1 Supplemental Materials

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Supplemental Materials

Using the more stringent 25%-75% language exposure criterion, we further eliminated a total of 9 bilingual infants who had a wider language exposure range. This left us with data from 41 participants (23 girls; mean starting age = 18 months, $SD = 1.17$, range = $16.20 - 20.40$; mean ending age = 21.84 months, $SD = 3.43$, range = $16.30 - 27.14$), with 180 English CDI administrations and 176 French CDI administration. As in the main analysis, we retained only those administrations where both the English and French were completed at the same time point; this gave us 172 completed administrations from 38 infants. Among the 38 infants, 5 infants contributed data at only one time point, and 33 infants contributed data at more than one time point, with participants contributing an average of 4.53 measurements for each language ($SD = 2.63$, range = $1 - 10$).

On average, this group of 38 infants were exposed to English 50.90% of the time ($SD = 10.70$, range = $26 - 74$), to French 48.50% of the time ($SD = 11.20$, range = $26 - 74$), and to a third language 0.60% of the time (SD = 1.50, range = $0 - 5$). 22 of the bilingual infants were English-dominant ($M = 57.30\%$ English exposure, $SD = 7.70$, range = $49 - 74$), 15 were French-dominant ($M = 59.40\%$ French exposure, $SD = 6.10$, range = $51 - 74$), and 1 reported equal exposure to both English and French. The average maternal education level was 17.32 years ($SD = 2$, range = $12 - 23$), and 92.11% of the mothers had completed a university degree or higher.

Descriptive Measures of Number of Words Produced

Summary of Analyses

Overall, the result patterns observed here with the more stringent language exposure criterion were consistent with those reported in the main analysis. This suggests that the cognate effect we observed was robust across different language exposure inclusion criteria.
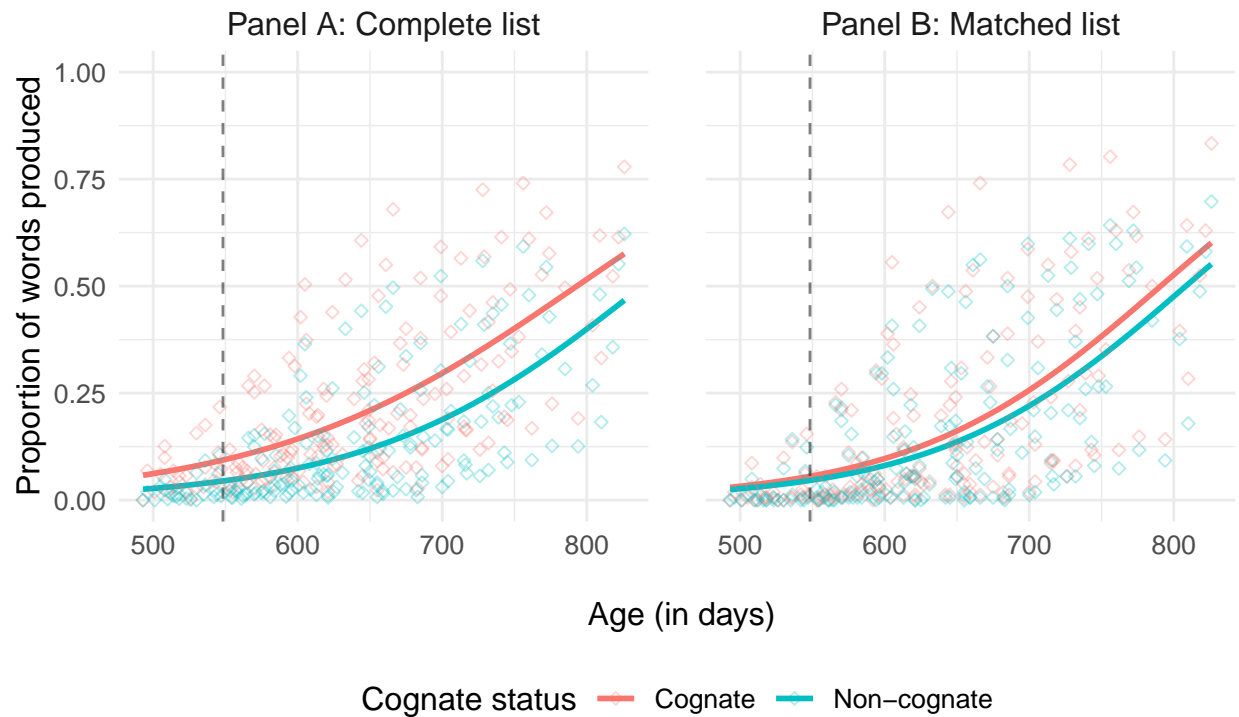
Figure 1. Proportion of words produced by age and cognate status, with Panel A representing the complete list and Panel B representing the matched list. Note that the black dashed line represents the mean age of 547.6 days which serves as the reference level for age in our models.

