Study 2: Prioritizing the pain points

Results of the Prioritization Sessions (Beginners)				
Pain Point	**Average**	**P1_B1**	**P2_B2**	**P3_B3**
I could not properly define the model requirements because, *e.g., my stakeholders did not know exactly what they needed or the domain was unfamiliar to me.*	5,7	6	5	6
My stakeholders resisted adopting modeling, a modeling language, or a tool because, *e.g., they did not think it was worth it or I could not show its value.*	5,3	4	6	6
It was costly to negotiate a common definition among the experts about a concept of the project's domain of interest.	5,3	5	5	6
It was costly to define the model requirements because, *e.g., there were too many stakeholders.*	5,0	5	4	6
I had difficulty explaining my model to my stakeholders/domain experts.	5,0	5	6	4
It was costly to generate verbalizations of my model suitable for the different audiences that should be able to read and use it.	4,7	5	4	5
Writing definitions for the elements in my model was hard and boring.	4,7	4	4	6
It was costly to manually split the model into visually appealing and understandable views (diagrams).	4,7	5	6	3
The model has become too complex and too costly to maintain because, *e.g., the tool did not support documentation or there were too many elements.*	4,0	3	5	4
I was not sure how to document my model.	4,0	4	3	5
It was costly* to define the model-driven approach because, *e.g., my company did not have a modeling culture or I was not knowledgeable enough.*	3,7	4	5	2
My colleagues did not consider it important to document the model and did not understand my efforts to do so.	3,7	5	3	3
I wanted to reuse an existing model, but I had to redraw it from scratch.	3,3	3	4	3
I could not choose the modeling tool I wanted because of, *e.g., cost, expertise, culture, or bureaucracy.*	3,3	4	4	2
I felt like I was repeating myself when manually creating my database schema (or OWL vocabulary).	3,3	4	4	2
The tool I chose did not support model verification. My model was large and complex and verifying it by myself was not trivial.	3,0	3	4	2
I was the only one on the team interested in using and reusing the model.	3,0	5	2	2
I was the only one on the team with experience in modeling. So I did everything myself. I wish I had had someone to discuss the challenges.	3,0	4	3	2
I could not make one of my diagrams look good.	3,0	5	2	2

Results of the Prioritization Sessions (Experts)				
Pain Point	**Total**	**P4_E1**	**P5_E2**	**P6_E3**
I wanted to reuse an existing model, but I had to redraw it from scratch.	5,3	5	6	5
I could not choose the modeling tool I wanted because of, *e.g., cost, expertise, culture, or bureaucracy.*	5,0	4	6	5
I could not properly define the model requirements because, *e.g., my stakeholders did not know exactly what they needed or the domain was unfamiliar to me.*	4,7	4	6	4
It was costly to define the model requirements because, *e.g., there were too many stakeholders.*	4,7	6	6	2
It was costly to generate verbalizations of my model suitable for the different audiences that should be able to read and use it.	4,7	6	5	3
The model has become too complex and too costly to maintain because, *e.g., the tool did not support documentation or there were too many elements.*	4,7	5	5	4
The tool I chose did not support model verification. My model was large and complex and verifying it by myself was not trivial.	4,7	4	5	5
My stakeholders resisted adopting modeling, a modeling language, or a tool because, *e.g., they did not think it was worth it or I could not show its value.*	4,3	2	5	6
It was costly to negotiate a common definition among the experts about a concept of the project's domain of interest.	4,3	4	5	4
My colleagues did not consider it important to document the model and did not understand my efforts to do so.	4,3	3	4	6
I had difficulty explaining my model to my stakeholders/domain experts.	4,0	6	2	4
Writing definitions for the elements in my model was hard and boring.	4,0	5	3	4
I was the only one on the team interested in using and reusing the model.	4,0	3	5	4
I was the only one on the team with experience in modeling. So I did everything myself. I wish I had had someone to discuss the challenges.	3,7	3	5	3
It was costly to manually split the model into visually appealing and understandable views (diagrams).	3,3	5	3	2
It was costly* to define the model-driven approach because, *e.g., my company did not have a modeling culture or I was not knowledgeable enough.*	3,3	2	4	4
I felt like I was repeating myself when manually creating my database schema (or OWL vocabulary).	3,3	3	2	5
I was not sure how to document my model.	2,7	4	2	2
I could not make one of my diagrams look good.	2,7	3	3	2

Results of the Prioritization Sessions (Beginners and Experts)							
Pain Point	Mean	P1_B1	P2_B2	P3_B3	P4_E1	P5_E2	P6_E3
I could not properly define the model requirements because, *e.g., my stakeholders did not know exactly what they needed or the domain was unfamiliar to me.*	5,2	6	5	6	4	6	4
My stakeholders resisted adopting modeling, a modeling language, or a tool because, *e.g., they did not think it was worth it or I could not show its value.*	4,8	4	6	6	2	5	6
It was costly to define the model requirements because, *e.g., there were too many stakeholders.*	4,8	5	4	6	6	6	2
It was costly to negotiate a common definition among the experts about a concept of the project's domain of interest.	4,8	5	5	6	4	5	4
It was costly to generate verbalizations of my model suitable for the different audiences that should be able to read and use it.	4,7	5	4	5	6	5	3
I had difficulty explaining my model to my stakeholders/domain experts.	4,5	5	6	4	6	2	4
Writing definitions for the elements in my model was hard and boring.	4,3	4	4	6	5	3	4
The model has become too complex and too costly to maintain because, *e.g., the tool did not support documentation or there were too many elements.*	4,3	3	5	4	5	5	4
I wanted to reuse an existing model, but I had to redraw it from scratch.	4,3	3	4	3	5	6	5
I could not choose the modeling tool I wanted because of, *e.g., cost, expertise, culture, or bureaucracy.*	4,2	4	4	2	4	6	5
It was costly to manually split the model into visually appealing and understandable views (diagrams).	4,0	5	6	3	5	3	2
My colleagues did not consider it important to document the model and did not understand my efforts to do so.	4,0	5	3	3	3	4	6
The tool I chose did not support model verification. My model was large and complex and verifying it by myself was not trivial.	3,8	3	4	2	4	5	5
It was costly* to define the model-driven approach because, *e.g., my company did not have a modeling culture or I was not knowledgeable enough.*	3,5	4	5	2	2	4	4
I was the only one on the team interested in using and reusing the model.	3,5	5	2	2	3	5	4
I was not sure how to document my model.	3,3	4	3	5	4	2	2
I was the only one on the team with experience in modeling. So I did everything myself. I wish I had had someone to discuss the challenges.	3,3	4	3	2	3	5	3
I felt like I was repeating myself when manually creating my database schema (or OWL vocabulary).	3,3	4	4	2	3	2	5
I could not make one of my diagrams look good.	2,8	5	2	2	3	3	2