

## **METADATA AND TERMS GUIDE**

Examples for depositing data in SODHA

#### Introduction

Providing clear metadata and terms of access and use are vital aspects of depositing datasets in the Social Sciences and Digital Humanities Archive (SODHA). Accurate and complete information about your dataset help to make it FAIR: Findable, Accessible, Interoperable and Reusable. In addition, including this information from the start may save you a lot of time and effort in the long run. Reconstructing the context and modalities of a dataset later on is no easy (or fun) assignment.

The many possibilities offered in SODHA can seem a bit overwhelming. However, most options are non-mandatory. You decide how much information is provided. In other words, you are free to choose the level of detail, and consequently the degree of FAIRness of your dataset.

This Metadata and Terms Guide is designed to help you describe your dataset. We include the explanations from SODHA (grey italics), additional notes ( $\bullet$ ) and examples ( $\approx$ ). The examples are mainly fictional and can be tailored to suit your dataset. Please note that this list of examples is not exhaustive. Many other entries are possible to describe your dataset.

The table of content has been equipped with hyperlinks. You can use this table to navigate through the options if you have a question about a specific subsection of the SODHA metadata or terms section. Any additional questions or remarks can be directed at <u>sodha@arch.be</u>.



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Terms

Terms of Use

In this section depositors can stipulate under which conditions their deposited datasets are reusable.

## Waiver

The waiver informs data downloaders how they can use this dataset.

Datasets will default to a <u>CC0 public domain dedication</u>. CC0 facilitates reuse and extensibility of research data. Our <u>Community Norms</u> as well as good scientific practices expect that proper credit is given via citation. If you are unable to give datasets a CC0 waiver you may enter custom Terms of Use for datasets.

O Yes, apply CC0 - "Public Domain Dedication"

O No, do not apply CC0 - "Public Domain Dedication"

## Terms of Use

Outlines how this data can be used once downloaded.

If you are unable to use CC0 for datasets you are able to set custom terms of use. Here is an example of a <u>Data Usage Agreement</u> for datasets that have de-identified human subject data.

## • Open Access- CC-0

- Select "Yes, apply CC0- "Public Domain Dedication" in the Waiver section (See above).
- Leave this Terms of Use section blank.
- More information: <u>https://creativecommons.org/publicdomain/zero/1.0/</u>

## • Open Access- CC-BY

- Select "No, do not apply CC0 "Public Domain Dedication"" in the Waiver section (See above).
- Paste following statement in this Terms of Use section: <a rel="license" href="http://creativecommons.org/licenses/by/4.0/"><img alt="Creative Commons License" style="border-width:0" src="https://i.creativecommons.org/l/by/4.0/88x31.png" /></a><br/>br/s work is licensed under a <a rel="license" href="http://creativecommons.org/licenses/by/4.0/">Creative Commons Commons Attribution 4.0 International License</a>.
- More information: <u>https://creativecommons.org/licenses/by/4.0/</u>



#### Restricted Access- CC-BY

- The same procedure as in Open Access- CC-BY (see above).
- When uploading files: restrict the access for all or selected files using the "edit" drop down menu. A pop-up menu will appear where you can state the terms of access and enable access requests. You can check this in the metadata section.

## Open Access- Scientific Purposes Only

- Select "No, do not apply CC0 "Public Domain Dedication"" in the Waiver section (See above).
- Paste following statement in this Terms of Use section:

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iii. a notice that refers to this License;<br>

iv. a notice that refers to the disclaimer of warranties;<br>

v. a URI or hyperlink to the Licensed Material to the extent reasonably practicable;<br>

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More information: The policy regarding Access & Reuse in SODHA .

## Restricted Access- Scientific Purposes Only

- The same procedure as in Open Access- scientific purposes only (see above).
- When uploading files: restrict the access for all or selected files using the "edit" drop down menu. A pop-up menu will appear where you can state the terms of access and enable access requests. You can check this in the metadata section.

