Does feeling holier than others make one more or less moral? The effect of the belief in moral self-superiority on moral judgment, action, and sanctioning.

A Data Management Plan created using DMPonline.be

Creators: Vera Hoorens, n.n. n.n.

Affiliation: KU Leuven (KUL)

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Principal Investigator: n.n. n.n., Vera Hoorens

Data Manager: n.n. n.n., Vera Hoorens

Project Administrator: n.n. n.n., Vera Hoorens

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Project abstract:

Most people believe that they possess morally good traits more, and morally bad traits less, than others (moral self-superiority). However, little is known about how this moral self-superiority plays out in terms of moral judgments, moral actions, and responses to moral actions of others. Exploring these effects may be consequential because of the influence of people's self-views on their behavior, the fundamentally comparative nature of these self-views, and the robust and general evidence for moral self-superiority. Moreover, moral choices are ubiquitous in everyday life and almost all large-scale societal challenges have a moral component, from curbing pandemics to fighting poverty. Two competing hypotheses may be derived from the literature on moral behavior. One states that moral self-superiority discourages morally good choices, reduces appreciation for other people's morally good choices, and enhances disapproval of their morally bad ones. The other states that moral self-superiority facilitates morally good actions and inspires generosity and leniency towards others. In this social psychological project we will pit the two perspectives against each other in a series of experiments and a longitudinal study. We will thus learn whether moral self-superiority ironically undermines people's morality or amplifies people's morality, an insight of great relevance in the domains of education, management, mental health, and personal growth.

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Application DMP

Questionnaire

Describe the datatypes (surveys, sequences, manuscripts, objects …) the research will collect and/or generate and /or (re)use. (use up to 700 characters)

We added the information below to the DMP Online platform after FWO had granted our application (as DMP Online was launched after the submission date). Rather than literally copying the information from our original application, we here report an updated version on the basis of the actual DMP. This information deviates from the information in the grant application due to, e.g., progressive insights in recommended data types.

All data will be newly generated.

The project will generate, per study:

- Experimental materials or surveys (Informed consent, protocol, measurement instruments, debriefing)
- Ethical and juridical (i.e., GDPR/privacy) clearance application and approval files
- Preregistration file
- Experimental or survey data, plus a codebook to accompany the data file
- Syntax file
- Output file
- [Depending on participant recruitment: possibly file with contact information]

The project will also generate (per combination of studies):

- Publication manuscripts
- Conference presentations
- Outreach (dissemination) activities

The experimental/survey data files and _contact files will include personal data.

File types:

- Original files : .docx (texts), .sav (experimental/longitudinal data), .sps (statistical syntax), .spv (output of statistical analyses), .xlsx (contact information), .ppx (presentations)
- Portable types : .pdf (texts, presentations), .txt (texts), .dat (experimental/longitudinal data), .csv (experimental/longitudinal data), .rtf (syntax)

Size: < 500GB.

Specify in which way the following provisions are in place in order to preserve the data during and at least 5 years after the end of the research? Motivate your answer. (use up to 700 characters)

The information below is an updated version of the information in the grant application. The only change is that it is more detailed.

1. Designation of responsible person (If already designated, please fill in his/her name.) Vera Hoorens - Head of LESP & PI
2. Storage capacity/repository as per KU Leuven policy (access between brackets):
    1. During:
        1. KULeuven OneDrive for Business (research team)
        2. Shielded space on J:-drive KU Leuven (research team)
        3. Personal device of PIs (involved PI)
    2. During & After, duration:
        1. Preregistrations: OSF Frankfurt (public), in principle indefinitely
        2. Ethical/privacy clearance documents (research team, SMEC & DPO): PRET-platform KULeuven, at least 10 years after the project
    3. After (public), duration after comma:
        1. Publications: Lirias Repository, in principle indefinitely
        2. Anonymized datasets, codebooks, syntax, output: KULeuven Research Data Repository (RDR), at least 10 years after the project

What's the reason why you wish to deviate from the principle of preservation of data and of the minimum preservation term of 5 years? (max. 700 characters)

The information below is an updated version of the information in the approved grant application. The only change is that it is more detailed.

We do not intent to deviate from the principle. In fact, we will preserve all but one type of datasets for at least 10 years. The exception involves the _contact files. We will delete these as soon as possible.

Are there issues concerning research data indicated in the ethics questionnaire of this application form? Which specific security measures do those data require? (use up to 700 characters)

Below, we literally copy information from the approved grant application.

