



Effects of labelling and sustained attention on novelword learning during parent-child interaction

Ming Yean Sia^{1,2}, Rajalakshmi Madhavan^{1,2}, Xiaoyun Chen³ & Nivedita Mani^{1,2}

¹ University of Göttingen; ² Leibniz-ScienceCampus Primate Cognition; ³ University of Lancaster



Background

Object novelty impacts how parents interact with and talk about the object (Chen et al., 2021), and how children handle objects (Schatz et al., 2022).

Research gap

- Previous studies have examined interactions involving either all novel or all familiar objects.
- Naturalistic environments present a range of objects children are more or less familiar with.
- How do children interact with objects in the presence of both novel and familiar objects?
- Furthermore, most studies used made-up objects as their novel stimuli, hence, parents have little knowledge about these objects.
- However, in real life, objects novel to children are often familiar to adults.

Methods

Participants

- 31 parent-child dyads (German monolinguals)
- 14-23 months old

Procedure

1. Play task

- Parent-child dyads were allowed to play naturally with 4 toys for 6 minutes.
- Gaze and hand manipulation were recorded.
- 2. Word recognition task
 - 6 trials (2 familiar trials and 4 novel trials)
 - Two objects were presented and children were asked to choose the referent of a presented label

Materials



Results

H2: Parents label familiar objects more frequently than novel objects during play



Object

H3: Children show no improved recognition of novel toys as a function of frequent labelling



Current study

- We examine features of parent-child interaction when they were playing with both novel and familiar toys.
- Parents were free to interact with and label the objects in any way they wanted.

Hypotheses

H1: We predict more instances of parent-led joint attention when the object was novel to the child **H2:** We predict a higher frequency of object labelling behaviour during novel object play compared to familiar object play. **H3:** We predict that children will show improved recognition of novel toys if these toys were frequently labelled when they were attending to the toys.



Results

H1: Parents lead more instances of joint attention when the object was novel to the child



Implications

- Contrary to lab-based experiments which \bullet reveal strong novelty preference in children, under more naturalistic situations where both novel and familiar objects are present, children actually show a familiarity bias.
- In line with Chen et al. (2021), we found that parents labelled familiar objects more often.
- We speculate that this finding is due to

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References

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https://twitter.com/raji smadhavan smadhavan@uni-goettingen.de

OSF preregistration: https://osf.io/h8bmt

www.uni-goettingen.de