results\_markdown

ASM

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library(here)

## here() starts at C:/Users/andre/OneDrive/Documentos/Research/family\_language\_strategies/family\_language\_strategies

library(tidyverse)

## -- Attaching packages --------------------------------------- tidyverse 1.3.1 --

## v ggplot2 3.3.5 v purrr 0.3.4   
## v tibble 3.1.6 v dplyr 1.0.10  
## v tidyr 1.2.0 v stringr 1.4.0   
## v readr 2.1.2 v forcats 0.5.1

## -- Conflicts ------------------------------------------ tidyverse\_conflicts() --  
## x dplyr::filter() masks stats::filter()  
## x dplyr::lag() masks stats::lag()

library(dplyr)  
library(lme4)

## Loading required package: Matrix

##   
## Attaching package: 'Matrix'

## The following objects are masked from 'package:tidyr':  
##   
## expand, pack, unpack

library(lmerTest)

##   
## Attaching package: 'lmerTest'

## The following object is masked from 'package:lme4':  
##   
## lmer

## The following object is masked from 'package:stats':  
##   
## step

library(rstatix)

##   
## Attaching package: 'rstatix'

## The following object is masked from 'package:stats':  
##   
## filter

load(here("anonymized\_data/final\_merged\_data.Rda"))

## Methods

### Participants

n <- final\_data %>%  
 distinct(unique\_id) %>%  
 tally()  
  
age\_range <- range(final\_data$age, na.rm = T)

Participants for each study were recruited from a database of interested families in Montréal, Canada, largely via provincial birth lists, social media, and in-person recruitment, for example at libraries and community events.

The final sample consisted of data from 552 aged 4.3367556, 30.9486653

### Data Pre-Processing

All the relevant LEQ data were manually entered from LEQ forms into excel spredsheets. The data were entered twice by two different researchers to minimize human errors. Demographic data were exported from Filemaker. LEQ and demographic data were merged together using a unique identifier per child per study, as some children participated in more than one study.

## Results