Body Image and Youth with Visible Differences: Exploring the Role of Social Media

A Data Management Plan created using DMPonline.be

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Project abstract:

Most academics agree that social media use has small, yet consistent effects, in the development of negative, but also positive, body image components of young people in the general population. Yet, these studies have neglected the substantial group of young individuals that have visible differences. Visible differences refer to having “a scar, mark, or condition on your face or body that makes you look different” (e.g., psoriasis, cleft lip, or burns). This project will explore social media’s role in these young people’s body image development. The Social Media Model on Young Individuals with Visible Differences (SMM-YIVD) will be theorized and empirically validated by using multi-method research (i.e., quantitative content analysis, go-along interviews, daily diary study, experiment). This project will provide better understandings of social media effects among a group of social media users who are especially challenged to develop a healthy body image.

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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
		Indicate: ***N****(ew data) or* ***E****(xisting data)*	Indicate: **D**(igital) or **P**(hysical)	Indicate: **A**udiovisual **I**mages **S**ound **N**umerical **T**extual **M**odel **SO**ftware Other (specify)		Indicate: <1GB <100GB <1TB <5TB >5TB NA	
Codebook_ContentAnalysis_WP1	Codebook contains all relevant codes that will be used during coding process of content analysis	New	Digital	Textual	.pdf	<1GB	
SocialMediaPosts_ContentAnalysis_WP1	Dataset containing the social media posts of influencers and social media users with a visible difference that will be coded during the content analysis.	Existing	Digital	Social media posts	.JPEG	<100GB	
Dataset_ContentAnalysis_CodedPosts_WP1	Dataset containing the coded posts of influencers and social media users with a visible difference	New	Digital	Nummerical	.R	<100GB	
TopicList-Interviews-WP2	Topic list that contains topics and questions to ask during the interviews	New	Digital	Textual	.pdf	<1GB	
Recordings_Interviews_WP2	Audio recordings of the interviews	New	Digital	Sound	.mp3	<1GB	
Dataset_Interviews_WP2	Dataset containing the observational notes and transcripts of the interviews accompanied by the codes that are ascribed to the participants' responses and the codebook that will be created based on these responses	New	Digital	Textual	.pdf	<100GB	
Dataset_DailyDiary_WP3	Dataset containing the daily diary survey results focusing on young adults' with visible differences' body image outcomes of daily social media exposure/posting behaviors	New	Digital	Nummerical	.R	<100GB	
Dataset_Experiment_WP4	Dataset containing the results of the experiment focusing on body image outcomes of exposure to appearance content among youth with/without a visible difference	New	Digital	Nummerical	.R	<100GB	

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:

SocialMediaPosts_ContentAnalysis_WP1: The researchers will conduct a sample of existing social media posts of social media users and influencers with a visible difference through Instagram. These profiles will be searched through searching for certain hashtags (e.g. #visibledifference, #atypicalappearance,...). These profiles are publicly available.

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)

Work packages 2, 3, 4 make use of human subject data (demographic info, personality, body image, social media use)
For all the studies ethical approval will be asked to SMEC in the near future.

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)

In work packages 2, 3, 4 personal data of participants will be collected in the form of socio-demographical data (e.g. gender, age) and background information of the participants (e.g. email addresses). This personal information will be stored separately and all datasets will be pseudonymized.
Privacy Registry Reference: ethical approval will be asked from the Ethical Commission of KU Leuven (SMEC) in the near future.

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).

The main researcher will collect all data and group the different datafiles according to the different work packages (WP) in het secured KU Leuven folder.
WP1 has 3 datasets and receive the names 'Codebook_ContentAnalysis_WP1' (with as data the codes that will be used during the coding process of the content analysis, these codes are based on previous content analyses and other relevant body image literature), 'SocialMediaPosts_ContentAnalysis_WP1' (with as data the social media posts of social media users and influencers with a visible difference that will be coded during the coding process of the content analysis), 'Dataset_ContentAnalysis_CodedPosts_WP1' (with as data the codes that were ascribed to the different social media posts during the content analysis).

WP2 contains 3 datasets and receive the names 'TopicList_Interviews_WP2' (with as data the semi-structured interview question list and instructions to make this data understandable), 'Recordings_Interviews_WP2' (with as data the recorded interviews), 'Dataset_Interviews_WP2' (with as data the observational notes and transcripts of the interviews accompanied by the codes that are ascribed to the participants' responses and the codebook that will be created based on the responses).

WP3 contains 1 dataset and receives the name 'Dataset_DailyDiary_WP3' (with as data the export of the responses to the daily surveys, accompanied by a methodology document where the used scales are described, mentioning all items and references of the original articles to explain all concepts and variables).

