Resolving ambiguity in everyday life: A multi-method longitudinal investigation of the nature and socio-affective consequences of inflexible negative interpretations linked to depressive symptoms

Project Name Resolving ambiguity in everyday life: A multi-method longitudinal investigation of the nature and socio-affective consequences of inflexible negative interpretations linked to depressive symptoms. - Resolving ambiguity in everyday life: A multi-method longitudinal investigation of the nature and socio-affective consequences of inflexible negative interpretations linked to depressive symptoms

Project Identifier 1202122N

Grant Title 1202122N

Principal Investigator / Researcher Jonas Everaert

Project Data Contact Jonas Everaert, jonas.everaert@kuleuven.be

Institution KU Leuven

1. General Information

Name applicant

Jonas Everaert

FWO Project Number & Title

1202122N - Resolving ambiguity in everyday life: A multi-method longitudinal investigation of the nature and socio-affective consequences of inflexible negative interpretations linked to depressive symptoms.

Affiliation

- KU Leuven

2. Data description

Will you generate/collect new data and/or make use of existing data?

- Generate new data

Describe in detail the origin, type and format of the data (per dataset) and its (estimated) volume. This may be easiest in a table (see example) or as a data flow and per WP or objective of the project. If you reuse existing data, specify the source of these data. Distinguish data types (the kind of content) from data formats (the technical format).

type of data	format	volume	how created	digital
Self-reported questionnaire data	.xlsx	10 MB	Participants complete multiple baseline questionnaires about their soical network, psychological well-being in online surveys (via Qualtrics).	yes
Smartphone sensor data	xlsx	500 GB	Passive sensing of behavior via GPS, Bluetooth, phone logs in everyday life (using the app m-path.io)	yes
Experience sampling data (numerical)	.xlsx	50 MB	Repeatedly instruct participants to complete momentary survey about their interpretations, emotions, behavior, and social experiences in everyday life via their smartphone (using the app m-path.io).	yes

3. Legal and ethical issues

Will you use personal data? If so, shortly describe the kind of personal data you will use. Add the reference to your file in KU Leuven's Register of Data Processing for Research and Public Service Purposes (PRET application). Be aware that registering the fact that you process personal data is a legal obligation.

- Yes

Privacy Registry Reference:***G-2022-4817***
Short description of the kind of personal data that will be used: (1) demographic information (age, gender, ethnicity, marital status), (2) Questionnaire measures including depressive symptoms, social networks, interpersonal behavior and problems, (3) Behavioral data generated during mobile cognitive tasks (i.e. endorsement ratings), (4) Mobile sensor data (phone logs, GPS, Bluetooth), (5) Momentary assessment measures including mood states, social stress, and social behavior, and (6) Participant observation notes created by the research team.

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? If so, add the reference to the formal approval by the relevant ethical review committee(s)

- Yes

Ethical approval has been resquested at the SOCIAL AND SOCIETAL ETHICS COMMITTEE.

Does your work possibly result in research data with potential for tech transfer and valorisation? Will IP restrictions be claimed for the data you created? If so, for what data and which restrictions will be asserted?

- No

Do existing 3rd party agreements restrict dissemination or exploitation of the data you (re)use? If so, to what data do they relate and what restrictions are in place?

- No

4. Documentation and metadata

What documentation will be provided to enable reuse of the data collected/generated in this project?

For each study, we will create a separate folder that contains the following information:
1. Read me.docx: In this word-document, we will discuss which researchers were involved in the collection of the data (e.g., master students, contact persons from psychiatric hospitals, etc.), the ethical approval (reference number & institution), a short overview of the study course and protocol, which questionnaires we administered and their variable labels, and short written information on the data cleaning process and steps.
2. Codebook.xlsx: In this excel-document, we will provide pseudonymized baseline information about all participants that were enrolled in the study (e.g., age, gender, native language, which phases of the study they completed and when, whether they completed the entire study or dropped-out, their compliance, other remarks, etc.). We also provide specific information about the questionnaires we administered (i.e., number of items, reference, their variable labels, ranges and description). Finally, we provide some basic summary statistics (e.g., gender and age distribution, number of participants per condition, overall study compliance, etc.).
3. Folder with all the study documents: Ethical application and approval, informed consent example, the instructions we gave participants. The PDF of all questionnaires (both baseline and ESM) will be included.
4. Pre-processing documents: The raw data (pseudonymized), a reproducible syntax / code to clean the data in to .xlsx files that are ready for data-analysis.
The folder will never contain sensitive (identifiable) participants information such as names, contact details, etc.

Will a metadata standard be used? If so, describe in detail which standard will be used. If no, state in detail which metadata will be created to make the data easy/easier to find and reuse.

