

	Estimate (β)	Std. error (s.e.)	t-value (t)
Trial number	-1.46E-04	2.01E-06	-72.95
Lexicality (word)	1.78E-01	1.65E-02	10.76
Cohort size (CS)	-3.31E-01	2.34E-02	-14.20
Average cohort frequency (ACF)	-2.35E-03	1.63E-03	-1.44
Summed cohort frequency (SCF)	6.98E-03	1.72E-03	4.05
Time (linear)	-5.22E+00	3.33E-01	-15.68
Time ² (quadratic)	-4.09E+00	2.39E-01	-17.16
Time ³ (cubic)	-1.72E+00	1.05E-01	-16.43
Time ⁴ (quartic)	-5.23E-01	2.27E-02	-23.05
Anterior-posterior (AP) position	-6.82E-03	1.17E-03	-5.84
Dorsal-ventral (DV) position	4.79E-03	3.00E-03	1.60
Lexicality * CS	-7.38E-03	2.19E-03	-3.38
Lexicality * ACF	-1.19E-04	1.97E-03	-0.06
Lexicality * SCF	2.81E-03	1.97E-03	1.43
CS * ACF	5.60E-03	4.05E-04	13.84
CS * SCF	-9.68E-04	1.48E-04	-6.56
ACF * SCF	-1.88E-03	1.29E-04	-14.61
Lexicality * time	3.51E+00	2.60E-01	13.53
Lexicality * time ²	3.26E+00	1.87E-01	17.48
Lexicality * time ³	1.55E+00	8.15E-02	19.00
Lexicality * time ⁴	3.26E-01	1.82E-02	17.89
Lexicality * AP position	6.06E-03	8.93E-04	6.79
Lexicality * DV position	-2.35E-03	2.30E-03	-1.02
Time * AP position	-1.53E-01	1.83E-02	-8.39
Time ² * AP position	-1.19E-01	1.31E-02	-9.09
Time ³ * AP position	-6.24E-02	5.74E-03	-10.88
Time ⁴ * AP position	-1.69E-02	1.24E-03	-13.6
Time * DV position	-1.59E-02	4.71E-02	-0.34
Time ² * DV position	-3.08E-02	3.37E-02	-0.91
Time ³ * DV position	-1.00E-02	1.48E-02	-0.68
Time ⁴ * DV position	-6.36E-03	3.20E-03	-1.99
CS * time	-5.25E+00	3.73E-01	-14.07
CS * time ²	-4.22E+00	2.69E-01	-15.69
CS * time ³	-2.23E+00	1.18E-01	-18.86
CS * time ⁴	-6.87E-01	2.60E-02	-26.46
CS * AP position	-9.28E-03	1.29E-03	-7.22
CS * DV position	3.21E-04	3.31E-03	0.10
ACF * time	7.66E-02	8.15E-03	9.40
ACF * time ²	-4.67E-02	7.23E-03	-6.46
ACF * time ³	5.12E-02	4.81E-03	10.65
ACF * time ⁴	-2.36E-02	2.49E-03	-9.49

	Estimate (β)	Std. error (s.e.)	t-value (t)
ACF * AP position	-9.96E-05	1.82E-05	-5.47
ACF * DV position	-2.59E-04	4.67E-05	-5.55
SCF * time	-5.87E-02	8.31E-03	-7.07
SCF * time ²	8.59E-03	7.41E-03	1.16
SCF * time ³	-1.90E-02	4.82E-03	-3.94
SCF * time ⁴	1.59E-02	2.23E-03	7.15
SCF * AP position	1.33E-04	1.74E-05	7.64
SCF * DV position	4.05E-04	4.47E-05	9.07
Lexicality * time * AP position	1.12E-01	1.42E-02	7.83
Lexicality * time ² * AP position	9.69E-02	1.02E-02	9.48
Lexicality * time ³ * AP position	4.98E-02	4.46E-03	11.18
Lexicality * time ⁴ * AP position	1.23E-02	9.96E-04	12.33
Lexicality * time * DV position	-8.59E-03	3.67E-02	-0.23
Lexicality * time ² * DV position	1.94E-02	2.64E-02	0.74
Lexicality * time ³ * DV position	1.61E-02	1.15E-02	1.40
Lexicality * time ⁴ * DV position	2.91E-03	2.57E-03	1.13
CS * time * AP position	-1.57E-01	2.05E-02	-7.65
CS * time ² * AP position	-1.34E-01	1.47E-02	-9.10
CS * time ³ * AP position	-7.12E-02	6.49E-03	-10.97
CS * time ⁴ * AP position	-2.11E-02	1.41E-03	-14.97
CS * time * DV position	8.13E-03	5.29E-02	0.15
CS * time ² * DV position	-2.13E-02	3.79E-02	-0.56
CS * time ³ * DV position	-2.08E-02	1.67E-02	-1.25
CS * time ⁴ * DV position	-1.51E-02	3.63E-03	-4.17
ACF * time * AP position	1.36E-03	3.08E-04	4.42
ACF * time ² * AP position	-2.21E-03	2.84E-04	-7.78
ACF * time ³ * AP position	7.93E-04	2.01E-04	3.94
ACF * time ⁴ * AP position	3.27E-05	1.18E-04	0.28
ACF * time * DV position	7.02E-03	7.90E-04	8.89
ACF * time ² * DV position	-6.44E-03	7.28E-04	-8.85
ACF * time ³ * DV position	6.12E-03	5.17E-04	11.85
ACF * time ⁴ * DV position	-2.19E-03	3.03E-04	-7.22
SCF * time * AP position	-1.53E-03	3.04E-04	-5.02
SCF * time ² * AP position	1.16E-03	2.76E-04	4.20
SCF * time ³ * AP position	-3.51E-04	1.88E-04	-1.87
SCF * time ⁴ * AP position	-2.57E-05	9.83E-05	-0.26
SCF * time * DV position	-5.61E-03	7.80E-04	-7.18
SCF * time ² * DV position	4.07E-03	7.08E-04	5.75
SCF * time ³ * DV position	-3.76E-03	4.82E-04	-7.80
SCF * time ⁴ * DV position	1.66E-03	2.52E-04	6.58

Supplemental table 1: Full coefficient table for fixed effects, GCA model. All fixed effects coefficients, standard error, and t-values are shown. Predictors which are not significant ($t < 2$) are greyed out.