

Supplemental Material S7

Experiment 2 - Coefficients of the best fitting model for the subgroup of CI users for fixations towards the semantic competitor

Semantic Competitor Fixations ~
Condition · *CVC* · (*linear* + *quadratic* + *cubic* + *quartic*) +
Condition · *d'* · (*linear* + *quadratic* + *cubic* + *quartic*) +
(*linear* + *quadratic* + *cubic* + *quartic* | *participant*)

Fixed Effects				
	Estimate	Std. Error	z value	Pr(> z)
(Intercept)	-2.24	0.13	-17.93	0.00
linear	-8.71	2.90	-3.00	0.00
quadratic	8.14	3.02	2.70	0.01
cubic	-0.16	2.47	-0.07	0.95
quartic	-3.40	1.47	-2.31	0.02
d'	0.11	0.08	1.42	0.16
cond_c	-0.19	0.04	-5.30	0.00
CVC	-0.00	0.01	-0.63	0.53
linear : d'	3.12	1.81	1.73	0.08
quadratic : d'	2.91	1.88	1.55	0.12
cubic : d'	0.52	1.54	0.34	0.74
quartic : d'	-0.41	0.92	-0.45	0.65
linear : cond_c	-4.82	0.65	-7.48	0.00
quadratic : cond_c	1.16	0.71	1.63	0.10
cubic : cond_c	3.35	0.68	4.89	0.00
quartic : cond_c	1.30	0.66	1.97	0.05
d' : cond_c	-0.33	0.02	-14.79	0.00
linear : CVC	-0.18	0.16	-1.12	0.26
quadratic : CVC	-0.02	0.16	-0.13	0.90
cubic : CVC	-0.27	0.13	-2.04	0.04
quartic : CVC	-0.26	0.08	-3.26	0.00
cond_c : CVC	-0.00	0.00	-1.07	0.29
linear : d' : cond_c	-3.61	0.41	-8.82	0.00
quadratic : d' : cond_c	-0.28	0.45	-0.62	0.54
cubic : d' : cond_c	0.62	0.43	1.43	0.15
quartic : d' : cond_c	0.62	0.41	1.50	0.13
linear : CVC : cond_c	0.11	0.04	2.94	0.00
quadratic : CVC : cond_c	0.24	0.04	6.18	0.00
cubic : CVC : cond_c	0.24	0.04	6.37	0.00
quartic : d' : cond_c	0.22	0.04	6.23	0.00

Random Effects			
Groups	Name	Variance	Std.Dev.
Participant	(Intercept)	0.04043	0.2011
	linear	22.09557	4.7006
	quadratic	23.75876	4.8743
	cubic	15.73102	3.9662
	quartic	5.21108	2.2828
Observations	175,502		
Log Likelihood	-57,989.310		
Akaike Inf. Crit.	116,068.600		
Bayesian Inf. Crit.	116,522.000		