We will gain participants' consent for storing data at least 10 years and sharing anonymous data. In Study 4, we will link the data of the waves with codes chosen by respondents or assigned by the managers of the platform/panel. We will enter binding written agreements with the managers of data collection platforms or participant panels that they shall not disclose identifications to us and that they will not access the dataset. Students involved in the research will sign confidentiality agreements and only have access to variables relevant to, and for the duration of their tasks. Researchers' temporary workfiles will be on encrypted drives. Datafiles on RDR will not include personal data.

Which other issues related to the data management are relevant to mention? (use up to 700 characters)

Below, we literally copy information from the approved grant application.

We will submit an ethical application to the Social and Societal Ethics Committee KU Leuven (SMEC) and via that register the project/studies in KU Leuven's Register of Data Processing for Research and Public Service Purposes. For transparency, we will pre-register the studies on OSF. The data stored on RDR will have a persistent identifier and rich meta-data, and come with a create commons license. Besides storing files as described above, we will submit the data underlying the results reported in specific papers as supplemental materials with those papers. Our readiness to share materials has already been shown (cf. http://www.psychfiledrawer.org/files/8291448480580more_less_replication).

DPIA

Have you performed a DPIA for the personal data processing activities for this project?

- Not applicable

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GDPR

Have you registered personal data processing activities for this project?

- Not applicable

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Does feeling holier than others make one more or less moral? The effect of the belief in moral self-superiority on moral judgment, action, and sanctioning.
FWO DMP (Flemish Standard DMP)

1. 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.

The project will include 6 studies. Because the datasets will be structured identically across studies, we here describe the datasets once per type of dataset / study.
The names of the datasets are construed as follows:
Moral_[study]_[type]
where Moral = Short project name
[study] = the number of the study in the project
[type] = the type of data
The table summarizes the datasets that will in any case be construed. There may be more datasets, given that we will replicate at least some of the studies in special interest groups. These datasets will then have the same name as the replicated study, but have names starting with 'Moral_Rep' rather than 'Moral_'

				Only for digital data	Only for digital data	Only for digital data	Only for physical data
Dataset Name	Description	New or reused	Digital or Physical	Digital Data Type	Digital Data format	Digital data volume (MB/GB/TB)	Physical volume
		Please choose from the following options: • Generate new data • Reuse existing data	*Please choose from the following options:* • Digital • Physical	*Please choose from the following options:* • Observational • Experimental • Compiled/aggregated data • Simulation data • Software • Other • NA	*Please choose from the following options:* • .por, .xml, .tab, .cvs,.pdf, .txt, .rtf, .dwg, .gml, … • NA	*Please choose from the following options:* • <100MB • <1GB • <100GB • <1TB • <5TB • <10TB • <50TB • >50TB • NA	
Moral_1_mat Moral_2_mat Moral_3_mat Moral_5_mat Moral_6_mat Experiments	Materials (1/study): Information for informed consent Experimental protocol, incl. manipulations, instructions, stimuli, self-developed measures, references to published measures of dependent variables and individual differences, software version Debriefing information	New	Digital	Textual and graphical Construed in MSWord by the research team (for actual use in study entered in Qualtrics, Inquisit, or PsychoPy).	.docx, .pdf (original+open)	<100MB	
Morality_4_mat Longitudinal study	Materials: Information for informed consent Surveys used in each wave, incl. tasks, self-developed measures, references to published measures of individual differences, software version Debriefing information	New	Digital	Textual and graphical Construed in MSWord by the research team (for actual use in study entered in Qualtrics, Inquisit, or PsychoPy).	.docx, .pdf (original+open)	<100MB	
Moral_1_eth_appli Moral_2_eth_appli Moral_3_eth_appli Moral_4_eth_appli Moral_5_eth_appli Moral_6_eth_appli	Ethical/juridical clearance application (1/study), incl. informed consent form, information on participant recruitment, inclusion criteria	New	Digital	Textual Construed online on the submission portal of SMEC and downloaded by research team.	.pdf	<100MB	
Moral_1_eth_appr Moral_2_eth_appr Moral_3_eth_appr Moral_4_eth_appr Moral_5_eth_appr Moral_6_eth_appr	Confirmation ethical/juridical clearance (1/study)	New	Digital	Textual Prints of mails from Social and Societal Ethical Committee	.pdf	<100MB	
Moral_1_pre Moral_2_pre Moral_3_pre Moral_4_pre Moral_5_pre Moral_6_pre	Preregistration on Open Science Framework (1/study)	New	Digital	Textual Construed in MSWord by research team	.docx, .pdf (original+open)	<100MB	
Moral_1_data Moral_2_data Moral_3_data Moral_5_data Moral_6_data	Participants' responses to experimental tasks, process measures, suspicion probes, demographics, individual differences (1/study)	New	Digital	Textual and numerical Responses of participants	.sav, .dat|.csv (original+open)	<100MB	
Moral_4_data	Participants' responses to surveys, incl. demographics	New	Digital	Textual and numerical Responses of participants	.sav, .dat|.csv (original+open)	<100MB	
Moral_1_code Moral_2_code Moral_3_code Moral_4_code Moral_5_code Moral_6_code	Codebook incl. information on data collection procedures and events, explanation of variables in _data files (1/study)	New	Digital	Textual, numerical Construed in MS Word by research team	.docx, .pdf (original+open)	<100MB	