### • Other conditions?

Contact <u>sodha@arch.be</u> if you want to apply other conditions on the reuse of your data.



## **Confidentiality Declaration**

Indicates whether signing a confidentiality agreement is needed to access a resource.

For example:

- The data can only be accessed after signing a confidentiality agreement. The contact person will send the confidentiality agreement after your request for access.
- $\blacktriangleright$  No confidentiality declaration is needed to access the dataset.

## **Special Permissions**

Determine if any special permissions are required to access a resource (e.g. If a form is needed and where to access the form).

For example:

- Access can only be granted after assessment of the research institution's Evaluation Form including questions on the researcher's profile, the research objectives, the requested access period and the data security policy. The contact person will send the Evaluation Form after your request for access.
- Access requires the formal authorization of all persons handling the data by the depositor. Please include the contact information of all (potential) data users and their affiliations with your request for access.

## **Restrictions**

Any restrictions on the use of the collection, such as privacy certification or distribution restrictions, should be indicated here. These can be restrictions applied by the author, producer, or disseminator of the data collection. If the data are restricted to only a certain class of users, please specify which type.

• If you would like that data users fulfil specific conditions related to the data use, please state so here. Be advised that SODHA will not actively check whether data users meet these conditions.

For example:

- The requested access and use period should be proportional to the research objectives. Access to the dataset is restricted until the user and depositor stipulate an appropriate access and use period in mutual agreement. After this period, the accessed dataset and derivative datasets need to be deleted.
- Users do NOT have permission to share the accessed dataset or related resources with other persons or organizations. All persons handling the data need to be authorized by the depositor or the contact person.



## **Citation Requirements**

Include special/explicit citation requirements for data to be cited properly in articles or other publications that are based on analysis of the data. For standard data citation refer to our Community Norms

#### For example:

Please refer to our data in accordance to the SODHA community Norms: Author(s). Distribution Year. "Dataset title". hhtps://doi.org/... SODHA: Social Sciences and Digital Humanities Archive

## **Depositor Requirements**

Information regarding user responsibility for informing dataset depositors, authors or curators of their use of data through providing citations to the published work or providing copies of manuscripts.

• If you would like that data users fulfil other conditions (not specifically related to the data use), please state so here. Be advised that SODHA will not actively check whether data users meet these conditions.

For example:

➢ A list of publications building on the shared dataset needs to be sent to the contact person after completion of the research project. Please keep the contact person informed about any updates regarding these or subsequent publications.

## Conditions

Any additional information that will assist the user in understanding the use conditions of the dataset.

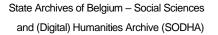
• In this section, you can add more information on the context of the dataset and the conditions related to the data use.

For example:

➢ The dataset is partly built on data from a third party. Our terms of access and use follow the procedures stipulated by the third party.

#### **Disclaimer**

Information regarding responsibilities for uses of the dataset.





 Appropriate disclaimers and notices can be inserted here. Be advised that statements here cannot override the <u>SODHA deposit agreement</u>, nor can they be used to deflect(inter)national legal responsibilities.

For example:

Much care has been taken to ensure the accuracy and quality of the data and documentation. Nevertheless, the data depositor or the data producer does not guarantee the accuracy or topicality of the information provided.

Restricted Files + Terms of Access

In this section depositors can stipulate under which conditions their deposited datasets are accessible.

## Terms of Access

Information on if and how users can gain access to the restricted file in this dataset.

- Datasets will default to open access. Choosing open access, requires no further steps.
- If you prefer restricted access, you need to specify this:
  - When uploading data files, you can restrict the access for all or selected files (Edit -> drop down menu with the options Delete, Restrict, Unrestrict). A window will open where you can state the Terms of Access and enable the Request access.
  - The results of the actions in (a) will be visible in the Terms section. You can edit this information with additional information.

For example:

- ➢ A request for access and use can be sent to the contact person via the SODHA contact form.
- More information on the access and use procedure can be found on our organization's website: https://www.yourorganizationswebsite.be/HowToAccessData

#### **Request Access**

If checked, users can request access to the restricted files in this dataset.

