Scrolling Until the Trust is Gone? Investigating the Impact of Political Harmful Content on TikTok on Trust in Politics Among Adolescents
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.

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Dataset Name	Description	New or reused	Digital or Physical	Digital Data Type	Only for digital data	Only for digital data	Only for physical data
					Digital Data format	Digital data volume (MB/GB/TB)	Physical volume
		• Generate new data • Reuse existing data	• Digital • Physical	• Observational • Experimental • Compiled/aggregated data • Simulation data • Software • Other • NA	• .por, .xml, .tab, .csv,.pdf, .txt, .rtf, .dwg, .gml, … • NA	• <100MB • <1GB • <100GB • <1TB • <5TB • <10TB • <50TB • >50TB • NA	
WP1	Data donation of TikTok watch and search history to conduct a systematic content analysis	New data	Digital	Observational	.por, .xml, .tab, .csv,.pdf, .txt, .rt	<50TB	
WP2	Longitudinal panel survey (three waves over six months) where we assess participants' political attitudes (trust in politics) and socio-demographics, and link data obtained through the data donation with the survey data.	New data	Digital	Observational Compiled/Aggregated Data (linking analysis)	.por, .xml, .tab, .csv,.pdf, .txt, .rt	<100GB	
WP3	Experimental intervention where half of participants will be exposed to an intervention. Political attitudes and political information literacy will be gauged before and after the intervention.	New data	Digital	Observational Experimental	.por, .xml, .tab, .csv,.pdf, .txt, .rt	<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:

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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

In each work package, human subject data will be collected. Ethical approval will be sought for the entire project to make sure guidelines and regulations are adhered to in terms of ethical considerations.
Privacy approval will also be sought. This includes providing participants with information letters and informed consents upon data collection, pseudonimisation of datasets, restricted data sharing, secured data processing and storing.

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

Personal data will be collected in three work packages.

- (WP1) TikTok data (watch and search history), and meta-data -> through data donation
- (WP2) Socio-demographic data -> through survey
- (WP2) Political attitudes, which are considered special category data -> through survey
- (WP3) Political information literacy -> through survey

Among a category of people considered vulnerable (16-21). Data will by pseudonymised

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/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.

- Yes

Dowloaded TikTok data within the data donations are copyrighted material owned by the original creators or TikTok. The analysis will focus on aggregated patterns rather than redistributing or directly reproducing this content, ensuring adherence to copyright laws.
The digital data collected from TikTok through data donation remains the intellectual property of TikTok (terms of service). Participants, however, have the right to access and donate their personal data under the GDPR (Article 15). This requires ensuring compliance with TikTok's platform-specific policies while using the data for academic purposes only.

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).

To keep an overview of used surveys, datasets, analytical procedures, obtained before and after data collection, as well as keep information understandable and and usable for, we will make use of word documents and Excels to track of all progress made throughout the project. In other words, a glossary of used variables for the survey (including possible variable abbreviations), variable definitions, a survey overview, data cleaning methods, steps undertaken for data manipulation/transformation, data merging, data analysis scripts, experiment conditions, experiment design, stimuli, meta-data of datasets and the codebook, will all be integrated in documents for understandability and usability purposes. These will be kept on a secured online environment (OneDrive) and will only be accessible for the involved researchers (myself and my supervisor).

Moreover, to adhere to OpenScience principles, pre-registrations containing this information as well as scripts for data analysis will be made available on OSF to guarantee transparency and reproducibility.

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

The metadata standard that will be used broadly relies on the terminology standard. As such, all metadata will be made readable through controlled vocabularies and through cleaning of unreadable formatting (use of certain characters). The creation of metadata for variables happens automatically in analysis software such as SPSS within quantitative research. Survey questions get a name and are used as the variables' meta data as well. A DDI codebook can additionally be created to safeguard the metadata.

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

Where will the data be stored?

Data can be stored on the following storage options:

- Digital Vault
- ManGO
- OneDrive (KU Leuven)
- Shared network drive (J-drive)
- Large Volume Storage

If needed, the ICTS service desk and the RDM Support Desk will be contacted for the best secured solution.

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 yes, specify concisely.
If no or insufficient storage or backup capacities are available, then 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?

Files will be stored in protected folders on secure KU Leuven servers to which only the researchers involved in this research project have access to.

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

The faculty of social sciences is covering the storage costs. An additional budget is foreseen within the project to cover these costs for the project duration.

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 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), OneDrive or Large Volume Storage.

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

The faculty of social sciences is covering the storage costs. An additional budget is foreseen within the project to cover these costs for the project duration.

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
- Yes, in a restricted access repository (after approval, institutional access only, …)

Following pseudonymisation we will make relevant data sets (survey, intervention) available for reuse (e.g. on a platform such as OSF).
However, we will first examine the proper copyright practices for sharing the TikTok datasets conform legal frameworks.

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

The research team (myself and my supervisor)

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, Intellectual Property Rights
- Yes, Privacy aspects
- Yes, Ethical aspects

Conform the ethical approval guidelines from SMEC and PRET, sharing data will only occur when it is pseudominized and/or allowed in lines with intellectual property rights (for the TikTok data).

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

Datasets will be made available on OSF (where pre-registrations of the studies will also be available).

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

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

A PID will be added upon deposit in a data repository Via OSF.

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

We expect free data sharing, for instance on OSF, but if necessary we can allocate project budget to share open access (cf. open access publication fees that were budgetted)

6. Responsibilities

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

During the project, the doctoral student (Lucie Wittner Franckx) will be responsible for documenting data and generating metadata to improve data readability, who will be closely supported by the main promotor of the project (prof. Dr. Brahim Zarouali).

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

During the project, generated data storage and backup will be managed by the doctoral student (Lucie Wittner Franckx), under supervision of the main promotor (prof. Dr. Brahim Zarouali).

Who will manage data preservation and sharing?

The main promotor of the project (prof. Dr. Brahim Zarouali) will be designated responsible person for longterm management, preservation and facilitation of data generated within this research project.

Who will update and implement this DMP?

This is the collective responsibility of all involved researchers: Lucie Wittner Franckx and Brahim Zarouali

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