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Totally Agree

NASA Task Load Index

Hart and Staveland's NASA Task Load Index (TLX) method assesses work load on five 7-point scales. Increments of high, medium and low estimates for each point result in 21 gradations on the scales.

This is an image of the Official NASA Task load questionnaire. We added the questions below so that you can fill them out by inserting a number on the scale.

NASA Task Load Index

Hart and Staveland's NASA Task Load Index (TLX) method assesses work load on five 7-point scales. Increments of high, medium and low estimates for each point result in 21 gradations on the scales.

Name	Task	Date
<p>Mental Demand How mentally demanding was the task?</p> <p>Very Low Very High</p>		
<p>Physical Demand How physically demanding was the task?</p> <p>Very Low Very High</p>		
<p>Temporal Demand How hurried or rushed was the pace of the task?</p> <p>Very Low Very High</p>		
<p>Performance How successful were you in accomplishing what you were asked to do?</p> <p>Perfect Failure</p>		
<p>Effort How hard did you have to work to accomplish your level of performance?</p> <p>Very Low Very High</p>		
<p>Frustration How insecure, discouraged, irritated, stressed, and annoyed were you?</p> <p>Very Low Very High</p>		

16. Mental Demand: From a scale from 0 (very low) to 21 (very high) : How mentally demanding was the task? *

17. Physical Demand: From a scale from 0 to 21 where 0 is very low and 21 is very high: How physically demanding was the task? *

18. Temporal Demand: From a scale from 0 (very low) to 21 (very high): How hurried or rushed was the pace of the task? *

19. Performance: From a scale from 0 (Failure) to 21 (Perfect): How successful were you in accomplishing what you were asked to do? *

20. Effort: From a scale from 0 (very low) to 21 (very high): How hard did you have to work to accomplish your level of performance? *

21. Frustration: From a scale from 0 (very low) to 21 (very high): How insecure, discouraged, irritated, stressed, and annoyed were you? *

22. These additional features/suggestions would be helpful for the TMS visualization tool: *

23. Any other/additional feedback, suggestions or ideas? What did you like or dislike? *

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