- Only if this box is checked will SODHA allow potential data users to contact the designated contact person(s).
- ✓ Enable access request



## **Data Access Place**

If the data is not only in the Dataverse, list the location(s) where the data are currently stored.

For example:

- The data can only be accessed at the offices of Organization/Archive/... (address).
- ➢ Storage facility: Organization/Archive/... (address).

## **Original Archive**

Archive from which the data was obtained.

For example:

➢ Organization/Archive/… (address).

## **Availability Status**

Statement of dataset availability. A depositor may need to indicate that a Dataset is unavailable because it is embargoed for a period of time, because it has been superseded, because a new edition is imminent, etc.

For example:

- ➢ This dataset is under embargo until ...
- ➢ We recommend users work with the updated version of this dataset available in SODHA: "Dataset title. Version".

## **Contact for Access**

If different from the Dataset contact, this is the contact person or organization (include email or full address, and telephone number if available) that controls access to a collection.

For example:

➢ Organization's information: email address, telephone number and full address.



## **Size of Collection**

Summary of the number of files that exist in the dataset, recording the number of files that contain data and noting whether the collection contains machine readable documentation and/or other supplementary files and information, such as codes, data dictionaries, data definition statements, or data collection instruments.

#### For example:

- $\blacktriangleright$  The Dataset contains # files with a total volume of #GB.
- Documentation on the construction of variables is included (SPSS Syntax, Stata do.files, ...).

## **Study Completion**

Relationship of the data collected to the amount of data coded and stored in the dataset. Information as to why certain items of collected information were not included in the dataset or a specific data file should be provided.

#### For example:

- ➢ All collected data are included in the dataset, but personal identifiers are not included to anonymize the data.
- ➢ The information offered in free text fields are not available in the dataset to guarantee the anonymity of the respondents.

#### Metadata

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Citation Metadata 🗠

## **Title of Dataset**

Full title by which the dataset is known.

Some guidelines for picking a good title for your dataset:

- Insert a unique title that represents the focus of your dataset.
- Keep it clear and concise. Do your colleagues and friends understand what the dataset presents, even without any context or inside knowledge?
- The recommended length of the title is <120 characters.</li>
- Specify the geographical and temporal context in the title if appropriate.
- Acronyms or abbreviations can be used in titles if appropriate. They should be spelled in full at first use and then abbreviated between brackets.
  - ➢ Belgian Archive for Social Sciences (BASS)

- If your dataset contains several indicators, include the basic theme in the title.
   Employment conditions by occupational group, Belgium, 2010-2019
- Do not simply repeat the article title to name your dataset. In case you are sharing your dataset for validation purposes, click on the "Add 'Replication data for' to the title" button.
  - ➢ Replication Data for: 'The Article Title'

## **Subtitle**

A secondary title to amplify or state certain limitations on the main title.

#### For example:

Pretest survey results [Title of the Dataset: 'Preteaching effects on student performance in lower secondary school: evaluation of a natural experiment']

## **Alternative Title**

A title by which the work is commonly referred, or an abbreviation of the title.

For example:

- ➢ BASS [Full title= Belgian Archive for Social Sciences]
- Belgisch Archief voor de Sociale Wetenschappen [Title of the Dataset= Belgian Archive for Social Sciences]
- Archive Belge pour les Sciences Sociales [Title of the Dataset = Belgian Archive for Social Sciences]

## **Alternative URL**

A URL where the dataset can be viewed, such as a personal or project website.

## **Other ID**

Another unique identifier that identifies this dataset (e.g. Producer's or another repository's number).

#### For example:

➢ <u>Agency</u>: Your university's archive <u>Identifier</u>: Number\_A1



## Author

The person(s), corporate body(ies) or agency(ies) responsible for creating the work.

