



**SFB
1287**

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

DATA MANAGEMENT PLAN
SFB 1287 / 2025 / PHASE 2

PROJECT B03

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General Information

Overview

Project number

B03

Name of Experiment / Acronym / Number

WP2, Experiment 1

Involved persons

Yana Arkhipova

PI or responsible person (head of the study)

Milena Rabovsky

Subject area

cognitive neuroscience; sentence processing;

Method / Type of data

EEG

Participants (of the study)

N = 120 (after replacement due to noisy data) Right-handed, 18-40, German native speakers, monolingual, no neurological disorders, normal or corrected-to-normal vision, have not participated in similar studies

Short description (of the study)

in this EEG experiment, participants will be presented via rapid serial visual presentation (RSVP) with German role-reversed and plausible sentences such as a) Der Polizist hat den Dieb festgenommen. b) Der Dieb hat den Polizisten festgenommen. Here, we expect an overall pattern of small N400 amplitudes (despite the anomaly) and large P600 amplitudes in the role-reversed sentences as observed previously for English stimuli (e.g., Kuperberg et al. 2003).

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*
- *Data Management in Psychological Science*
- *„Handlungsempfehlungen zum Umgang mit Forschungsdaten“ University of Potsdam*
- *„Technische und organisatorische Maßnahmen“ (TOM) gemäß Art. 32 Abs. 1 DSGVO.*

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

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?

-

Data Collection

When does data collection start? (approximately / tentatively)

01.07.2022

When does data collection end? (approximately / tentatively)

31.05.2023

Data Handling

Where is the dataset stored during the project?

Laboratory and Researchers Computer

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

-.

Which file formats are used?

**.vhdr (BrainVison file)*

Which measures of quality assurance are taken for this dataset?

common file formats, good documentation

Data Analysis

When does data analysis start? (approximately / tentatively)

01.12.2022

When does data analysis end? (approximately / tentatively)

30.06.2023

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?

The anonymized and pre-processed dataset will be available on Open Science Framework (osf.io), and will be made available for use by interested EEG researchers

Legal and Ethics

Personal Data

Does this dataset contain personal data?

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?

Creative Commons Namensnennung (CC-BY)

If yes, when will the data be published?

Recommended procedure: Upload data and obtain digital identifier (e.g., DOI, OSF link) when submitting the first paper; thus, you can cite the data in the paper. If necessary, restrict public access (embargo) until last paper published (max. 2 years).

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*

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

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

coordinated by:



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