Moral_1_syntax Moral_2_syntax Moral_3_syntax Moral_4_syntax Moral_5_syntax Moral_6_syntax	Syntax of data analysis, annotated (1/study)	New	Digital	Software	.sps, .txt (original+open)	<100MB	
Moral_1_output Moral_2_output Moral_3_output Moral_4_output Moral_5_output Moral_6_output	Output of analysis (1/study)	New	Digital	Textual, numerical, graphical Construed by applying syntax to data	.spv, .rtf|.pdf (original+open)	<100MB	
Moral_1_contact Moral_2_contact Moral_3_contact Moral_5_contact Moral_6_contact	Contact information participants, cf. question 2	New	Digital	Textual Observational	.sav, .xlsx, .csv (original+open)	<100MB	
Moral_4_contact	Pseudonyms of participants in longitudinal study, contact information	New	Digital	Textual Observational	.sav, .xlsx, .csv (original+open)	<100MB	
Morality_DRM	Data Management Plan	New	Digital	Textual Construed by research team using DMP Online	.docx, .pdf (original+open)	<100MB	
Moral_paper_1 Moral_paper_2 Moral_paper_3 Moral_paper_4 Moral_paper_5	Manuscript based on research (n=5)	New	Digital	Textual Written by research team	.docx, .pdf (original+open)	<100MB	
Moral_pres_[n] [n] = number	Conference presentation (exact number still unknown)	New	Digital	Textual / graphical Prepared by research team	.ppx, .pdf	<100MB	
Morality_outreach	Overview of dissemination activities (with links to media appearances or appendices)	New	Digital	Textual	.docx, .pdf	<100MB	

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:

Not applicable

Are there any ethical issues concerning the creation and/or use of the data (e.g. experiments on humans or animals, dual use)? Describe these issues in the comment section. Please refer to specific datasets or data types when appropriate.

- Yes, human subject data

Yes, as we will collect personal data. We will apply for ethical and GDPR clearance for that from the Social and Societal Ethical Committee (SMEC) during the preparation of each study. We will appropriately update both the DMP and the Compliance Monitoring Tool form (E-2023-3783) with the relevant SMEC-numbers.
The files with the suffix _data will contain participants' responses to experimental tasks and surveys. In addition, these files will include demographic data, which will at least include gender, age, and educational level, but may also include professional activity, political views, and/or religiosity. These data will be collected on adult healthy volunteers, who will have given informed consent (opt-in approach).
We are not yet certain if we will need to create all listed _contact datasets. If participants are from the iVox panel or from a platform like Prolific, we will not need them. If we are forced to recruit participants directly (e.g., if we need to include participants who are students participating for course credit), we will create _contact files for the administration of participant rewards. These files will include e-mail addresses, names, and/or participant codes (e.g., EMS numbers). The dataset Moral_4_contact will then contain the most sensitive information because it will contain the pseudonyms of the participants in the longitudinal study.
We will delete the _contact datafiles as soon as possible. In the case of students who participate for course credit, this is right after they have been rewarded. In the case of paid participants, it is immediately after financial reporting about the study at hand to FWO has taken place.

Will you process personal data? If so, briefly describe the kind of personal data you will use in the comment section. Please refer to specific datasets or data types when appropriate.

