**ES/N01703X/2: Understanding infants’ curiosity driven exploration**

The files in this archive relate to:

Twomey, K. E., Malem, B., Ke, H., & Westermann, G. (in prep). Evidence for systematicity in infant and toddler curiosity-driven learning.

At the time of the end of the award, this paper is in preparation for submission. The current upload consists of data, stimuli and details of the methods.

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| **File name** | **Type** | **Description** |
| cur2d-methods.pdf | Text | Methods section from in prep paper. Contains details of stimuli, procedure, participants. |
| data\_adult.zip | Eyetracking data, tab separated | Data from adult study. This dataset is not currently planned to be included in the paper. Adults had twice the number of trials as children. |
| data\_12.zip | Eyetracking data, tab separated | Data from 12mo study. |
| data\_28.zip | Eyetracking data, comma separated | Data from 28mo study. Note duplicate participant numbers have been manually corrected, hence .csv rather than .tsv format |
| cur2d\_12mo\_summary.xlsx | Anonymised participant data, excel format | Age, condition, calibration, vocabulary data for 12mos |
| cur2d\_28mo\_summary.xlsx | Anonymised participant data, excel format | Age, condition, calibration, vocabulary data for 28mos |
| stimuli.zip | .jpg., .au projects (audacity) | Visual and audio stimuli for all studies |

**Variable names for eyetracker data files:**

ParticipantName: Participant ID number

MediaName: Stimulus on screen

RecordingTimestamp: Eyetracker timestamp

GazepointX (MCSpx): x co-ordinate of gaze location measured from top left hand corner of stimulus in pixels

GazepointY (MCSpx): x co-ordinate of gaze location measured from top left hand corner of stimulus in pixels

ValidityLeft: 0 when eyetracker is detecting left eye, 4 when no eye detected

ValidityRight: 0 when eyetracker is detecting left eye, 4 when no eye detected

**Variable names for participant data files:**

Condition: Condition (s = silent, l = label)

Pnum: Participant ID number

Sex: Participant sex (f = female, m = male)

Agetotal: Participant age in days

Months: Participant age: months

Days: Participant age: days over month; i.e., if Months = 12 and Days = 14, participant is 12 months 14 days old

VocabU (12mos only): Receptive vocabulary (“understood” column on CDI)

Vocabprod/vocab\_prod: Productive vocabulary (“says” column on CDI)

Vocabcomp/vocab\_comp: Total vocabulary

Samples: Eyetracker sampling rate

Notes: General notes; “TS” in this column refers to Tobii Studio where typos were made in the participant ID