Beyond the Game: Leveraging Sports as a Cross-Cultural Platform for Leadership and Positive Development in Youth

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
Identity Leadership in Youth Sports Goes Global	The data set includes a total of 4,487 competitive athletes aged 12 to 17 across 13 countries (i.e., Belgium, Canada, Finland, Germany, India, Iran, Italy, Japan, Poland, Singapore, Spain, Turkey, and the United Kingdom)	Existing Dataset	Digital and Physical	Numerical	xlsx, csv, .dot	<1GB	We only have the physical copies for the data collected in Belgium which includes 3352 pages (8 per person). The remaining physical copies are with our collaborators and their research centers.
Identity Leadership in Adult Sports Across Countries	The dataset included a total of 3449 participants across 10 countries (i.e., Australia, Belgium, Canada, Iran, India, Japan, Switzerland, Poland, Spain, the United Kingdom)	Existing Dataset	Digital and Physical	Numerical	xlsx, csv, .dot	<1GB	We only have the physical copies for the data collected in Belgium which includes 6097 pages (13 per participant). The remaining physical copies are with our collaborators and their research centers.
The International Collaboration on Social and Moral Psychology of COVID-19	Dataset includes 51, 404 participants across 69 countries. Dataset is openly available on open science. We are using it for secondary data analysis.	Existing Dataset	Digital	Numerical	xlsx, csv	<1GB	N/A
An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving	Dataset including competitive athletes will be collected in the UK and Belgium. Data collection is being led by our collaborators in the UK.	New	Digital and Physical	Numerical	xlsx, csv	<1GB	It remains to be seen. Data collection is currently ongoing.

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:

The International Collaboration on Social and Moral Psychology of COVID-19 - https://osf.io/tfsza/

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)

Identity Leadership in Youth Sports Goes Global - G-2022-5771-R4(MIN)
Identity Leadership in Adult Sports Across Countries- G-2019 10 1810
The International Collaboration on Social and Moral Psychology of COVID-19 - Granted by the University of Kent (secondary data analyses) - 202015872211976468
An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving - G-2024-8644

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)

(1) Identity Leadership in Youth Sports Goes Global - Identification information (e.g., email), Personal details (e.g., age gender), Psychological details, special categories of personal data (e.g., mental health)
(2) Identity Leadership in Adult Sports Across Countries - Identification information (e.g., names, email addresses) Personal details (e.g., age gender), Psychological details, special categories of personal data (e.g., mental health)
(3) The International Collaboration on Social and Moral Psychology of COVID-19 - Granted by the University of Kent (secondary data analyses) - Personal details (e.g., age gender), Psychological details, special categories of personal data (e.g., mental health)
(4) An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving - Identification information (e.g., names, email), Personal details (e.g., age gender), Psychological details, special categories of personal data (e.g., mental health)
Datasets 1,2, and 4 will be/are pseudo-anonymised.

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).

(1) Identity Leadership in Youth Sports Goes Global - README.txt following KU Leuven's guidelines
(2) Identity Leadership in Adult Sports Across Countries - README.txt following KU Leuven's guidelines
(3) The International Collaboration on Social and Moral Psychology of COVID-19 - codebook.dt (this is already available openly on the following website see: https://osf.io/tfsza/
(4) An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving - README.txt following KU Leuven's guidelines

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.

- Yes

(1) Identity Leadership in Youth Sports Goes Global - We will follow the DataCite guidelines although data will be shared on the open science framework.
(2) Identity Leadership in Adult Sports Across Countries - We will follow the DataCite guidelines although data will be shared on the open science framework.
(3) The International Collaboration on Social and Moral Psychology of COVID-19 - This dataset is already available openly on the following website see: https://osf.io/tfsza/
(4) An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving - We are only playing the role of data collectors in this project so if the data is shared, it will be via our collaborators at the University of Bath. They will follow the guidelines of their ethics/privacy review boards. We have signed a data sharing agreement already.

Data Storage & Back-up during the Research Project

Where will the data be stored?

- OneDrive (KU Leuven)

(1) Identity Leadership in Youth Sports Goes Global - On paper
(2) Identity Leadership in Adult Sports Across Countries - On paper
(3) The International Collaboration on Social and Moral Psychology of COVID-19 - N/A
(4) An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving - On paper

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?

OneDrive: Multifactor authentication with the KU Leuven authenticator app can be activated to ensure the safe storage of confidential data. Only those involved in the research project at KU Leuven will have access to the data.
On paper: Data collected on paper, is/will be stored in a locked cabinet in a locked room at the Department of Movement Sciences.

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

OneDrive: The use of OneDrive for Business is free for KU Leuven personnel.

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)?

- Large Volume Storage (longterm for large volumes)

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

€ 11.38/100GB/year, from which 50% of the costs are covered by the Group Biomedical Sciences. Given the expected size of the project of 25 GB and the minimum purchase of 100GB storage, costs for long-term storage are estimated at € 11.38/year. The costs will be carried for 50% by the project and 50% by the Group of Biomedical Sciences.

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

(1) Identity Leadership in Youth Sports Goes Global - Only psedo-anonymised data will be shared. Personal details (e.g., age gender), psychological details, and special categories of personal data (e.g., mental health).
(2) Identity Leadership in Adult Sports Across Countries - Only psedo-anonymised data will be shared. Personal details (e.g., age gender), psychological details, and special categories of personal data (e.g., mental health).
(3) The International Collaboration on Social and Moral Psychology of COVID-19 - This dataset is already available on the Open Science Framework (see https://osf.io/tfsza/). We did not collect this data and only used it for secondary data analyses.
(4) An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving - Only psedo-anonymised data will be shared. Personal details (e.g., age gender), psychological details, and special categories of personal data

(e.g., mental health).

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

N/A

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

Where will the data be made available?

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

- Other (specify below)

(1) Identity Leadership in Youth Sports Goes Global - Open Science Framework
(2) Identity Leadership in Adult Sports Across Countries - Open Science Framework
(3) The International Collaboration on Social and Moral Psychology of COVID-19 - Open Science Framework (already available here: https://osf.io/tfsza/)
(4) An Examination of the Inter-relationships Amongst Shared Athlete Leadership, Teamwork, and Thriving - Data will be made publicly available by our collaborators at the University of Bath. We have signed a data sharing agreement with them. Most likely the data will be shared on the Open Science Framework.

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?

The Open Science Framework is free. Hence, no costs are expected for data sharing.

Responsibilities

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

The post-doctoral researcher (Radhika Butalia) will be responsible for the data documentation and metadata under the supervision of the PIs (Katrien Fransen and Filip Boen).

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

The post-doctoral researcher (Radhika Butalia) will be responsible for data storage and backup during the research project under the supervision of the PIs (Katrien Fransen and Filip Boen).

Who will manage data preservation and sharing?

The post-doctoral researcher (Radhika Butalia) will be responsible for data preservation and sharing under the supervision of the PIs (Katrien Fransen and Filip Boen).

Who will update and implement this DMP?

The post-doctoral researcher (Radhika Butalia) will update and implement this DMP under the supervision of the PIs (Katrien Fransen and Filip Boen).