Analysis

Specification design: All participants

	Duration-P1 (in min)	Duration-P2 (in min)	Duration-P3 (in min)	Coverage (0-1)	Accuracy (0-1)
Mean-NoReST	30.625	15.625	16.6875	0.651852	0.67
Mean-Control	23.75	14.875	19.625	0.618056	0.623264
Var- NoReST	96.359375	31.484375	41.71484375	0.05904	0.058242
Var-Control	61.4375	28.359375	17.359375	0.021557	0.024688
Stdev- NoReST	9.816281119	5.611093922	6.458702946	0.242981	0.241334
Stdev- Control	8.132126898	5.218412969	4.253229996	0.16842	0.176334
Ttest-2tail	0.042838717	0.709945761	0.150999373	0.657368	0.54546
Ttest-1tail	0.021419358	0.354972881	0.075499687	0.328684	0.27273

Specification design: Participants with no knowledge of norms

	Duration-P1 (in min)	Duration-P2 (in min)	Duration-P3 (in min)	Coverage (0-1)	Accuracy (0-1)
Mean-NoReST	36	15.5	15.5	0.75	0.784722
Mean-Control	25.33333	18	18.83333	0.611111	0.578704
Var- NoReST	11.5	22.25	3.25	0.01466	0.008247
Var-Control	74.88889	14.33333	5.138889	0.011317	0.017082
Stdev- NoReST	3.391165	4.716991	1.802776	0.121081	0.09081
Stdev- Control	8.653837	3.785939	2.266912	0.106381	0.1307
Ttest-2tail	0.042986	0.469035	0.053511	0.154279	0.031026
Ttest-1tail	0.021493	0.234518	0.026755	0.07714	0.015513

Specification design: Participants with no industry experience with modeling

	Duration-P1 (in min)	Duration-P2 (in min)	Duration-P3 (in min)	Coverage (0-1)	Accuracy (0-1)
Mean-NoReST	35.2	12.8	18.4	0.755556	0.794444
Mean-Control	18.4	11.6	18.4	0.555556	0.572222
Var- NoReST	19.76	3.76	84.24	0.01679	0.010679
Var-Control	5.84	8.24	18.64	0.024691	0.023951
Stdev- NoReST	4.445222	1.939072	9.178235	0.129577	0.103339
Stdev- Control	2.416609	2.87054	4.317407	0.157135	0.15476
Ttest-2tail	0.0005	0.51068	1	0.086445	0.04841

Ttest-1tail	0.00025	0.25534	0.5	0.043222	0.024205

Post Survey

NoReST

	How easy was the problem domain to understand? [To learn] *	How easy was the approach? [Learn] *	How easy was the approach? [Design] *	How easy was the approach? [Maintenance] *	How easy were the scenarios? [Scenario A] *	How easy were the scenarios? [Scenario B] *	How easy were the scenarios? [Scenario C] *	To what extent the patterns helped you in refinement? #	To what extent a refinement tool listing all possible applications of the patterns would have helped you? ##
Mean	2.6	2.4	2.8	2.6	2.266667	2.4	3.333333	4.4	4.266667
Median	3	2	3	3	2	2	4	4	4

Control

	How easy was the problem domain to understand? [To learn] *	How easy was the approach? [Learn] *	How easy was the approach? [Design] *	How easy was the approach? [Maintenance] *	How easy were the scenarios? [Scenario A] *	How easy were the scenarios? [Scenario B] *	How easy were the scenarios? [Scenario C] *	To what extent the more guidance on patterns would have helped in refinement? ##
Mean	2.6	2.266667	2.6	2.8	2	2.466667	3.133333	3.866667
Median	3	2	3	3	2	2	3	4

(1: Very easy, 2: Easy, 3: Medium, 4: Difficult, 5: Very difficult)
 # (1: Didn't help me at all, 5: Helped a lot)
(1: No help at all, 5: Would have helped a lot)