# DATA MANAGEMENT PLAN

**CRC 1287 | 2021 | Phase 1**

**Project B05**

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# GENERAL INFORMATION

## Overview

### Project number

B05

### Name of Experiment / Acronym / Number

Experiment 2 - Speeded picture word interference task

### Involved persons

Sylvain Madec, Thea Villinger, Shereen Elbuy, Hyein Jeong, Pamela Fuhrmeister

### PI or responsible person (head of the study)

Audrey Burki

### Subject area

Language production

### Method / Type of data

Behavioral data collected with computerized and paper tasks, with recording of vocal responses to isolated words and measures of performance on several non linguistic cognitive tasks

### Participants (of the study)

48 young adult (18 - 30 years old). Right handed.

## Short description (of the study)

In the main task of this study participants perform a picture word interference task (i.e., pictures are presented one by one on the screen with superimposed written wor ds, participants are instructed to name the pictures) in two conditions. In the first (speeded condition), filler trials are displayed for a shorter duration than test trials. In the second (slow condition), filler and test trials are displayed for a similar duration. In addition, participants perform a series of secondary tasks: A recall task where participants are presented with the written words of the picture word interference task and have to indicate whether they have seen them in the experiment or n ot; and reading aloud task where they name all the written words aloud, a delayed naming task where they name the pictures of the main task after a delay, span tasks (operation span task, symetry span task, rotation span task), inhibition tasks (Flanker task, Simon task, stop signal task), attentional tasks (continuous tempora l expectancy task, conjunctive continuous performance task), Edinburgh Handedness Inventory, the mehrfachwahl Wortschatztest (MWT), and the digit symbol test (WAIS).

## 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

## 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 317633498

# 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)

September 2019

### When does data collection end? (approximately / tentatively)

March 2020

## Data Handling

### Where is the dataset stored during the project?

- CRC file server

- Box.UP university cloud

- researcher's computer

- computer in the laboratory

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

- The university cloud and CRC File Server is backed up regularly.

## Which file formats are used?

Raw data:

- PWI task: wav files recorded during the experiment for each trial/participant; log file generated by the software Presentation for each participant

- recall task: log file generated by the software Presentation for each participant

- delayed naming task: wav file for each trial participant

- reading task: wav file for each trial participant

- operation span task: a csv file for each participant

- symmetry span task: a csv file for each participant

- rotation span task: a csv file for each participant

- Flanker task : a csv file for each participant

- Simon task: a csv file for each participant

- stop signal task: a csv file for each participant

- continuous temporal expectancy task: a csv file for each participant

- conjunctive continuous performance task a csv file for each participant

- Edinburgh Handedness Inventory, mehrfachwahl Wortschatztest (MWT), and digit symbol test (WAIS): we enter the results on paper, later copied in csv files.

Pre processed data:

- a csv file with the results (accuracy, response times) for each tri al of the main task, score on other tasks for participant

- a txt file describing the columns of the above csv file

**Which measures of quality assurance are taken for this dataset?**

PI checked the pre processed file and analyses

## Data Analysis

**When does data analysis start? (approximately / tentatively)**

April 2020

**When does data analysis end? (approximately / tentatively)**

October 2020

## 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?**

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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?**

CC0 (Public Domain)

**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

**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)