- Yes

The personal data being included in the _data files will, in all studies, at least include gender, age, and educational level, but may also include professional activity, political views, and/or religiosity.
The _contact files may include e-mail addresses, names, and/or participant codes (e.g., EMS numbers), and in the case of Moral_4_contact the pseudonyms of the participants in the longitudinal study.

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

Not applicable.

Do existing 3rd party agreements restrict exploitation or dissemination of the data you (re)use (e.g. Material/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

We will enter a collaboration agreement between KU Leuven and University of Oregon. The intellectual property rights of the datasets will per this agreement be shared by those members of the research team who contribute to them. As per FWO regulations, this agreement will be formalized in the first 9 months of the project.

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

Not applicable.

2. 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).

Introduction
We will organize the files in an overarching DRM folder called Morality. It will include

1. A copy of this Data Management Plan (Morality_DMP)
2. A DRM folder per study (Morality_[number of study]), to hold all files of the involved study
3. A publications folder (Morality_Publication) to hold the _paper, _pres, and _outreach files

Information at the level of each study
The DRM folder of each study will include a README file in .txt format, named Morality_[number of study]_README. To create the README files we will fill out the template on   README files - Research Data Management (kuleuven.be). They will in any case include the project name, keywords, name of involved researchers and their ORCID ID, name of funder, funding code, start- and end date of the project, DOIs of shared datasets, creative common license, the link to the preregistration on OSF, approval/registration code of ethical committee, links to publications. We will also add the version of the software used to analyze the experimental data.
For version control procedures of defining milestones (e.g., draft, final) and subversions (e.g., V1, V2,…) will be implemented.

Information at the level of variables in _data files
Each dataset with a name ending on '_data' (= datasets with experimental or longitudinal data) will go accompanied by a codebook (dataset ending on '_code') that will be stored in the same folder (see Question 1). Because the '_data' and '_code' files will have identical names except for that part of the name and because they will be stored together, it will be clear which ones will belong together.

Information at the level of papers and conference presentations
For ease of cross-reference between publications and studies, the publications folder will include, per _paper and _pres file, a simple README file in .txt format, named Morality_paper_[n]_ or Morality_pres_[n], respectively. This file will include links to the studies whose data were used for that publication. If applicable, the file will detail which part of the data from a study were used for that particular publication.

Will a metadata standard be used to make it easier to find and reuse the data? If so, please specify (where appropriate per dataset or data type) which metadata standard will be used. If not, please specify (where appropriate per dataset or data type) which metadata will be created to make the data easier to find and reuse.

- Yes

Because we will upload the datasets in KU Leuven's RDR, we will use the metadata standard used there: full-metadata-model (kuleuven.be).
We will for each dataset listed in the table under Question 1 fill out all required, recommended and optional fields except the following:
- alternative title field (there will not be an alternative title)
- alternative ID (there will be a single ID per dataset)

3. Data storage & back-up during the research project

Where will the data be stored?

All Datasets, insofar as they do not contain highly confidential information:

1. In a shared folder on KULeuven OneDrive for Business.
2. Storage facilities of the research unit at KU Leuven: In a shared folder on a J: drive.
3. Personal devices of PIs and PhD student working on the project.

The files above will only be accessible to the PIs and PhD student working on the project. The offline copies on personal devices will be on encrypted media only.
Datasets which include highly confidential information (e.g., _contact files) will be stored on a shielded J: drive, which can only be accessed by the data manager of the research unit.
Preregistrations (& other datasets during editorial phase of manuscripts, except _contact, _eth_appli, and _eth_appr): on the OSF server in Frankfurt.
Ethical/juridical clearance files: on KU Leuven's Digital Privacy & Ethics Platform (PRET).

How will the data be backed up?

The automatic version management in OneDrive provides a backup of up to 100 versions.
There will be 2 additional backups:

1. On a shielded network drive of KU Leuven (J: drive, with a daily automatic backup)
2. On an encrypted external hard disk owned by PI Vera Hoorens.

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

The available capacity on OneDrive for Business, the J-drive and personal devices of the PI Vera Hoorens is more than sufficient for the storage of all datasets pertaining to it.

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

OneDrive for Business is a Microsoft cloud solution to securely store documents and files. The files will only be accessible by the involved researchers. Only PI Vera Hoorens can provide team members access to the OneDrive folder of the project.
Access to the OneDrive for Business files and the files on the J:-drive will be protected by multifactor authentication with the KU Leuven Authenticator app.
All personal devices used for backups or on which the members of the research team will temporarily store data to conduct analyses offline will be Bitlocker-protected.
The links to OSF files will be read-only.

