DMP - ELISABETH VAN DER HULST (1118423N)

RESEARCH DATA SUMMARY

Dataset name / ID	Description	New or reuse	Data type	File format	Data/ Physical volume
Questionnaire data		<u> </u>		•	
Demographic information: Age and gender	For online experiments, this questionnaire will be included in the programmed experiment in jsPsych together with the experimental part of the study. For offline studies, if consented, demographical data will be orally questioned or included in the programmed experiment (in Python) together with the experimental part of the study) The results will solely be used to get information on the participant sample and potential confound of the demographic variables. In the offline study, if the participant does not consent to providing this data, they can still participate in the experimental part of the study.	New	Textual and numerical	.txt	< 1 GB
Tolerance for uncertainty	No validated questionnaires have been chosen yet. For online experiments, this questionnaire will be included in the programmed experiment in jsPsych together with the experimental part of the study. For offline studies, Qualtrics will be used.	New	Textual and numerical	.txt .csv	< 1 GB
Need for Structure	No validated questionnaires have been chosen yet. For online experiments, this questionnaire will be included in the programmed experiment in jsPsych together with the experimental part of the study. For offline studies, Qualtrics will be used.	New	Textual and numerical	.txt .csv	< 1 GB
Hypersensitivity	No validated questionnaires have been chosen yet. For online experiments, this questionnaire will be included in the programmed experiment in jsPsych together with the experimental part of the study. For offline studies, Qualtrics will be used.	New	Textual and numerical	.txt .csv	< 1 GB
Art expertise	No validated questionnaires have	New	Textual and	.txt	< 1 GB

Dataset name / ID	Description	New or reuse	Data type	File format	Data/ Physical volume
	been chosen yet.		numerical	.CSV	
	For online experiments, this questionnaire will be included in the programmed experiment in jsPsych together with the experimental part of the study.				
	For offline studies, Qualtrics will be used.				
Behavioral data					!
Perceptual organization: choice data, reaction times	Perceived organization, forced choice out of multiple options, reaction times (as secondary variables)	New	Numerical	.csv .txt	< 1 GB
	Offline: Computer task programmed with Python				
	Online: Computer task programmed with Python				
Objectivity/complexity ratings	Offline: Computer task programmed with Python	New	Numerical	.csv .txt	< 1 GB
	Online: Computer task programmed with Python				
Aesthetic ratings	Both preference tasks and rating tasks will be used.	New	Numerical	.csv .txt	< 1 GB
	For online studies, we will use JavaScript and jsPsych.				
	For offline studies, the ratings will be programmed in Python.				

SMEC approval

Approval number SMEC research: G-2021-3272

If needed, an addendum to this application will be submitted.

As the data contain personal information, the data will be treated with the necessary carefulness. As described in the application to the ethics committee,

- the data will be pseudonymized by removing personal data and by storing this data separately from the raw research data.
- random identification codes will be created to link the pseudonymized file with the personal data and the raw data files.
- the data will be fully anonymized by deleting the files with personal data (e.g. payment). Participants will be informed that after anonymization, they cannot revoke their consent to use their data anymore.
- participants will be asked for their informed consent to collect their data.
- participants will be asked for their informed consent to collect and share the pseudonymized data with other researchers.
- participants will be informed that the anonymized data will be shared with other researchers in the informed consent.

Tech transfer

The obtained data have little potential for tech transfer and valorization.

Personal data

On top of the data provided above, in case of paid participation, we will collect the following personal data:

Name, last name, address, bank account number. (+ e-mail address if they want to be informed about the results of the study)

This information will only be used for payment and will never be linked to any of the results. The information is deleted after the payment was successful.

Do existing 3rd party agreements restrict exploitation or dissemination of the data you (re)use (e.g. Material or Data transfer agreements, Research collaboration agreements)? If so, please explain in the comment section to what data they relate and what restrictions are in place.
□ Yes
⊠ No
Are there any other legal issues, such as intellectual property rights and ownership, to be managed related to the data you (re)use? If so, please explain in the comment section to what data they relate and which restrictions will be asserted.
□ Yes
⊠ No

DOCUMENTATION AND METADATA

The following files will be saved in the same folder as the dataset:

- Project documentation will be provided in a readme file in OSF. This file will include the project name, keywords, name of involved researchers and their ORCID ID, name of funder, DOIs of shared datasets, links to publications.
- The data preparation and statistical analyses will be documented in an annotated analysis code file (e.g., R code file). The version of the used software will be documented in the analysis file. R Markdown will be used as much as possible to ease the comprehension between the text and the code.
- The recruitment strategy, the participant inclusion criteria, instructions and procedure of the study, references to questionnaires, experimental procedures, manipulations, task, measurement methods, stimulus set, technical specifications/set up details, software versions, used in the study will be provided in the publication. A link to the publication will be added to the project documentation.

