**Data-analysis models**

GLMMs: family = binomial, link = "logit"

LMMs: REML = FALSE

All models dummy-coded

*Full passive viewing/listening dataset + full simultaneous interpreting dataset (analyses run separately)*

GLMM accuracy analysis (glmer function, optimizer: optimx/nlminb):

Full model: Accuracy ~ Priming\_relationship \* Audiovisual\_congruence \* Target\_type + (1|Subject) + (1|Item)

Reduced models: Accuracy ~ Priming\_relationship + Audiovisual\_congruence \* Target\_type + (1|Subject) + (1|Item)

Accuracy ~ Priming\_relationship \* Audiovisual\_congruence + Target\_type + (1|Subject) + (1|Item)

Accuracy ~ Priming\_relationship \* Target\_type + Audiovisual\_congruence (1|Subject) + (1|Item)

LMM RT analysis (lmer function):

Full model: LogRT ~ Priming\_relationship \* Audiovisual\_congruence \* Target\_type + (1|Subject) + (1|Item)

Reduced models: LogRT ~ Priming\_relationship + Audiovisual\_congruence \* Target\_type + (1|Subject) + (1|Item)

LogRT ~ Priming\_relationship \* Audiovisual\_congruence + Target\_type + (1|Subject) + (1|Item)

LogRT ~ Priming\_relationship \* Target\_type + Audiovisual\_congruence (1|Subject) + (1|Item)

*Related primes subsets – analyses run separately for passive viewing/listening and simultaneous interpreting*

GLMM accuracy analysis (glmer function):

Full model: Accuracy ~ Audiovisual\_congruence \* Target\_type + (1|Subject) + (1|Item)

Reduced model: Accuracy ~ Audiovisual\_congruence + Target\_type + (1|Subject) + (1|Item)

LMM RT analysis (lmer function):

Full model: LogRT ~ Audiovisual\_congruence \* Target\_type + (1|Subject) + (1|Item)

Reduced model: LogRT ~ Audiovisual\_congruence + Target\_type + (1|Subject) + (1|Item)