The data will be pseudonymized by removing highly sensitive data and storing these data separately from the research data on the shielded J: drive at KU Leuven. Access to these files will be controlled by the data manager, with PI Vera Hoorens as a backup. All other researchers who are involved in the project will have access to the pseudonymized data only.

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

No costs are expected.
All KU Leuven personnel has access to 2 TB of data storage for free on OneDrive. As the estimated sizes of the datasets <100 GB, sufficient storage and backup capacity is available.
PI Vera Hoorens possesses several hard disks with storage capacities that are large enough to hold the datasets of all her projects. In case additional hard disks are necessary or costs do arise, these will be covered with the obtained project funding.

4. 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...).

All datafiles, except those with the suffix '_contact', will be retained for at least 10 years, in compliance with KU Leuven RDM policy. The files with the suffix '_contact' will be deleted as soon as participants have been rewarded for their participation (or, if the reward is financial, when the project is finished and due financial reporting to FWO has taken place).

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

Besides the KU Leuven OneDrive for business, all datasets will be stored and curated for the long-term on the KU Leuven institutional Research Data Repository (RDR)   Research Data Repository (RDR) - RDR - Research Data Repository (kuleuven.be).
The datasets that will be uploaded on OSF will in principle be archived indefinitely. However, the main archive for most files will be RDR. The main archive for papers and conference presentations will be LIRIAS.

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

No costs are expected because of the limited size of the datasets. If costs arise nonetheless, they will covered with the obtained funding for the project and/or the research group of PI Vera Hoorens.

5. 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 an Open Access repository

We will make the datasets for the relevant studies and of the following types publicly available: _pre, _mat, _data, _code, _syntax, _output.
Publications will be made available through LIRIAS (and possibly also through other repositories, such as ResearchGate). Funding permitting, we will maximally publish Open Access such that publications are also openly available through the involved outlets.

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

The datasets that are listed under the previous question (i.e., datasets of the following types: _pre, _mat, _data, _code, _syntax, _output) will become publicly available after the publication of the involved research. These datasets will during the editorial process already be available to editors/reviewers of the publication outlets to which we submit manuscripts, under the condition that they should be kept confidential and only serve to inform an editorial decision.
There are no further restrictions to share the pseudonymized data as the data do not contain highly sensitive information and participants will have given informed consent to share these data with other researchers.

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

The datasets ending on '_contact' cannot be shared because of privacy issues.
The datasets ending on '_eth_appli' and '_eth_appr' will not be shared because the specific description of the intended samples may also create privacy issues.

Where will the data be made available? If already known, please provide a repository per dataset or data type.

KU Leuven institutional Research Data Repository (RDR): Research Data Repository (RDR) - RDR - Research Data Repository (kuleuven.be).
Publications will be made available through LIRIAS (and possibly also through other repositories, such as ResearchGate).

When will the data be made available?

The datasets (of the following types: _pre, _mat, _data, _code, _syntax, _output) will be made available after the involved studies have been accepted for publication. They will during and after the project thus gradually become available. At the end of the project, the data of unpublished studies will be made available after an embargo period of 5 years to give the research team enough time to consider publication after the end of the project.
These datasets will during the editorial process already be available to editors/reviewers of the publication outlets to which we submit manuscripts, under the condition that they should be kept confidential and only serve to inform an editorial decision.
Publications will become available on LIRIAS (or other repositories) as soon as the copyright agreement with the involved outlet allows. However, we will (funding permitting) maximally publish

Open Access such that publications immediately become available.

Which data usage licenses are you going to provide? If none, please explain why.

CC Attribution 4.0 International

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

DOIs will be available through RDR, but are not yet available.

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

RDR and LIRIAS are free for KU Leuven personnel, hence, no costs are expected for data sharing.

6. Responsibilities

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

The PhD researcher will manage the data, supervised and backed-up by PI Vera Hoorens

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

The PhD researcher will manage data storage and backup, supervised by PIs Vera Hoorens and Sara Hodges

Who will manage data preservation and sharing?

During the project, the PhD researcher will manage data preservation and sharing. After the project, PIs Vera Hoorens and Sara Hodges will do so.

Who will update and implement this DMP?

The PhD researcher will update this DMP, with PIs Vera Hoorens and Sara Hodges bearing the final responsibility.