Supplementary Tables: Cognitive Load and Moral Dumbfounding

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Abstract

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Supplementary Tables: Cognitive Load and Moral Dumbfounding

Supplementary Tables

Below are additional tables:

Table 1

Study 1 – Changes in Jugment

Initial Judgment	Revised Judgment	Total Changed
neutral	right	1
neutral	wrong	3
wrong	neutral	7
wrong	right	1

Table 2

Study 1 – Response to the critical slide depending on cognitive load

	Cognitive Load		Control	
	N	%	N	%
It's wrong and I can provide a valid reason.	12	36%	21	64%
It's wrong but I can't think of a reason.	6	18%	7	21%
There is nothing wrong.	15	45%	5	15%

Table 3

Study 2 – Changes in Jugment

Initial Judgment	Revised Judgment	Total Changed
neutral	right	2
right	neutral	1
wrong	neutral	6
wrong	right	1

Table 4

Study 2 – Response to the critical slide depending on cognitive load/engagement

		Cognitive Load		Control	
Measure	Response	N	%	N	%
Manipulation Only	Reasons	25	49%	25	51%
	Dumbfounded	15	29%	11	22%
	Nothing Wrong	11	22%	13	27%
Engagement	Reasons	23	41%	27	61%
	Dumbfounded	20	36%	6	14%
	Nothing Wrong	13	23%	11	25%

Table 5

Study 3 – Changes in Jugment

Initial Judgment	Revised Judgment	Total Changed
neutral	right	2
neutral	wrong	2
right	neutral	4
right	wrong	1
wrong	neutral	2
wrong	right	2

Table 6

Study 3 – Response to the critical slide depending on cognitive load/engagement

	Cognitive Load		Control	
	N	%	N	%
It's wrong and I can provide a valid reason.	36	53%	41	67%
It's wrong but I can't think of a reason.	17	25%	5	8%
There is nothing wrong.	15	22%	15	25%

Table 7

Study 4 – Changes in Jugment

Initial Judgment	Revised Judgment	Total Changed
neutral	right	4
right	neutral	1
right	wrong	1
wrong	neutral	6
wrong	right	1

Table 8

Study 4 – Response to the critical slide depending on cognitive load/engagement

	Cognitive Load		Control	
	N	%	N	%
It's wrong and I can provide a valid reason.	35	55%	41	65%
It's wrong but I can't think of a reason.	10	16%	10	16%
There is nothing wrong.	19	30%	12	19%

Table 9

Study 5 – Changes in Jugment

Initial Judgment	Revised Judgment	Total Changed
neutral	right	1
right	neutral	2
right	wrong	1
wrong	neutral	6
wrong	right	1

Table 10

Study 5 – Response to the critical slide depending on cognitive load/engagement

	Cognitive Load		Control	
	N	%	N	%
It's wrong and I can provide a valid reason.	51	52%	68	64%
It's wrong but I can't think of a reason.	25	26%	20	19%
There is nothing wrong.	22	22%	18	17%

Table 11

Study 6 – Changes in Jugment (full sample)

Initial Judgment	Revised Judgment	Total Changed
neutral	right	8
neutral	wrong	19
right	neutral	10
right	wrong	61
wrong	neutral	29
wrong	right	73

Table 12

Study 6 – Changes in Jugment for each Scenario

Scenario	Initial Judgment	Revised Judgment	Total Changed
Julie and Mark	neutral	right	1
	neutral	wrong	4
	right	wrong	6
	wrong	neutral	9
	wrong	right	8
Jennifer	neutral	right	1
	neutral	wrong	3
	right	neutral	2
	right	wrong	10
	wrong	neutral	2
	wrong	right	11
Trolley	neutral	right	4
	neutral	wrong	7
	right	neutral	4
	right	wrong	18
	wrong	neutral	14
	wrong	right	26
Heinz	neutral	right	2
	neutral	wrong	5
	right	neutral	4
	right	wrong	27
	wrong	neutral	4
	wrong	right	28

Table 13

Study 6 – Response to the critical slide depending on cognitive load (full sample)

	Cognitive Load		Control	
	N	%	N	%
It's wrong and I can provide a valid reason.	113	56%	143	67%
It's wrong but I can't think of a reason.	55	27%	36	17%
There is nothing wrong.	35	17%	36	17%

Table 14

Study 6 – Response to the critical slide depending on cognitive load, for each scenario

		Cognitive Load		Control	
Scenario	Response	N	%	N	%
Julie and Mark	Reasons	106	54%	123	57%
	Dumbfounded	51	26%	51	24%
	Nothing Wrong	40	20%	41	19%
Jennifer	Reasons	142	65%	173	81%
	Dumbfounded	67	31%	30	14%
	Nothing Wrong	9	4%	11	5%
Trolley	Reasons	97	47%	135	62%
	Dumbfounded	72	35%	55	25%
	Nothing Wrong	39	19%	26	12%
Heinz	Reasons	113	56%	143	67%
	Dumbfounded	55	27%	36	17%
	Nothing Wrong	35	17%	36	17%

Table 15

Study 6 – Observed counts, expected counts, and standardised residuals for each response to the critical slide depending on cognitive load (Julie and Mark)

		Cognitive Load	Control
Observed count	Reasons	106	123
	Dumbfounded	51	51
	Nothing Wrong	40	41
Expected count	Reasons	109.5	119.5
	Dumbfounded	48.77	53.23
	Nothing Wrong	38.73	42.27
Standardised residuals	Reasons	-0.69	0.69
	Dumbfounded	0.51	-0.51
	Nothing Wrong	0.32	-0.32

Note. * = sig. at $p < .05$; ** = sig. at $p < .001$

Table 16

Study 6 – Observed counts, expected counts, and standardised residuals for each response to the critical slide depending on cognitive load (Jennifer)

		Cognitive Load	Control
Observed count	Reasons	142	173
	Dumbfounded	67	30
	Nothing Wrong	9	11
Expected count	Reasons	158.96	156.04
	Dumbfounded	48.95	48.05
	Nothing Wrong	10.09	9.91
Standardised residuals	Reasons	-3.67**	3.67**
	Dumbfounded	4.16**	-4.16**
	Nothing Wrong	-0.5	0.5

Note. * = sig. at $p < .05$; ** = sig. at $p < .001$

Table 17

Study 6 – Observed counts, expected counts, and standardised residuals for each response to the critical slide depending on cognitive load (Trolley)

		Cognitive Load	Control
Observed count	Reasons	97	135
	Dumbfounded	72	55
	Nothing Wrong	39	26
Expected count	Reasons	113.81	118.19
	Dumbfounded	62.3	64.7
	Nothing Wrong	31.89	33.11
Standardised residuals	Reasons	-3.28*	3.28*
	Dumbfounded	2.06*	-2.06*
	Nothing Wrong	1.92	-1.92

Note. * = sig. at $p < .05$; ** = sig. at $p < .001$

Table 18

Study 6 – Observed counts, expected counts, and standardised residuals for each response to the critical slide depending on cognitive load (Heinz)

		Cognitive Load	Control
Observed count	Reasons	113	143
	Dumbfounded	55	36
	Nothing Wrong	35	36
Expected count	Reasons	124.33	131.67
	Dumbfounded	44.19	46.81
	Nothing Wrong	34.48	36.52
Standardised residuals	Reasons	-2.27*	2.27*
	Dumbfounded	2.56*	-2.56*
	Nothing Wrong	0.14	-0.14

Note. * = sig. at $p < .05$; ** = sig. at $p < .001$