

Appendix B in Christensen, Marie Herget, Line Burholt Kristensen, Nicoline Munck Vinther and Kasper Boye (to appear) Grammar is background in sentence processing. *Language and Cognition*.

Appendix B

Table B.1. Mixed model analysis for missed letters in the letter detection task of Exp. 1. A positive estimate indicates that more letters were missed. Significant effects are marked in the right-most column with 1 asterix (*) for $p < .05$, 2 asterices (**) for $p < .01$ and 3 asterices (***) for $p < .001$.

Random effects						
Groups	Name	Variance	Standard deviation			
Subject	<i>(intercept)</i>	0.8026	0.8959			
Item	<i>(intercept)</i>	0.7248	0.8513			
Total observations: 1344, 84 subjects and 16 items						
Fixed effects						
	Estimate	Standard error	z-value	Pr(> z)	CI	
(Intercept)	-2.326	0.5419	-4.294	1.76e-05 ***	-3.44, -1.28	
Word category (lexical)	-0.3853	0.1995	-1.931	0.05348	-.78, .01	
Focus (no focus)	0.2542	0.1777	1.431	0.15255	-.1, .6	
Log. frequency	0.1439	0.0414	3.475	0.00051 ***	.06, .23	
Interaction: Focus and Word category	-0.5334	0.2685	-1.987	0.04696 *	-1.07, -.002	

Table B.2. mixed model for change detection in Exp. 2, i.e. whether the change was detected.

Significant effects are marked in the right-most column with 3 asterices (***) for $p < .001$.

Random effects					
Groups	Name	Variance	Standard deviation		
Subject	<i>(intercept)</i>	0.2540	0.5040		
Item	<i>(intercept)</i>	0.5609	0.7489		

Total observations: 1280, 32 subjects and 10 items

Fixed effects					
	Estimate	Standard error	z-value	Pr(> z)	CI
(Intercept)	0.5671	0.4760	1.191	0.234	-.38, 1.53
Word category (lexical)	0.5671	0.4760	4.320	1.56e-05 ***	.45, 1.2
Focus (+ focus)	0.1064	0.4760	0.612	0.541	-.24, .45
Log. frequency	-0.0140	0.0347	-0.404	0.686	-.08, .05
Interaction: Focus and Word category	-0.1629	0.2598	-0.627	0.531	-.68, .35

Table B.3 Mixed model for Change identification in Exp. 2, i.e. whether the correct word was typed. Significant effects are marked in the right-most column with 3 asterices (***) for $p < .001$.

Random effects					
Groups	Name	Variance	Standard deviation		
Subject	<i>(intercept)</i>	0.6577	0.8110		
Item	<i>(intercept)</i>	0.6454	0.8034		
Total observations: 1280, 32 subjects and 10 items					
Fixed effects					
	Estimate	Standard error	z-value	Pr(> z)	CI
(Intercept)	0.1605	0.4618	0.348	0.728	-.76, 1.08
Word category (lexical)	-0.9094	0.1900	-4.789	1.67e-06 ***	-1.29, .54
Focus (+ focus)	-0.1741	0.1779	-0.979	0.328	-.52, .18
Log. frequency	0.0323	0.0298	1.084	0.278	-.03, .09
Interaction: Focus and Word category	0.2725	0.2534	1.075	0.282	-.23, .77