- No

The meta-data will consist of a Read me.docx, Codebook.xlsx, syntax to process the raw data into files that are ready for analysis, and a folder with all the study documents (e.g., Informed consent, ethical approval, etc.) to further contextualize the collection of the data underlying our publications. See previous question for more detailed information.

5. Data storage and backup during the FWO project

Where will the data be stored?

Personal information, baseline, ESM surveys, and sensor data will be stored with a unique participant number, ensuring pseudonymization.
Restricted and sensitive data (e.g. personal information, contact information, the informed consent, etc.) will be stored separately on an encrypted password-protected personal I-drive of the KU Leuven for the duration of this project, and can only be accessed by the main researchers of this project.
Data from surveys, experience sampling, and mobile sensors will be pseudonymized via this participant number and securely stored on a shared and encrypted network J-drive, and is only accessible to involved researchers using their employee ID. Both drives are backed-up automatically to prevent loss of data.

How is backup of the data provided?
The data will be stored on the KU Leuven central servers with automatic daily back-up procedures.

Is there currently sufficient storage & backup capacity during the project? If yes, specify concisely. If no or insufficient storage or backup capacities are available then explain how this will be taken care of.

- Yes

KU leuven storage drives have sufficient capacity. Therefore we do not anticipate insufficient storage or backup limitations.

What are the expected costs for data storage and back up during the project? How will these costs be covered?
No costs are expected.

Data security: how will you ensure that the data are securely stored and not accessed or modified by unauthorized persons?
Both the I-drive and J-drive are fully encrypted and password-protected (only accessible to involved researchers using their employee ID).

6. Data preservation after the FWO project

Which data will be retained for the expected 5 year period after the end of the project? In case only a selection of the data can/will be preserved, clearly state the reasons for this (legal or contractual restrictions, physical preservation issues, ...).
After data collection is finished for a study, all identifiable information will be deleted (i.e., participants' names, contact details, bank account, etc.) because this information will no longer be relevant or required for study purposes. All other information will be retained for at least 10 years, conform the KU Leuven RDM policy.

Where will the data be archived (= stored for the longer term)?
The data will be stored on the university's central servers (with automatic back-up procedures) for at least 10 years, conform the KU Leuven RDM policy.

What are the expected costs for data preservation during the retention period of 5 years? How will the costs be covered?
All datasets will be archived on the servers of KU Leuven. Possible expenses to host these servers are always covered by the research group, but are expected to fall within normal cost ranges (based on the volume of the datafiles).

7. Data sharing and reuse

Are there any factors restricting or preventing the sharing of (some of) the data (e.g. as defined in an agreement with a 3rd party, legal restrictions)?

- No

Which data will be made available after the end of the project?
The full pseudonymized dataset will be available for colleague researchers for meta-analytic projects upon request (and signing a data-sharing agreement). For reviewers and readers of our published articles a trimmed and pseudonymized dataset (i.e., only containing the variables required to reproduce our results) will be uploaded in a .csv or .xlsx format to the Open Science Framework under a CC-BY license alongside full dataset documentation. Participants' personal information (e.g., contact information, names, etc.) or audio files will never be shared.

Where/how will the data be made available for reuse?

For meta-analytic projects researchers can request the full pseudonymized dataset via email, and will receive these after signing a data-sharing agreement.
For published papers, a trimmed and pseudonymized dataset (i.e., only containing the variables required to reproduce our results) will be uploaded in a .csv or .xlsx format to the Open Science Framework under a CC-BY license alongside full dataset documentation.
Participants' personal information (e.g., contact information, names, etc.) or audio files will never be shared.

When will the data be made available?

A trimmed and pseudonymized dataset (i.e., only containing the variables required to reproduce our results) will be uploaded in a .csv or .xlsx format to the Open Science Framework under a CC-BY license alongside full dataset documentation at the time of submitting a related manuscript to a journal.

Who will be able to access the data and under what conditions?

The trimmed dataset will be uploaded in a .csv format at the Opens Science Framework as an open access dataset under a CC-BY license. Therefore, it will be available to anyone for any purpose, provided that they give appropriate credit to the creators.
The full dataset will be available only for meta-analytic projects upon e-mail request, and after signing a data sharing agreement in which the researcher states he will give appropriate credit to the creators.

What are the expected costs for data sharing? How will the costs be covered?

Sharing data at the Open Science Framework is free.

8. Responsibilities

Who will be responsible for data documentation & metadata?

The PI: Jonas Everaert.

Who will be responsible for data storage & back up during the project?

The PI: Jonas Everaert.

Who will be responsible for ensuring data preservation and reuse ?

The PI: Jonas Everaert.

Who bears the end responsibility for updating & implementing this DMP?

The PI bears the end responsibility of updating & implementing this DMP.