Basic Multi-Level Modeling in RDF and SHACL Tutorial

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 19 questions in this survey.

General

			rongly igree		2	2		3			4			5			6		7	- stror	
already had experience with multi-level modeling i.e., modeling with meta classes that define esultant, regularity, and direct properties) before utorial.		()					С)		С)		0			0			0	
after the tutorial I understood the basics of multi- evel modeling.		())		C)		С)		0			0			0	
he selected technologies (RDF, SHACL) helped n b improve my understanding of basic multi-level modeling.	10	(\supset					С)		С)		0			0			0	
he interactive work with the DDO-Playground elped me to improve my understanding of basic aulti-level modeling.		()					С)		С)		0			0			0	
he selected technologies (RDF, SHACL) are suite or multi-level modeling.	d	())		С)		С)		0			0			0	
lulti-level modeling for personalization of JITAIs eems to be a reasonable use case.		())		С)		С)		0			0			0	
ow mentally demanding was the tax ase choose the appropriate response for each item:					J - VE				•	•	40	4.2	40	40	4.4	45	40	4-	40	40	
ase choose the appropriate response for each item:) - ve	i y 10	vv, ∠(J - VE	ery ri	igii)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
ental Demand	\circ	0	0	0	0	0	0	0	0	\circ	0	0	0	0	0	0	0	0	0	0	(
		(0 - \	/ery l	ow, 2	20 - \	very	high)	*													
ease 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	
ease choose the appropriate response for each item:		1	2	3	20 - \	5	6	7			10				14	15	16	17	18	19	
hysical Demand ow hurried or rushed was the pace	0	1	2	3	4	5	6	7	0	0						_				19	(
ase choose the appropriate response for each item: nysical Demand ow hurried or rushed was the pace	0	1	2	3	4	5	6	7	0	0	0					_				19	(
hysical Demand Ow hurried or rushed was the pace ase choose the appropriate response for each item:	o of the	1 O	2 C k? (0	3 - ve	4 Ory lov	5 O w, 20	6 - ve	ry hi	gh) *	9	10	11	0	13	14	0	0	0	0	0	(
hysical Demand DW hurried or rushed was the pace ase choose the appropriate response for each item:	of the	1 O	2 C kk? (0	3 - Ve	4 O Arry lov	5 w, 20	6	7 O	gh) *	9	10	11	12	13	14	15	16	17	18	0	
hysical Demand Dow hurried or rushed was the pace ase choose the appropriate response for each item: Demporal Demand Dow successful were you in accomp	of the	1 O	2 C kk? (0	3 - Ve	4 O Arry lov	5 w, 20	6	7 O	gh) *	9	10	11	12	13	14	15	16	17	18	0	(
hysical Demand Dow hurried or rushed was the pace ase choose the appropriate response for each item: Demporal Demand Dow successful were you in accomp	of the	1 O	2 C kk? (0	3 - Ve	4 O Arry lov	5 w, 20	6	7 O	gh) *	9	10	11	12	13	14	15	16	17	18	0	(
ase choose the appropriate response for each item: nysical Demand Ow hurried or rushed was the pace ase choose the appropriate response for each item: omporal Demand Ow successful were you in accomp ase choose the appropriate response for each item:	of the	1 0 c task	2	3 3 - Ve	4 O rry lov 4 O arry arry arry arry arry arry arry arr	5 Sked	6 6 C C C C C C C C C C C C C C C C C C	7	gh) * 8	9 O	10 0	11 O	12 O	13	14	15	16	17	18	19	
hysical Demand Ow hurried or rushed was the pace ease choose the appropriate response for each item: Demporal Demand Ow successful were you in accomp ease choose the appropriate response for each item:	of the	tasl	2 C C C C C C C C C C C C C C C C C C C	3 - Ve	4 Orry low	5	6	7	gh) * 8 - pe	9 O	10 0	11	12 O	13 13	14	15	16	17	18	19	(
ow physically demanding was the tease choose the appropriate response for each item: Physical Demand Ow hurried or rushed was the pace ease choose the appropriate response for each item: Femporal Demand Ow successful were you in accompease choose the appropriate response for each item: Performance Ow hard did you have to work to accesse choose the appropriate response for each item:	of the o	tasl	2 C C C C C C C C C C C C C C C C C C C	3 - Ve	4 Orry low	5	6	7	gh) * 8 - pe	9 O	10 0	11	12 O	13 13	14	15	16	17	18	19	

