

Appendix 3.5 – Test-retest reliability for individual interval groups

The following is test-retest reliability results presented separately for each *interval group*. N = 16 for each group.

Appendix Table 3-5A Same day test-retest

Outcome Variable	Pearson's <i>r</i>	ICC (2, 1)
<i>SINGLE TASK</i>		
<i>RT (ms)</i>	0.83*** (high)	0.80*** (good)
<i>Accuracy (% correct)</i>	0.73** (adequate)	0.66*** (moderate)
<i>SWITCH COSTS</i>		
<i>RT (Δ ms)</i>	0.69** (marginal)	0.69** (moderate)
<i>Accuracy (Δ % correct)</i>	-0.23 (low)	0.00 (poor)
<i>MIXING COSTS</i>		
<i>RT (Δ ms)</i>	0.66** (marginal)	0.63** (moderate)
<i>Accuracy (Δ % correct)</i>	-0.08 (low)	0.00 (poor)
*** <i>p</i> < 0.001, ** <i>p</i> < 0.01, * <i>p</i> < 0.05		

Appendix Table 3-5B Next day test-retest

Outcome Variable	Pearson's <i>r</i>	ICC (2, 1)
<i>SINGLE TASK</i>		
<i>RT (ms)</i>	0.92*** (very high)	0.88*** (good)
<i>Accuracy (% correct)</i>	0.28 (low)	0.15 (poor)
<i>SWITCH COSTS</i>		

<i>RT</i> (Δ ms)	0.70** (adequate)	0.66** (moderate)
<i>Accuracy</i> (Δ % correct)	0.14 (low)	0.14 (poor)

MIXING COSTS

<i>RT</i> (Δ ms)	0.85*** (high)	0.83*** (moderate)
<i>Accuracy</i> (Δ % correct)	-0.27 (low)	0.00 (poor)

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$

Appendix Table 3-5C Next week test-retest

Outcome Variable	Pearson's r	ICC (2, 1)
<i>SINGLE TASK</i>		
<i>RT</i> (ms)	0.82*** (high)	0.82*** (good)
<i>Accuracy</i> (% correct)	0.58* (low)	0.60** (moderate)
<i>SWITCH COSTS</i>		
<i>RT</i> (Δ ms)	0.45 (low)	0.47* (poor)
<i>Accuracy</i> (Δ % correct)	0.26 (low)	0.17 (poor)
<i>MIXING COSTS</i>		
<i>RT</i> (Δ ms)	0.62* (marginal)	0.45* (poor)
<i>Accuracy</i> (Δ % correct)	0.11 (low)	0.08 (poor)

*** $p < 0.001$, ** $p < 0.01$, * $p < 0.05$