Supplementary material

Supplementary material

Appendix

Table A1

Fixed effects summary of the models fitted for the reaction-time data of Experiment 1 and Experiment 2. Shown are the estimated effects for Adjacency (levels: adjacent, nonadjacent), Dependency (levels: dependency, baseline), Block (levels: 1-7), and all by-Block 2-way interactions with Dependency and Adjacency. Effects summarised as the most probable parameter value $\hat{\mu}$ with 95% HPDIs are shown in msecs.

	Experiment 1: Adults			Experiment 2: Children		
Predictor	$\hat{\mu}$	95% HPDI	$P(\hat{\mu} < 0)$	$\hat{\mu}$	95% HPDI	$P(\hat{\mu} < 0)$
Main effects						
Dependency	-101	[-181, -19]	.992	76	[-65, 211]	.148
Adjacency	-43	[-83, -10]	.989	-4	[-84, 77]	.548
Block 1-2	147	[122, 167]	<.001	140	[109, 170]	<.001
Block 2-3	32	[18, 49]	<.001	29	[3, 55]	.015
Block 3-4	33	[18, 50]	<.001	-38	[-61, -12]	.998
Block 4-5	9	[-7, 25]	.151	21	[-5, 47]	.057
Block 5-6	9	[-7, 23]	.168	2	[-23, 31]	.369
Block 6-7	-27	[-46, -4]	.991	-53	[-86, -21]	.998
Interactions						
Dependency × Block 1-2	47	[32, 62]	<.001	48	[23, 72]	<.001
Adjacency × Block 1-2	0	[-16, 14]	.547	-16	[-40, 9]	.89
Dependency × Block 2-3	3	[-14, 18]	.416	3	[-25, 30]	.406
Adjacency × Block 2-3	-6	[-21, 8]	.799	6	[-18, 30]	.323
Dependency × Block 3-4	0	[-18, 15]	.548	-10	[-40, 14]	.807
Adjacency × Block 3-4	9	[-4, 23]	.094	4	[-21, 24]	.453
Dependency × Block 4-5	-1	[-17, 15]	.564	17	[-11, 46]	.102
Adjacency × Block 4-5	-15	[-28, -2]	.984	3	[-18, 26]	.37

Table A1 continued

	Experiment 1: Adults			Experiment 2: Children		
Predictor	$\hat{\mu}$	95% HPDI	$P(\hat{\mu} < 0)$	$\hat{\mu}$	95% HPDI	$P(\hat{\mu} < 0)$
Dependency × Block 5-6	1	[-16, 17]	.444	-3	[-33, 23]	.656
Adjacency × Block 5-6	10	[-2, 24]	.052	-4	[-26, 19]	.641
Dependency × Block 6-7	-22	[-47, 4]	.954	-22	[-55, 21]	.836
Adjacency × Block 6-7	0	[-15, 20]	.423	-1	[-26, 30]	.464

Note. $\hat{\mu}$ indicates the most probable *a posteriori* parameter value. 95% HPDI is the range containing 95% of the posterior probability mass. $P(\hat{\mu} < 0)$ is the posterior probability that the true parameter value is smaller than 0. '×' indicates interactions.