



**SFB
1287**

Limits of Variability in Language
Cognitive, Computational, and Grammatical Aspects

DATA

MANAGEMENT

PLAN

CRC 1287 | 2025 | Phase 2

Project C03

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GENERAL INFORMATION

Overview

Project number

C03

Name of Experiment / Acronym / Number

WP3 - Eye-Tracking Studies

Involved persons

Marc Hullebus, Tom Fritzsche, Alan Langus

PI or responsible person (head of the study)

Barbara Höhle, Adamantios Gafos

Subject area

Linguistics, Phonology, Phonetics, Language Acquisition

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Method / Type of data

Behavioural data:

- Online: Eye tracking (eye movements, looking times)
- Offline: Responses, reaction times (adults only)

Physiological data:

- Pupil size (pupillometry)

Background data:

- Demographic information
- Language assessment (questionnaires, surveys)

Participants (of the study)

Infants of the age 13-18 and 25-27 months, adults

Short description (of the study)

Word-learning studies in which participants have to form associations between novel objects and novel words. The learning phases consist of either familiarisation (fixed exposure to word-object pairs) or habituation (for infants only) in which the duration is dependent on the looking behaviour of the participants. The input during the learning phase is manipulated across these studies with regard to different factors, e.g. the frequency of presentation of each word-object pair, the number of presented pairs (types, not tokens), the kind and frequency of co-varying features (i.e. speaker gender and/or voice), the presentation schedule of the various pairs (blocked, interleaved).

Comments (optional)

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Data Management Requirements

Are there requirements regarding the data management from your scholarly / scientific community?

yes

If yes, what are the requirements?

- DFG Guidelines on the Handling of Research Data
- Handlungsempfehlungen zum Umgang mit Forschungsdaten University of Potsdam
- Technische und organisatorische Maßnahmen (TOM) gemäß Art. 32 Abs. 1 DSGVO
- Data Management in Psychological Science

Financial Support

Who is funding the project?

DFG - Deutsche Forschungsgemeinschaft e.V. (German Research Foundation)
- <https://www.dfg.de/en/>

In which funding line and / or which funding program is the project funded?

Collaborative Research Centre 1287 - Project number 317633480

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DATASET INFORMATION

Data Origin

Is the dataset being created or re-used?

created

If re-used, who created the dataset and under which address, PID or URL is the data set available?

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Data Collection

When does data collection start? (approximately / tentatively)

01.06.2022

When does data collection end? (approximately / tentatively)

30.07.2025

Data Handling

Where is the dataset stored during the project?

- CRC file server
- Box.UP university cloud
- researcher's computer
- computer in the laboratory

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If data is stored on lab or personal computers, please describe the backup strategy.

- Uni Potsdam Cloud Servers (BoxUP)
- CRC-File Server

Which file formats are used?

- Stimuli: .avi, mp4, .wav, .jpg
- Protocols and instructions: .xlsx, .txt, .docx, .pdf
- Raw measurement data: .txt, .csv
- Data Analysis: .R, .rmd

Which measures of quality assurance are taken for this dataset?

- Digitised log sheets of the test procedure
- Video of the test session (wherever compliant with the ethics approval, for infants only)
- Use common file formats
- Good documentation
- Code review

Data Analysis

When does data analysis start? (approximately / tentatively)

30.11.2023

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When does data analysis end? (approximately / tentatively)

29.09.2025

Data Reuse

Which individuals, groups or institutions could be interested in re-using this dataset? What consequences does the reuse potential have for the provision of the data later?

Other researchers might be interested in the eye-movement and pupillometry data. They could be re-analysed, modelled computationally or included in meta-analyses. Researchers could be from the project, from other institutions or groups, even outside the field of language acquisition (psychology, cognitive science). The data is anonymisable and there bear to potential to be shared. Personal and video data will never be shared and actually deleted after a period of time.

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LEGAL AND ETHICS

Personal Data

Does this dataset contain personal data?

yes

If yes, are these data anonymised?

yes

Property Rights

Does the project use and/or produce data that is protected by intellectual or industrial property rights?

no

If yes, please explain which data protected by intellectual or industrial property rights?

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PUBLICATION

Publishing or Sharing Data

Will this dataset be published or shared?

yes

If yes, the principal investigator of the study ensured that the consent form / subject information sheets support publishing of the data?

yes

If yes, under which terms of use or license will the dataset be published or shared?

CC BY (Attribution)

If yes, when will the data be published?

when the paper is published

If no, please explain why not. Please differentiate between legal and contractual reasons and voluntary restrictions.

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STORAGE AND LONG-TERM PRESERVATION

Archive

Does this dataset have to be preserved for long-term?

yes

How long does the data need to be stored?

The DFG expects primary data that is the basis of a publication to be stored in the researcher's own institution or an appropriate nationwide infrastructure long-term (for at least 10 years).

What are the reasons this dataset must be preserved for the long-term?

- Use in a publication / Evidence of good scientific practice
- Reuse (if anonymizable data) in subsequent projects or by others
- Legal obligations
- Documentation because it is socially relevant
- Self-commitment
- Evidence of good scientific practice
- DFG requirements

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Where will the data (including metadata, documentation, and relevant code) be stored or archived after the end of the project?

- CRC 1287 File-Server
- OSF
- Research Data Server from Project IN-FDM-BB (a.t.m. not available)

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coordinated by:



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