1 von 5 21.07.2022, 07:06

IU LimeSurvey - Basic Multi-Level Modeling in RDF and SHACL	https://survey.jku.at/jku2018/index.php/admin/printablesurvey/sa/inde
---	---

How insecure, discouraged, irritated, stressed, and annoyed wereyou? (0 - very low, 20 - very high) * Please choose the appropriate response for each item: 7 8 9 10 11 12 13 14 15 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. Subtask 1: Define a SPARQL query that queries the direct and indirect instances of metaclass CLASS/JITAI/CLASS together with their descriptions and average duration. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. • Choose one of the following answers Please choose only one of the following: O Yes O No I have not tried it Make a comment on your choice here: Subtask 2: Define a SPARQL query that counts for each JITAI class the number of individual JITAI occurrences (considering direct and indirect instances and also considering JITAI classes that have no instances). Use the appropriate meta class in your query. Did you solve this subtask successfully?

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

 Choose one of the following answers Please choose only one of the following:

O Yes O No

O I have not tried it

Make a comment on your choice here:

21.07.2022, 07:06 2 von 5

meta class byIntensity.	uery that selects WalkingJITAI classes (use the appropriate meta class) that are also instances of
Did you solve this subtask succe	ssfully?
If "Yes", please provide your solu	ition as comment.
Choose one of the following answers	
Please choose only one of the following: Yes	
○ No	
I have not tried it	
Make a comment on your choice here:	
Subtask 4: Define a SPARQL quusing sh:minInclusive and sh:ma	uery that identifies for each JITAI class the limitations on duration made by SHACL property shapes
_	
Did you solve this subtask succe	
f "Yes", please provide your solu	tion as comment.
Choose one of the following answers	
Please choose only one of the following:	
Yes No	
I have not tried it	
Make a comment on your choice here:	
Subtask 5: Add SHACL propert minIntensity and maxIntensity ha	y shapes for minIntensity and for maxIntensity at the appropriate powertype, specifying that eve multiplicity 01 and datatype integer.
Did you solve this subtask succe	
f "Yes", please provide your solu	
Choose one of the following answers	
Please choose only one of the following:	
Yes No	
I have not tried it	
Make a comment on your choice here:	
	l l

