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

The files in this archive relate to:

Ke, H., Westermann, G., & Twomey., K. E. (in prep). A Golidlocks effect in infants’ and toddlers’ curiosity-driven object exploration

At the time of the end of the award, this paper is in preparation for submission. Once submitted, all scripts and data will be uploaded and a link to this resource will be included in the paper.

The current upload consists of data from a behavioural study with 12, 18 and 24-month old children who were provided with 3D object to play with (touch\_sequences.zip).

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| **File name** | **Type** | **Description/key to variables** |
| curhmet\_summary\_anon\_final-full.xlsx | Anonymised data, excel format | Participant demographic and session record.Key:ID: participant numberSex: participant sexAge\_days: participant age in days at date of testingOrder: counterbalance order usedSession\_notes: free-text field for any additional informationDrop: Participant’s data included in final dataset (yes/no)?  |
| curhmet-counterbalance.xlsx | Counterbalance orders, excel format | Stimuli consisted of three sets of five 3D objects (see stimuli.skp) which form a category continuum in which shape varies between exemplars (exemplars referred to as 1, 2, 3, 4, 5). Each set was produced in three colours. Each set was seen twice, resulting in six trials per infant. Infants were first provided with a single prime object from either end of the continuum (i.e. first or last object in continuum, referred to as 1 or 5; see “Prime” column). After playing for 15s, the prime was removed and infants were given the remaining four objects to play with for 30s.  |
| stimuli.skp\* | Sketchup design file | 3D printable file containing stimuli. Can be printed using Makerbot 3D printer; .skp file can be converted using the free Makerbot Make software. |
| stimuli.dxf\* | CAD file | Stimuli in CAD format |
| stimuli.docx\* | Stimulus details, word format | Details of the category exemplar numbering (i.e. which numbers 1 – 5 refer to which stimulus in each category) |
| curhmet-data-first-touch.csv | Anonymised data, .csv format | Record of the first objects children touched (“first touch”) after being provided with the four remainder objects following the prime.Key:Pnum: participant numberAge: age groupTrial: trial numberSet: set (block, cylinder, pyramid)Prime: prime object (1 or 5)Pick: object touchedNB: “double” refers to instances when infants touched two objects simultaneously. |
| curhmet-data-seq12.csv | Anonymised data, .csv format | Record of sequences of 12mos’ object exploration following first touch. Each row represents a single touch event.Key:Participant: participant numberTrial: trial numberSet: set (block, cylinder, pyramid)Prime: prime object (1 or 5)TouchOrder: order of touch in the sequenceObject: object chosen |
| curhmet-data-seq18.csv | Anonymised data, .csv format | Record of sequences of 18mos’ object exploration following first touch. Each row represents a single touch event.Key:Participant: participant numberTrial: trial numberSet: set (block, cylinder, pyramid)Prime: prime object (1 or 5)TouchOrder: order of touch in the sequenceObject: object chosen |
| curhmet-data-seq24.csv | Anonymised data, .csv format | Record of sequences of 24mos’ object exploration following first touch. Each row represents a single touch event.Key:Participant: participant numberTrial: trial numberSet: set (block, cylinder, pyramid)Prime: prime object (1 or 5)TouchOrder: order of touch in the sequenceObject: object chosen |

\* .skp files are design files used in the free 3D design software SketchUp, available here https://www.sketchup.com. Stimuli were 3D printed on a MakerBot 3D printer using the free Makerbot Print software, available here: https://www.makerbot.com/3d-printers/apps/makerbot-print/. Screenshots of the stimuli from SketchUp are provided in the file stimuli.docx. Stimuli in CAD fromat are provided in stimuli.dxf