WP4 contains 1 dataset and receives the name 'Dataset_Experiment_WP4' (with as data the export of the responses to the survey programmed in qualtrics, accompanied by the experimental stimuli used, the results of the pilot study testing the experimental stimuli, and a methodology document where the used scales are described).

All data transformations and analyses performed on these datasets will be explained in a document and stored in a safe folder.

Datasets in OSF will be accompanied by metadata so datasets are understandable for later re-use.

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

For WP1 the codebook will be made accessible. This codebook will contain detailed explanations of all the variables and the accompanying codes. In this way, the codebook can be reused in other studies.
For WP2 a metadatafile will be created including the context specific information in which the interviews were conducted.
For WP3 (Daily Diary Study) a metadatafile (with compiled data) will be created in the following steps: 1) a unique identification code is given to each participant; 2) participants answers across consecutive days will be linked in diary research through their unique identification codes. After participants have been linked, the unique identification codes will be deleted and the metadatafile will no longer contain personal information and will be pseudonymized.

For WP4 a detailed explanation will be given for the experimental protocol so this methodology can be used again. This explanation includes detailed information on the creation of the stimuli material, the manipulation check used to validate the stimuli material and the circumstances in which the experiment was conducted.

Data Storage & Back-up during the Research Project

Where will the data be stored?

- Shared network drive (J-drive)
- Personal network drive (I-drive)

All data will be stored and managed for the duration of the project on the secure central storage infrastructure (network drives) of KULeuven. Access is personal and can only be obtained through the password protected intranet or through VPN. The pseudonimized data will not be stored together with the personal information.

How will the data be backed up?

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

Data are automatically backed up when stored on the secure central storage infrastructure of KULeuven.

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

KU Leuven ensures sufficient storage for our data which are not exceptionally large.

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

The secure central storage infrastructure of KU Leuven has very strict rules of access. Access is personal to KU Leuven employees (who received access) and can only be obtained through the password protected intranet or through VPN. The ICTS of KU Leuven guarantees the safety and ensures to update this platform to be resilient to cyber-attacks. The personal data will only be used by the primary researchers of KU Leven (i.e., PhD student and (co-)supervisors) and will not be distributed to anyone else. This personal data will be stored seperately from the pseudonimized data sets.

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

There are no additional costs for this project. Costs are covered by the research group. The I- and J-drive can be accessed for this project.

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...).

- Certain data cannot be kept for 10 years (explain below)

In accordance with the data management policy of KULeuven, all data will be stored for 10 years after completion of the project. After this period, all data will be deleted permanently.

All emailaddresses, names, dates of birth, ages, and other information that can identify a person will be deleted after completion of the data collection, and before disseminating the results of the study.

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

- Shared network drive (J-drive)

Data will remain stored on the KULeuven central network drives as well as on the repository of OSF where the files will be, in line with open access guidelines, stay available in the long term.

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

Costs are covered by the research group.

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 open data
- Other (specify below)

Only anonymised data of all work packages will be made available for reuse. Identification data will be deleted from these sub-datasets, so no full datasets will be made available. All identification data will only be made available to the PhD student and the PI's.
For work package 1, the codebook and the dataset containing the variables with accompanying codes will be made available.
For work package 2, transcripts of the interviews will be made available. However, all information that can identify a person will be deleted before making these transcripts public.
For work package 3, the exported data of the responses to the daily questionnaires will be made available. All information that can identify persons will be deleted before making this data public.
For work package 4, the exported nummeric data of the experiment will be made available. All information that can identify persons will be deleted before making this data public.

For WP 2, 3, and 4 participants will be informed about the public availability of the data in the informed consent forms.

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

Only the PhD student and PI's will ave access to the full datasets. The general public will only have access to the datasets without identifiable information.

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.

- Yes, ethical aspects
- Yes, privacy aspects

Identification data of the participants will never be shared.

Where will the data be made available?

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

- Other data repository (specify below)

All anonymized datasets will be made available in the open access repository of OSF. Following international standards, the research should be available to the international community who are not familiar with the new RDR.

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)

Data from the project that can be shared will be made available under a Creative Commons Attribution license (CC-BY 4.0), so that users have to give credit to the original data creators.

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

A DOI will be automatically made when preregistering the studies on OSF.

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

No costs

Responsibilities

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

Laure Dedecker

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

Laure Dedecker

Who will manage data preservation and sharing?

Laura Vandenbosch

Who will update and implement this DMP?

Laure Dedecker