Analysis Models for Experiment 2:

Misspecification Analysis:
Misspec_analysis <- glmer(Misspecification ~ Shift_Direction * TT_Consistency + (Shift_Direction * TT_Consistency || SessionID) + (Shift_Direction * TT_Consistency || Series), dataset, binomial(link = "logit"), control = glmerControl(optimizer = "bobyqa"))

Speech Fluency Analysis:
Fluency <- dataset %>%
  mutate(Ideal = !Misspec & (SpeechFluency == "FL"),
  Shift_Direction = (Shift_Direction == "Contrast_Singleton") - mean(Shift_Dirction == "Contrast_Singleton"),
TT_Consistency = (TT_Consistency == "Consistent") – mean(TT_Consistency == "Consistent"))

Differential Onset Latency Analysis:
Onset <- lmer(Difference ~ Shift_Direction * TT_Consistency + (Shift_Direction * TT_Consistency || SessionID) + (Shift_Direction * TT_Consistency || Series), dataset,
REML = FALSE)