

## Values attached to agency and communion as central interpersonal factors for explaining (heterogeneity in) depression

### Research Data Summary

List and describe all datasets or research materials that you plan to generate/collect or reuse during your research project. For each dataset or data type (observational, experimental etc.), provide a short name & description (sufficient for yourself to know what data it is about), indicate whether the data are newly generated/collected or reused, digital or physical, also indicate the type of the data (the kind of content), its technical format (file extension), and an estimate of the upper limit of the volume of the data.

Dataset name / ID	Description	New or reuse	Digital or Physical data	Data Type	File format	Data volume	Physical volume
		<i>Indicate: N(ew data) or E(xisting data)</i>	<i>Indicate: D(igital) or P(hysical)</i>	Indicate: Audiovisual Images Sound Numerical Textual Model SOftware Other (specify)		Indicate: <1GB <100GB <1TB <5TB >5TB NA	
Cross-sectional Study	Data from a cross-sectional online survey where participants will complete several background questionnaires and respond to 8 different written scenarios	New	Digital	Numerical	.csv, .sav, .xlsx	< 100 MB	
Clinical Study - Experience Sampling Methodology	ESM study where couples rate their own and partner's agentic and communal behavior, and affect	Ongoing data collection	Digital	Numerical	.csv, .sav, .xlsx	< 100 MB	
Clinical study- Lab interaction	Same participants in Clinical Study-Experience Sampling Methodology. Lab interactions with self-reported experience (video-mediated continuous recall of agentic and communal behaviors)	Ongoing data collection	Digital	Numerical	.csv, .sav	< 100 MB	
Experience sampling study	ESM study where participants report on experiences in social interactions	New	Digital	Numerical	.csv, .sav, .xlsx	< 100 MB	
Analytical Syntaxes	R syntaxes for analyzing, and pre-processing data	New	Digital	Numerical	.R, .Rmd	< 100 MB	
Couple_ESM2014	ESM data from 50 couples where they reported affect, own and partner agentic and communal behavior	Reuse	Digital	Numerical	.csv, .sav, .xlsx	< 100 MB	

If you reuse existing data, please specify the source, preferably by using a persistent identifier (e.g. DOI, Handle, URL etc.) per dataset or data type:

In this project, one empirical data set is reused. The data was collected from couples in 2014-2015, using experience sampling methodology.

Sels L., Ceulemans E., Kuppens P. (2017). Partner-expected affect: How you feel now is predicted by how your partner thought you felt before. *Emotion*, 17 (7), 1066-1077. doi: 10.1037/emo0000304.

**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, refer to specific datasets or data types when appropriate and provide the relevant ethical approval number.**

- Yes, human subject data (Provide SMEC or EC approval number below)

We conducted additional analyses on data gathered with ethical approval from KU Leuven. This dataset (see previous question) is pseudonymized by others using participants numbers.

The ongoing data collection on clinical and control couples has been approved by the Ethische Commissie Onderzoek UZ/KU Leuven Reference number: (S67680 - B3222022001161).

**Will you process personal data? If so, please refer to specific datasets or data types when appropriate and provide the KU Leuven or UZ Leuven privacy register number (G or S number).**

- Yes (Provide PRET G-number or EC S-number below)

Ratings of agentic and communal behaviors in ESM studies and questionnaire responses are encoded with participant numbers. Participant-identifying details like names and email addresses are stored separately from the collected data. A password-protected document connects participant numbers to this identifying information, accessible only to the researchers requiring it for the study's execution.

**Does your work have potential for commercial valorization (e.g. tech transfer, for example spin-offs, commercial exploitation, ...)? If so, please comment per dataset or data type where appropriate.**

- No

**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.**

- 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.**

- No

#### **Documentation and Metadata**

**Clearly describe what approach will be followed to capture the accompanying information necessary to keep data understandable and usable, for yourself and others, now and in the future (e.g. in terms of documentation levels and types required, procedures used, Electronic Lab Notebooks, README.txt files, codebook.tsv etc. where this information is recorded).**

Documentation: A separate folder will be established containing the following items:

Readme.txt: This document will outline the researchers involved in data collection (e.g., master students), ethical approval details (including reference number and institution), a concise overview of the study course and protocol, administered questionnaires with their variable labels, and brief notes on the data cleaning procedures.