Table S1. Coefficient estimates from the mixed-effects logistic models predicting proportion of words produced.

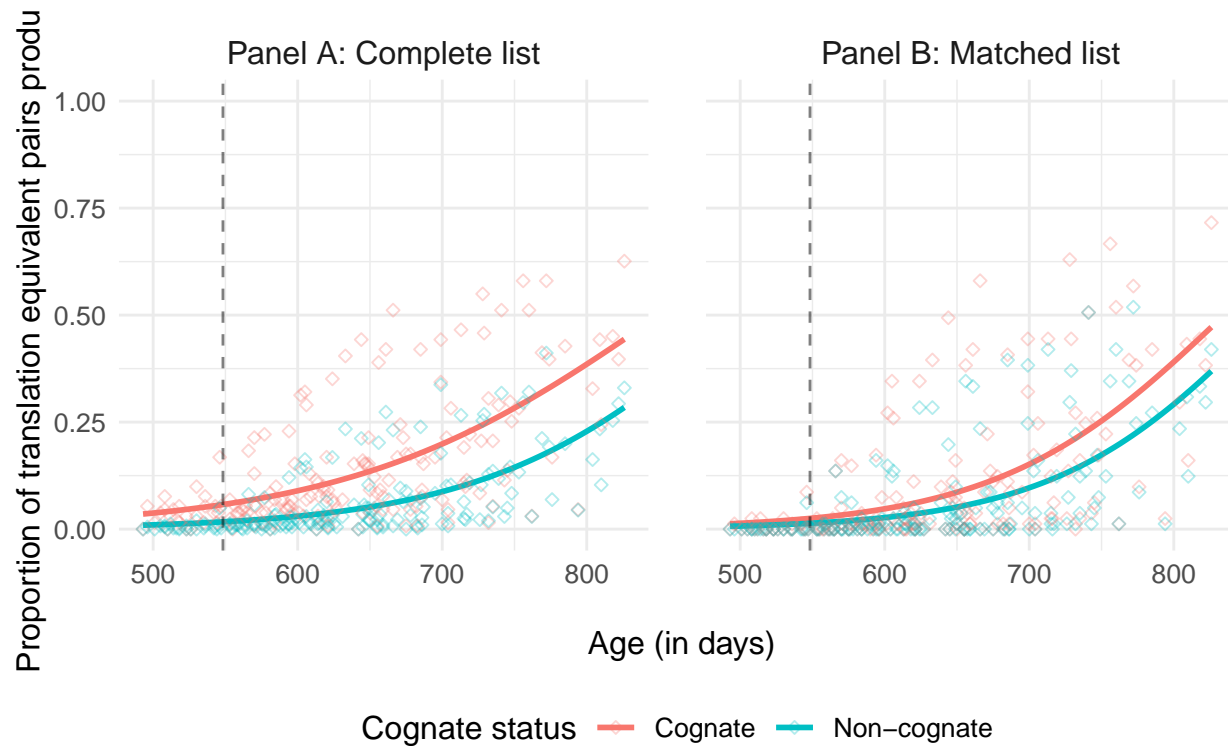|	Complete list				Matched list			
	Estimate	SE	z	p	Estimate	SE	z	p
Intercept	-2.580	0.171	-15.100	<.001	-2.810	0.245	-11.400	<.001
cognate_status	0.761	0.017	44.300	<.001	0.239	0.031	7.770	<.001
age_days	0.010	0.000	75.700	<.001	0.012	0.000	40.600	<.001
cognate_status * age_days	-0.001	0.000	-5.760	<.001	0.000	0.000	0.565	0.572

Figure 2. Proportion of translation equivalent pairs produced by age and cognate status, with Panel A representing the complete list and Panel B representing the matched list. Note that the black dashed line represents the mean age of 547.6 days which serves as the reference level for age in our models.