Will a metadata standard be used to make it easier to find and reuse the data? If so, please specify which metadata standard will be used.
If not, please specify which metadata will be created to make the data easier to find and reuse.
□ Yes ☑ No

Project metadata will be created when registering the project on OSF.

DATA STORAGE & BACK-UP DURING THE RESEARCH PROJECT

Where will the data be stored?

The data will be stored on OneDrive provided by KU Leuven. As well as hardware from the KU Leuven (testing laboratory).

How will the data be backed up?

There will be standard back-up provided by KU Leuven ICTS for my storage solution.

As the size of all data files do not exceed the available individual storage space of 2 TB (OneDrive) and the available shared storage space of 100 GB, there is sufficient storage and backup capacity during the project.

How will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?

Multi-factor authentication is activated for the KU Leuven login of all researchers having access to the data. If sharing with co-authors or colleagues is necessary, a OneDrive folder will be shared.

Digital data will be stored in a shared folder on OneDrive and a shared J: drive, which can only be accessed by the PI, the ICTS lab responsible and the researcher.

Offline copies of digital data will be stored on encrypted media (e.g., USB sticks). Analogue data (e.g., informed consent forms) will be stored in a locked cupboard.

What are the expected costs for data storage and backup during the research project? How will these costs be covered?

There are no costs expected as the size of the data files does not exceed the available storage space.

DATA PRESERVATION AFTER THE END OF THE RESEARCH PROJECT

Which data will be retained for at least five years (or longer, in agreement with other retention policies that are applicable) after the end of the project? In case some data cannot be preserved, clearly state the reasons for this (e.g. legal or contractual restrictions, storage/budget issues, institutional policies...).

Participants' contact information, payment information, analogue data with a digital equivalent (e.g., paper and pencil questionnaires) will be deleted after the project is finished as they contain personal data that are not relevant anymore for the research project.

All other data will be preserved for 10 years according to KU Leuven RDM policy.

Where will these data be archived (stored and curated for the long-term)?

The data will be archived on a shared network drive (J-drive).

What are the expected costs for data preservation during the expected retention period? How will these costs be covered?

The expected costs will be covered by the lab (Brain & Cognition, Experimental psychology).

DATA SHARING AND REUSE

Will the data (or part of the data) be made available for reuse after/during the project? In the comment section please explain per dataset or data type which data will be made available.

☐ Yes, in a restricted access repository (after approval, institutional access only,)
in the structed access repository (after approval, institutional access only,)
□ No (closed access)
□ Other, please specify:

Open Science Framework

Are there any factors that restrict or prevent the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)? Please explain in the comment section per dataset or data type where appropriate.
 □ Yes, privacy aspects □ Yes, intellectual property rights □ Yes, ethical aspects □ Yes, aspects of dual-use □ Yes, other ☒ No
 There are no restrictions to share the pseudonymized data as the data do not contain highly sensitive information and participants gave their informed consent to share these data with other researchers.
Where will the data be made available? If already known, please provide a repository per dataset or data type.
The data will be made available on OSF.
When will the data be made available?
The data will be made available upon publication of the research results.
Which data usage licenses are you going to provide? If none, please explain why.
The data will be published under a CC-BY 4.0 license /Data Transfer Agreement /MIT licence / GHI GPL-3.0 (code).
Do you intend to add a PID /DOI/accession number to your dataset(s)? If already available, you have the option to provide it in the comment section. □ Yes □ No
Since all the information will be accessible in one project on OSF, this is not necessary. A link to the OSF projects will be provided in the publications.
What are the expected costs for data sharing? How will these costs be covered?
No costs are expected (use of the Open Science Framework is free of costs).
RESPONSIBILITIES Who will manage data documentation and metadata during the research project?
The PI will manage data documentation and metadata during the project supported by the other involved researchers.

Who will manage data storage and backup during the research project?

The PI will manage data storage and backup during the project supported by the other involved researchers.

Who will manage data preservation and sharing?

The PI will manage data preservation and sharing supported by the other involved researchers.

Who will update and implement this DMP?

The PhD student and PI will update and implement this DMP supported by the other involved researchers.