

Appendix: Generalised linear mixed-effects model

Generalized linear mixed model fit by maximum likelihood (Laplace Approximation) ['glmerMod']
 Family: binomial (logit)
 Formula: pron.gender ~ log(N.frequency + 1) + N.semantics + N.morph + antecedent.function + antecedent.determiner + pronoun.sentence + pronoun.weight + syntactic.distance + speaker.gender + speaker.residence + register + (1 | noun) + (1 | speaker_ID)
 Data: data.lien
 Control: glmerControl(optimizer = "bobyqa", optCtrl = list(maxfun = 1e+05))

AIC	BIC	logLik	deviance	df.resid
1699.3	1846.6	-822.6	1645.3	1704

Scaled residuals:

Min	1Q	Median	3Q	Max
-3.7594	-0.3325	-0.1076	0.3221	6.4197

Random effects:

Groups	Name	Variance	Std.Dev.
noun	(Intercept)	5.961	2.441
speaker_ID	(Intercept)	1.275	1.129

Number of obs: 1731, groups: noun, 649; speaker_ID, 513

Fixed effects:

	Estimate	Std. Error	z value	Pr(> z)	
(Intercept)	-0.485008	0.520866	-0.931	0.351773	
log(N.frequency + 1)	-0.096750	0.089725	-1.078	0.280901	
N.semanticsimple	-2.753709	0.433813	-6.348	2.19e-10	***
N.morphfem.morph	1.081871	0.359694	3.008	0.002632	**
antecedent.functionssubject	-0.266013	0.268001	-0.993	0.320914	
antecedent.functionoblique	0.183876	0.336844	0.546	0.585150	
antecedent.functionincompl.	1.156853	0.426250	2.714	0.006647	**
antecedent.functionNP.part	0.167302	0.634704	0.264	0.792096	
antecedent.functioncomp.	0.082848	0.560259	0.148	0.882442	
antecedent.determinerdemonst.	-0.127792	0.289669	-0.441	0.659094	
antecedent.determiner indef.art	1.184278	0.308373	3.840	0.000123	***
antecedent.determinerposses.	0.007611	0.363974	0.021	0.983316	
antecedent.determinerzero	1.299503	0.424142	3.064	0.002185	**
antecedent.determiner indef.other	5.661764	1.188351	4.764	1.89e-06	***
pronoun.sentencesubj.lex.V	1.254503	0.262609	4.777	1.78e-06	***
pronoun.sentencecop.sentence	2.084399	0.318846	6.537	6.26e-11	***
pronoun.sentenceambig.incompl	2.172818	0.865190	2.511	0.012026	*
pronoun.weightfull	0.951531	0.218592	4.353	1.34e-05	***
syntactic.distancein.turn	-0.592013	0.277916	-2.130	0.033156	*
syntactic.distancein.sentence	-1.142168	0.312681	-3.653	0.000259	***
speaker.gendernone	0.653768	0.254152	2.572	0.010101	*
speaker.residencewest-Flanders	0.329587	0.318930	1.033	0.301409	
registerSpontPubDia	-1.762520	0.459178	-3.838	0.000124	***
registerSpontPubMono	-1.304659	0.546496	-2.387	0.016972	*
registerPrepPubMono	-3.547536	0.657859	-5.393	6.95e-08	***