

Figure 1. Procedure of the experiment. The layout configurations were counter-balanced across participants.

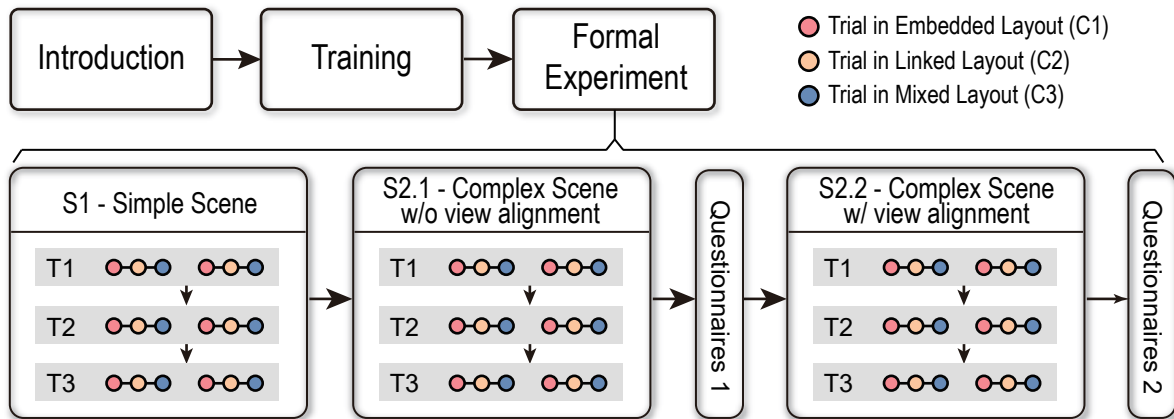


Table 1. Significance test results for **Hypothesis 1**

Task	Embedded vs. Linked vs. Mixed	Pairwise Comparisons		
		Comparison	Z	p
Filtering + Situatdness	$\chi^2(2) = 8.979, p = 0.011$	Embedded vs. Linked	-2.180	0.029
		Embedded vs. Mixed	-1.336	0.181
		Linked vs. Mixed	-2.830	0.005
Refocusing + Situatdness	$\chi^2(2) = 11.787, p = 0.003$	Embedded vs. Linked	-2.805	0.005
		Embedded vs. Mixed	-0.314	0.754
		Linked vs. Mixed	-2.824	0.005
Connecting + Situatdness	$\chi^2(2) = 17.167, p < 0.001$	Embedded vs. Linked	-2.119	0.034
		Embedded vs. Mixed	-2.984	0.003
		Linked vs. Mixed	-3.059	0.002

Table 2. Significance test results for **Hypothesis 2**

Task	Scene	Embedded vs. Linked vs. Mixed	Pairwise Comparisons		
			Comparison	Z	p
Filtering + Situatdness (Analytics)	Simple	$\chi^2(2) = .409, p = 0.815$	Embedded vs. Linked	-1.035	0.300
			Embedded vs. Mixed	-0.358	0.720
			Linked vs. Mixed	-0.299	0.765
	Complex	$\chi^2(2) = 6.048, p = 0.049$	Embedded vs. Linked	-1.774	0.076
			Embedded vs. Mixed	-1.542	0.123
			Linked vs. Mixed	-0.677	0.498
Refocusing + Situatdness (Analytics)	Simple	$\chi^2(2) = 18.500, p < 0.001$	Embedded vs. Linked	-3.062	0.002
			Embedded vs. Mixed	-2.555	0.011
			Linked vs. Mixed	-2.988	0.003
	Complex	$\chi^2(2) = 15.500, p < 0.001$	Embedded vs. Linked	-2.988	0.003
			Embedded vs. Mixed	-1.453	0.146
			Linked vs. Mixed	-3.065	0.002
Task	Scene	Embedded vs. Linked vs. Mixed	Pairwise Comparisons		
			Comparison	Z	p
Filtering + Situatdness (Situatdness)	Simple	$\chi^2(2) = 15.744, p < 0.001$	Embedded vs. Linked	-2.952	0.003
			Embedded vs. Mixed	-2.379	0.017
			Linked vs. Mixed	-2.311	0.021
	Complex	$\chi^2(1) = 12.000, p < 0.001$	Embedded vs. Linked	-3.075	0.002
			Embedded vs. Mixed	-1.000	0.317
			Linked vs. Mixed	-3.075	0.002
Refocusing + Situatdness (Situatdness)	Simple	$\chi^2(2) = 13.351, p = 0.001$	Embedded vs. Linked	-2.687	0.007
			Embedded vs. Mixed	-2.714	0.007
			Linked vs. Mixed	-1.736	0.083
	Complex	$\chi^2(1) = 8.333, p = 0.004$	Embedded vs. Linked	-3.095	0.002
			Embedded vs. Mixed	-2.060	0.039
			Linked vs. Mixed	-2.924	0.003

Table 3. Significance test results for **Hypothesis 3**

<b>Task</b>	<b>Task Type</b>	<b>Z</b>	<b>p</b>
Filtering +	Analytics	-0.356	0.722
Situatedness	Situatedness	-1.000	0.317
Refocusing +	Analytics	-0.118	0.906
Situatedness	Situatedness	-2.236	0.025
Connecting +	Overall	-1.471	0.141
Situatedness			

C1 with alignment vs. without alignment

<b>Task</b>	<b>Task Type</b>	<b>Z</b>	<b>p</b>
Filtering +	Analytics	-1.703	0.089
Situatedness	Situatedness	-1.832	0.067
Refocusing +	Analytics	-2.787	0.005
Situatedness	Situatedness	-2.944	0.003
Connecting +	Overall	-1.786	0.074
Situatedness			

C2 with alignment vs. without alignment

<b>Task</b>	<b>Task Type</b>	<b>Z</b>	<b>p</b>
Filtering +	Analytics	-2.326	0.020
Situatedness	Situatedness	-1.000	0.317
Refocusing +	Analytics	-2.483	0.013
Situatedness	Situatedness	-0.513	0.608
Connecting +	Overall	-0.402	0.687
Situatedness			

C3 with alignment vs. without alignment

Table 4. Accuracy

Task	Scene	Layout	Accuracy	
			Question1	Question2
Filtering + Situatdness	Simple	Embedded	100%	100%
		Linked	100%	100%
		Mixed	100%	100%
	Complex	Embedded	100%	100%
		Linked	100%	100%
		Mixed	100%	100%
	Complex with Alignment	Embedded	100%	100%
		Linked	100%	100%
		Mixed	100%	100%
Refocusing + Situatdness	Simple	Embedded	100%	100%
		Linked	100%	100%
		Mixed	<u>96%</u>	100%
	Complex	Embedded	100%	100%
		Linked	100%	100%
		Mixed	100%	100%
	Complex with Alignment	Embedded	100%	100%
		Linked	100%	<u>96%</u>
		Mixed	100%	100%
Connecting + Situatdness	Simple	Embedded	100%	100%
		Linked	<u>96%</u>	100%
		Mixed	100%	100%
	Complex	Embedded	100%	<u>96%</u>
		Linked	100%	100%
		Mixed	100%	100%
	Complex with Alignment	Embedded	100%	100%
		Linked	100%	100%
		Mixed	100%	100%