Appendix: Pilot Experiment

2022-03-31

We add a new pilot dataset of 15 infants from Leiden University. Notes: Julien's data has age rounded to month – don't we want continuous age? There are 16 data files for Leiden participants, but inside the file for participant 16 the subject ID is '15': is this a duplicate, or should just be changed to 16? What are the procedures used by each lab? (Leiden = HPP, Julien = eyetracking?) Which random effects structures should we use for the 2 pilot labs (esp. tricky if they also vary procedure)?

Participants

Analysis

Table 1: Regression coefficients.

	Estimate	Std. Error	df	t value	Pr(>|t|)
(Intercept)	7.99	0.57	19.04	14.04	0.00
fam_conditionABB	0.04	0.14	44.28	0.31	0.76
trial_typesame	0.30	0.41	342.80	0.73	0.46
age_months	0.05	0.05	29.35	1.07	0.29
trial	-0.03	0.01	78.84	-1.77	0.08
fam_conditionABB:trial_typesame	0.20	0.12	341.38	1.72	0.09
trial_typesame:age_months	-0.05	0.04	341.69	-1.32	0.19
trial_typesame:trial	0.02	0.02	355.29	1.02	0.31

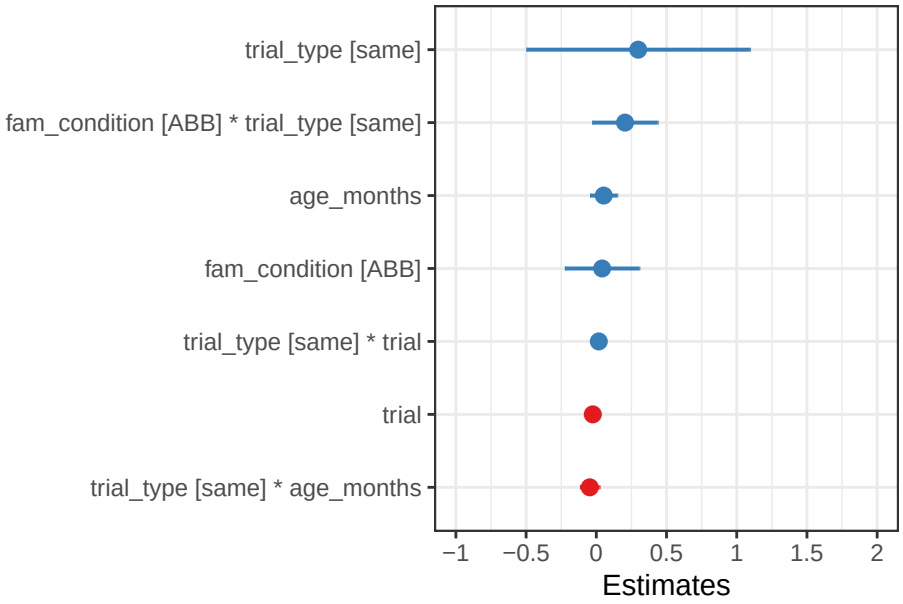

Figure 1: Regression coefficients with 95% confidence intervals.

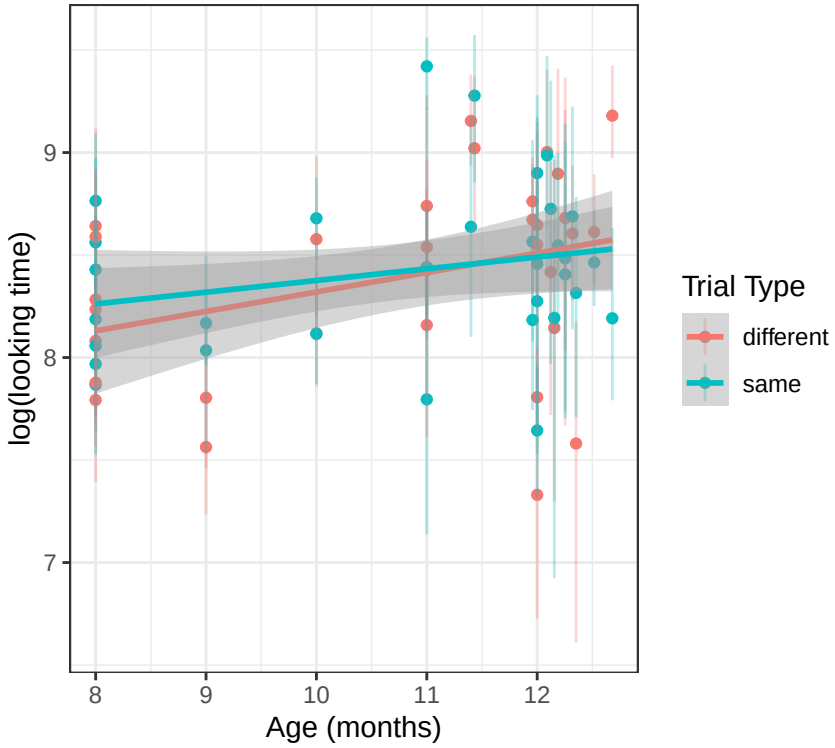

Figure 2: Log(looking time) by trial type and age, and bootstrapped 95% confidence intervals.