Deep Domain Object +

Participation in this questionnaire is voluntary and anonymous. The results will be published (in aggregated form) as part of scientific publications and my doctoral thesis. Conclusions about your person are neither intended nor possible. Your data will not be passed on to third parties under any circumstances.
There are 18 questions in this survey.

General

Did you participate in the MLM Tutorial? *

Please choose **only one** of the following:

- ◯ Yes
- ◯ No

Did you answer the MLM Tutorial questionnaire? *

Please choose **only one** of the following:

- ◯ Yes
- ◯ No

From your point of view ... *

Please choose the appropriate response for each item:

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
I already had experience with multi-level modeling before the user study.	◯	◯	◯	◯	◯	◯	◯
After the user study I understood the basics of this multi-level modeling approach (DDO+).	◯	◯	◯	◯	◯	◯	◯
The selected technologies (RDF, SHACL) helped me to improve my understanding of this multi-level modeling approach.	◯	◯	◯	◯	◯	◯	◯
The interactive work with the DDO-Playground helped me to improve my understanding of this multi-level modeling approach.	◯	◯	◯	◯	◯	◯	◯

NASA Task Load Index

How mentally demanding was the task? (0 - very low, 20 - very high) *

Please choose the appropriate response for each item:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Mental Demand	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯

How physically demanding was the task? (0 - very low, 20 - very high) *

Please choose the appropriate response for each item:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Physical Demand	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯

How hurried or rushed was the pace of the task? (0 - very low, 20 - very high) *

Please choose the appropriate response for each item:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Temporal Demand	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯

How successful were you in accomplishing what you were asked to do? (0 - perfect, 20 - failure) *

Please choose the appropriate response for each item:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Performance	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯	◯

How hard did you have to work to accomplish your level of performance? (0 - very low, 20 - very high) *

Please choose the appropriate response for each item:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Effort	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

How insecure, discouraged, irritated, stressed, and annoyed wereyou? (0 - very low, 20 - very high) *

Please choose the appropriate response for each item:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Frustration	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Task Assessment

In detail, which subtasks could you complete successfully, i.e., reach the expected outcome?

If you successfully completed a subtask, please provide your solution (i.e., SPARQL queries or SHACL shapes) as comment.

Task (1) - Task (6). Please upload your domain model, even if you could not solve all subtasks successfully.

Kindly attach the aforementioned documents along with the survey

Task (7): Define a SPARQL Query that counts the numbers of interventions for each instance of meta class CLASS/ActivityStudy/Participant/ActivityJITAI/CLASS.

Did you solve this subtask successfully?

If "Yes", please provide your solution as comment.
*

Please choose **only one** of the following:

○ Yes
○ No
○ I have not tried it

Make a comment on your choice here:

Task (8): Define a SPARQL Query that provides the average suggestedDuration for each instance of meta class CLASS/Study/Participant/JITAI/CLASS.

Did you solve this subtask successfully?

If "Yes", please provide your solution as comment.
*

Please choose **only one** of the following:

○ Yes
○ No
○ I have not tried it

Make a comment on your choice here:

Task (9): Define a SPARQL Query that selects all ActivityJITAI classes of individual participants using the navigation via n: properties only.

Did you solve this subtask successfully?

If "Yes", please provide your solution as comment. *

Please choose **only one** of the following:

○ Yes

○ No

○ I have not tried it

Make a comment on your choice here:

Task (10): Define a SPARQL Query that selects the total number of JITAI occurrences for each study.

Did you solve this subtask successfully?

If "Yes", please provide your solution as comment. *

Please choose **only one** of the following:

○ Yes

○ No

○ I have not tried it

Make a comment on your choice here:

Usability Metric for User Experience

From your point of view ... *

Please choose the appropriate response for each item:

	1 - strongly disagree	2	3	4	5	6	7 - strongly agree
The DDO-Playground capabilities meet my requirements.	○	○	○	○	○	○	○
Using the DDO-Playground is a frustrating experience.	○	○	○	○	○	○	○
The DDO-Playground is easy to use.	○	○	○	○	○	○	○
I have to spend too much time correcting things with the DDO-Playground.	○	○	○	○	○	○	○

Final Feedback

You are invited to give any feedback regarding the tutorial, tasks, DDO-Playground and the survey. This part is not compulsory, but please do not forget to submit the questionnaire. Thank you very much!

What was good?

Please write your answer here:

What was not so good?

Please write your answer here:

What could we have done better?

Please write your answer here:

30.06.2022 – 17:40

Submit your survey.
Thank you for completing this survey.