For example:

- Name: Family name, Given name <u>Affiliation:</u> University (of applied sciences)/Science institution/... <u>Identifier scheme:</u> Select ORCID/ISNI/LCNA/VIAF/GND <u>Identifier:</u> Enter your personal identifier
- Name: Organization/Research group/Working group/... <u>Affiliation:</u> University (of applied sciences)/Science institution/... <u>Identifier scheme:</u> Select ORCID/ISNI/LCNA/VIAF/GND <u>Identifier:</u> Enter your organizational identifier

## Contact

The contact(s) for this dataset.

 When you include your email address here, this will not be displayed (in contrast with the "Contact for Access" field in the Terms section). You will be reached automatically through the contact form or the "Request Access" form.

For example:

Name: Family name, Given name <u>Affiliation:</u> University (of applied sciences)/Science institution/... <u>E-mail: Your.Name@InstitutionalAccount.be</u>

## Description

A summary describing the purpose, nature and scope of the dataset.

Some guidelines for writing a good abstract for your dataset:

- Describe the purpose, content and method of the dataset briefly.
- Try to answer following questions:
  - What is the purpose of this dataset?
  - To who do these data refer to? What is the study population and sample size?
  - What is the relevant geographical area? Does the dataset cover a number of cities, regions, or the whole country?
  - When were these data collected?
  - How were the data collected? What was the sampling procedures? At what level were the data collected: at the individual, household, etc. level? How was the survey administered (online, paper, etc.)? How



were interviews conducted (face-to-face, video chat, etc.)? In case the dataset relies on secondary data sources, which original sources were used?

- What form does the dataset have (person-level; person-period, etc.)?
- How complete is the dataset? Are any data missing?
- What are the selling points? Does the dataset fill a data gap? Which variables may be of interest to potential users?

#### For example:

 $\gg$  This expert survey aims to fill a fundamental data gap in country-level data on teacher training and support policies, specifically addressing (a) official entry requirements for teacher training programs; (b) in-service support policies; (c) salary information by level of experience of lower secondary school teachers (ISCED 2). The focus of this expert survey lies on the 48 countries and economies participating in the 2018 Teaching and Learning International Survey (TALIS). The questionnaire was hosted by Qualtrics and distributed online via personal invitations to 108 educational experts from the 48 TALIScountries. Prime selection criteria for the educational experts were academic excellence established with regards to the national teacher policies and/or membership to leading research groups in the field. Data were collected between 13 December 2019- 1 February 2020. In the end, a person-level, anonymized dataset was created using the answers from 39 experts in 36 countries or economies. Information on official entry requirements for teacher training programs and in-service support policies is available for over 70% of the 36 participating countries. Salary information by level of experience was obtained for 62% of these 36 countries. The methods used to develop this expert survey are largely based on the methodology from the Education At a Glance report and the Eurydice reports. This approach was chosen to enable the comparability with these two authorative data sources. To our knowledge, this is the only international overview containing salary information for lower secondary school teachers in Cyprus, the Republic of Korea, Russia, Saudi-Arabia, South Africa and the United Arab Emirates.

Date of Description:

➢ Year-Month-Day the description was written

## **Subject**

Domain specific subject categories that are topically relevant to the dataset. Multiple options are possible.

☑ Social Sciences



## Keyword

Key terms that describe specific aspects of the dataset that may enhance the findability of your dataset.

Some guidelines for selecting appropriate key words:

- Select specific terms related to the focus of your dataset or specific indicators.
- Include no more than 3 words per keyword.
- Don't use words that are already in your title.
- Consider incorporating synonyms, related concepts or antonyms.
  - ➢ Attrition; Retention [Dataset on staff turnover]
- Consider including methodological specificities as keywords.
  - Longitudinal study; Panel study
- Use the controlled keyword vocabulary options to facilitate web searches:

 Library of Congress Subject Headings (LCSH): <u>http://id.loc.gov/authorities/subjects.html</u> <u>Keyword:</u> Families--Longitudinal studies <u>Vocabulary</u>: LCSH-complex subject <u>Vocabulary URL</u>: <u>http://id.loc.gov/authorities/subjects/sh85047015</u>