**Codebook.xlsx:** This Excel document will present pseudonymized baseline data of all study participants, including information such as age, gender, study phase completion status, dropout status, compliance, and any additional remarks. Detailed information on administered questionnaires, including item count, references, variable labels, ranges, and descriptions will also be provided.

**Pre-processing documents:** This folder will store the pseudonymized raw data and a reproducible syntax/code for data cleaning into .xlsx files suitable for analysis. The documents will not contain any sensitive or identifiable participant information such as names, contact details, or audio files of interviews.

**Folder with study documents:** This folder will contain ethical application and approval documents, informed consent examples, and PDF versions of all questionnaires.

**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.**

- No

The metadata will include a Readme.txt, Codebook.xlsx, syntax for processing raw data, and a folder containing all study documents (e.g., ethical approval, study materials etc.).

## **Data Storage & Back-up during the Research Project**

**Where will the data be stored?**

- Shared network drive (J-drive)

The data will be stored in the J: drive, which is a restricted network share accessible solely to the designated researchers. All drives are under the management of KU Leuven personnel, adhering to the general and ICT codes of conduct set forth by KU Leuven.

To support pseudonymisation, the pseudonymized data and personally identifiable information are stored in separate files. The file with the personally identifiable information are only accessible to the researchers involved in data collection and the PI. All other researchers will have access only to the pseudonymized data.

**How will the data be backed up?**

- Standard back-up provided by KU Leuven ICTS for my storage solution

**Is there currently sufficient storage & backup capacity during the project?**

**If no or insufficient storage or backup capacities are available, explain how this will be taken care of.**

- Yes

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

The ICT solutions implemented at KU Leuven must adhere to the university-wide standards for ICT information security. As stated above, the data will be stored in J: drive which is a restricted network share accessible only to the researchers involved in data collection. The personally identifiable information will be only accessible to researchers involved in the data collection and the PI. All other researchers who will use the data will have access to the pseudonymized data.

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

The funding for necessary storage is afforded by KU Leuven.

**Data Preservation after the end of the Research Project**

**Which data will be retained for 10 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...).**

- All 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)?**

- Shared network drive (J-drive)

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

**Data Sharing and Reuse**

**Will the data (or part of the data) be made available for reuse after/during the project?**

**Please explain per dataset or data type which data will be made available.**

- Yes, as restricted data (upon approval, or institutional access only)

The full pseudonymized dataset will be available for colleague researchers upon request. We plan to upload the pseudonymized dataset, only containing the variables used in the studies, to OSF for reviewers and readers. Personal information of the participants will never be shared.

**If access is restricted, please specify who will be able to access the data and under what conditions.**

For use of the data in other projects, researchers can request the pseudonymized data through email. Upon signing a data-sharing agreement, the data will be provided. In OSF, pseudonymized dataset with only variables of interest in the study will be present.

**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 per dataset or data type where appropriate.**

- No

**Where will the data be made available?**

**If already known, please provide a repository per dataset or data type.**

- Other data repository (specify below)

The full pseudonymized dataset will be available for colleague researchers upon request. We plan to upload the pseudonymized dataset, only containing the variables used in the studies, to OSF for reviewers and readers. Personal information of the participants will never be shared.

**When will the data be made available?**

- Upon publication of research results

**Which data usage licenses are you going to provide?**

**If none, please explain why.**

- CC-BY 4.0 (data)

**Do you intend to add a persistent identifier (PID) to your dataset(s), e.g. a DOI or accession number? If already available, please provide it here.**

- Yes, a PID will be added upon deposit in a data repository

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

None.

## **Responsibilities**

**Who will manage data documentation and metadata during the research project?**

Rana Begum Kalkan and Peter Kuppens

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

Rana Begum Kalkan, Peter Kuppens, and Kristof Meers

**Who will manage data preservation and sharing?**

Rana Begum Kalkan, Peter Kuppens

**Who will update and implement this DMP?**

Rana Begum Kalkan, Peter Kuppens