

Supplemental Material S8. Model building outputs for generalized linear mixed effect models.

Model 1

AIC	BIC	deviance	df. residual
511.9	532.5	497.9	133

Random Effects

(Intercept)	Variance	Standard deviation
Number of different words	0.1224	0.3499
Mean length of utterance	0.000	0.000
Child age	0.000	0.000
MSEL visual reception	1.368e-10	0.0000117

Fixed Effects

	Estimate	Standard error	z value	p value
(Intercept)	-0.2664	0.1482	-1.797	0.07
Intransitive verb diversity	0.1427	0.0172	8.314	< .001
Transitive verb diversity	0.0691	0.0157	4.413	< .001

Model 2

AIC	BIC	deviance	df. residual
507.9	522.6	497.9	135

Random Effects

(Intercept)	Variance	Standard deviation
Number of different words	0.1224	0.3499
MSEL visual reception	0.0000	0.0000

Fixed Effects

	Estimate	Standard error	z value	p value
(Intercept)	-0.2664	0.1482	-1.797	0.07
Intransitive verb diversity	0.1427	0.0172	8.314	< .001
Transitive verb diversity	0.0691	0.0157	4.413	< .001

Model 3 (Final Model)

AIC	BIC	deviance	df. residual
505.9	517.7	497.9	136

Random Effects

(Intercept)	Variance	Standard deviation
Number of different words	0.1224	0.3499

Fixed Effects

	Estimate	Standard error	z value	p value
(Intercept)	-0.2664	0.1482	-1.797	0.07
Intransitive verb diversity	0.1427	0.0172	8.314	< .001
Transitive verb diversity	0.0691	0.0157	4.413	< .001