

Appendix 3.4 – Test-Retest reliability results of the current study and of other task-switching paradigms

Appendix Table 3-4 Test-Retest reliability results of the current study and of other task-switching paradigms

Author/ Year	Test	Performance Measure	Reliability Measure	Reliability Score
Single Task				
Current Article	Category Switch Task	RT	R^2	0.86
			$ICC_{(2,1)}$	0.84
			R^2	0.57
		Accuracy	$ICC_{(2,1)}$	0.52
		Segal, Prior and Gollan, 2021	Linguistic task-switching	
	Colour-Shape task-switching	RT	R^2	0.87
Paap and Sawi, 2016	Colour-Shape task-switching	RT	R^2	0.78
Soveri et al., 2018	Number-letter task-switching	RT	R^2	0.43
			$ICC_{(2,1)}$	0.38
Switch Costs				
Current Article	Category Switch Task	RT	R^2	0.6
			$ICC_{(2,1)}$	0.6
			R^2	0.08
		Accuracy	$ICC_{(2,1)}$	0
		Segal, Prior and Gollan, 2021	Linguistic task-switching	
	Colour-Shape task-switching	RT	R^2	0.4
Paap and Sawi, 2016	Colour-Shape task-switching	RT	R^2	0.62
Soveri et al., 2018	Number-letter task-switching	RT	R^2	0.68

			ICC _(2,1)	0.63
			R ²	0.74
RT (one blocks)			ICC _(2,1)	0.66 - 0.69
			R ²	0.81 - 0.88
RT (both blocks)			ICC _(2,1)	0.78 - 0.82
			R ²	0.39 - 0.5
Accuracy (one blocks)			ICC _(2,1)	0.39 - 0.45
			R ²	0.66 - 0.7
Eckhart, Kraft and Fiebach, 2021	Affective task-switching paradigm	Accuracy (both blocks)	ICC _(2,1)	0.62 - 0.68
Mixing Costs				
			R ²	0.66
RT			ICC _(2,1)	0.58
			R ²	0.1
Current Article	Category Switch Task	Accuracy	ICC _(2,1)	0
Segal, Prior and Gollan, 2021	Linguistic task-switching			0.67
	Colour-Shape task-switching	RT	R ²	0.51
Paap and Sawi, 2016	Colour-Shape task-switching	RT	R ²	0.75
			R ²	0.65
Soveri et al., 2018	Number-letter task-switching	RT	ICC _(2,1)	0.46