3 von 5 21.07.2022, 07:06

|--|

If "Yes", please provide your solution as comment. 9 Choose are of the following answers Filese choose enty ear of the following answers Filese choose enty ear of the following answers No. No. I have not inset it Subtask 7: Compute the average intensity avgintensity as resultant property for each JITAI class by defining a SHACL rule at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. 9 Choose one of the following answers Filese choose enty ear of the following: Wes No. I have not tied it Native a comment on your choice here: Subtask 8: Detect conflicts between minintensity and maxintensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. 9 Choose one of the following answers Flore of the following answers 10 July as solve this subtask successfully? If "Yes", please provide your solution as comment. 9 Choose one of the following answers 10 July as solve this subtask successfully? If "Yes", please provide your solution as comment. 10 Choose one of the following answers 11 July as the following answers 12 July as the following answers 13 July as the following answers 14 July as the following answers 15 July as the following answers 16 July as the following answers 17 July as the following answers 18 July as the f	Subtask 6: Add SHACL rules for transforming a JITAI class' value for minIntensity and maxIntensity into property shapes with sh:minInclusive and sh:maxInclusive.
Obtobes one of the following answers Please discose only one of the following: 'We' No	Did you solve this subtask successfully?
Phese choice only one of the following Was	If "Yes", please provide your solution as comment.
Ves No No No No No No No N	Choose one of the following answers Place choose pulk one of the following:
No.	
Subtask 7: Compute the average intensity avgIntensity as resultant property for each JITAI class by defining a SHACL rule at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. **Oncose one of the following answers **Please droves only one of the following: **The New Provide of the following answers **Please droves only one of the following answers **Please droves only one of the following: **Provide one of the following answers **Please droves only one of the following: **Provide one of the following answers **Please droves one of the following answers **Please droves one of the following answers **Please a comment on your choice here. **Provide one of the following answers	○ No
Subtask 7: Compute the average intensity avgIntensity as resultant property for each JITAI class by defining a SHACL rule at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. Offices one of the following answers Please choose only one of the following: Yes	○ I have not tried it
appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. ** ** ** ** ** ** ** ** **	Make a comment on your choice here:
appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. ** ** ** ** ** ** ** ** **	
appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. ** ** ** ** ** ** ** ** **	
appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. ** ** ** ** ** ** ** ** **	
appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. ** ** ** ** ** ** ** ** **	
If "Yes", please provide your solution as comment. Choose one of the following answers Please choose only one of the following: Yes No I have not tried it Make a comment on your choice here: Subtask 8: Detect conflicts between minIntensity and maxIntensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	Subtask 7: Compute the average intensity avgIntensity as resultant property for each JITAI class by defining a SHACL rule at the appropriate meta class.
© Choose one of the following answers Please choose only one of the following: Yes No I have not tried it Make a comment on your choice here: Subtask 8: Detect conflicts between minIntensity and maxIntensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment.* © Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	Did you solve this subtask successfully?
Please choose only one of the following: Yes	If "Yes", please provide your solution as comment.
Yes No I have not tried it Make a comment on your choice here: Subtask 8: Detect conflicts between minIntensity and maxIntensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * O Choose one of the following answers Please choose one of the following answers Please choose one of the following one of the following: Yes No I have not tried it	Choose one of the following answers
No	Please choose only one of the following:
Subtask 8: Detect conflicts between minIntensity and maxIntensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * O Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	○ Yes
Subtask 8: Detect conflicts between minIntensity and maxIntensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * O Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	
Subtask 8: Detect conflicts between minIntensity and maxIntensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * Ochoose one of the following answers Please choose only one of the following: Yes No I have not tried it	
constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	
constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	
constraints at the appropriate meta class. Did you solve this subtask successfully? If "Yes", please provide your solution as comment. * Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	
If "Yes", please provide your solution as comment. * Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	Subtask 8: Detect conflicts between minIntensity and maxIntensity within the class hierarchy using SHACL SPARQL-based constraints at the appropriate meta class. Did you solve this subtask successfully?
O Choose one of the following answers Please choose only one of the following: Yes No I have not tried it	
Please choose only one of the following: Yes No I have not tried it	
No I have not tried it	Please choose only one of the following:
I have not tried it	○ Yes
	○ No
THE CONTRIBUTE OF YOUR SHOWN HOLE.	
	make a comment on your critice fiere.

Usability Metric for User Experience

4 von 5 21.07.2022, 07:06

	1 - strongly disagree	2	3	4	5	6	7 - strongly
The DDO-Playground capabilities meet my requirements.	0	0	0	0	0	0	0
Ising the DDO-Playground is a frustrating xperience.	0	0	0	0	0	0	0
he DDO-Playground is easy to use.	0	0	0	0	0	0	0
have to spend too much time correcting things with ne DDO-Playground.	0	0	0	0	0	0	0
			part is not compuls	ory, but please do no	t forget to submit th	e questionnaire. T	hank you very mi
ease write your answer here: What was not so good?			part is not compuls	ory, but please do no	t forget to submit th	e questionnaire. T	hank you very mu
Vhat was good? ease write your answer here: Vhat was not so good? ease write your answer here:			part is not compuls	ory, but please do no	t forget to submit th	e questionnaire. T	hank you very mu
/hat was not so good? ease write your answer here: //hat was not so good? ease write your answer here: //hat could we have done better?			part is not compuls	ory, but please do no	t forget to submit th	e questionnaire. T	hank you very mu
ease write your answer here: What was not so good?			part is not compuls	ory, but please do no	t forget to submit th	e questionnaire. T	hank you very mu

23.06.2022 - 15:55

Submit your survey.
Thank you for completing this survey.

5 von 5 21.07.2022, 07:06