

Supplementary File S1

Content Validation Worksheet for 1st Version of KMM-ST Survey

Sub-construct 1, Factor 1: Modeling Practices

Item Number	Relevance Provide numerical value 1-4 (see instructions document)	Comments/Feedback
1		
2		
3		
4		
5		

Sub-construct 1, Factor 2: Metamodeling Knowledge

Item Number	Relevance Provide numerical value 1-4 (see instructions document)	Comments/Feedback
1		
2		
3		
4		
5		
6		
7		
8		
9		

Sub-construct 2, Factor 1: Investigation

Item Number	Relevance Provide numerical value 1-4 (see instructions document)	Comments/Feedback
1		

2		
3		
4		
5		

Sub-construct 2, Factor 2: Sensemaking

Item Number	Relevance Provide numerical value 1-4 (see instructions document)	Comments/Feedback
1		
2		
3		
4		

Sub-construct 2, Factor 3: Evaluating and Communicating

Item Number	Relevance Provide numerical value 1-4 (see instructions document)	Comments/Feedback
1		
2		
3		
4		
5		