 Medical Subject Headings (MeSH) thesaurus: <u>https://www.nlm.nih.gov/mesh/meshhome.html</u> <u>Keyword:</u> Socioeconomic Factors <u>Vocabulary</u>: MeSH <u>Vocabulary URL: http://id.nlm.nih.gov/mesh/D012959</u>

## **Topic Classification**

The classification field indicates the broad important topic(s) and subject(s) that the data cover. Please use the terms of the CESSDA Topic Classification here.

 You can copy the already stated URL for the CESSDA Topic Classification and paste this into your internet browser. Once found the most appropriate keywords, you can copy-paste this information in the metadata field.

For example:

 CESSDA Topic Classification: <u>https://vocabularies.cessda.eu</u> <u>Keyword:</u> Demography.Migration <u>Vocabulary</u>: CESSDA Topic Classification: <u>Vocabulary URL</u>: <u>https://vocabularies.cessda.eu</u>



## **Related Publication**

Publications that use the data from this dataset.

#### Possibilities regarding the ID type:

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➢ ID Type: isbn
 Citation: Authors, Year, "Book title", Publisher.
 ID Number: 9789491297687
 URL:

## Notes

Additional important information about the dataset.

## Language

Language of the dataset.

• It is possible to include multiple languages.

## Producer

Person or organization with the financial or administrative responsibility over this dataset.

• Generally, this information can be found in the project's contract and/or your employment contract.

For example:

Name: Your University <u>Abbreviation:</u> YU

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<u>Affiliation:</u> <u>URL:</u> <u>www.youruniversity.be</u> <u>Logo URL: www.youruniversity.be/logo</u>

- <u>Name:</u> International Consortium
   <u>Abbreviation:</u> IC
   <u>Affiliation:</u>
   <u>URL:</u> www.InternationalConsortium.com
   <u>Logo URL:</u> www.InternationalConsortium.com/logo
- <u>Name:</u> Federal Scientific Institution <u>Abbreviation:</u> FSI <u>Affiliation:</u> <u>URL: www.fsi.gov.be</u> <u>Logo URL: www.fsi.gov.be/logo</u>

## **Production Date**

Date when the data collection or other materials were produced (not distributed, published or archived)

• Year-Month-Day

## **Production Place**

The location where the data collection or other materials were produced.

## **Grant Information**

Specify the source of the research funding.

For example:

Grant Agency: Belgian Science Policy Office (BELSPO) Grant Number: ABC/##/##

## Time Period Covered

Time period to which the data refer. This item reflects the time period covered by the data, not the dates of coding or making documents machine-readable or the dates the date were collected. Also known as span.

#### For example:

[A dataset on travel behavior occurring in 2019, collected using a retrospective survey which was administered in January 2020] Start: 2019-01-01



End: 2019-12-31

## **Date of Collection**

Contains the dates when the data were collected.

#### For example:

➢ [A dataset on travel behavior occurring in 2019, collected using a retrospective survey which was administered in January 2020]

Start: 2020-01-01 End: 2020-01-31

## Kind of Data

Type of data included in the file.

#### For example:

- 🖻 survey data
- ➢ census/enumeration data
- ➢ aggregate data
- ▷ clinical data
- ➢ event/transaction data
- $\blacktriangleright$  program source code
- ➢ machine-readable text

- ℰ experimental data
- ₽ psychological test
- ֎ textual data
- ➢ coded textual
- ➢ coded documents
- ▶ time budget diaries
- ֎ observation data/rating
- ➢ process-produced data

#### **Series**

Information about the data series.

#### For example:

- ➢ Name: PAnel Study on Happiness in Adolescence
  - Information: This dataset contains the results from the second wave of data collection of the Panel Study on Happiness in Adolescence. The first wave is also available in SODHA (doi:...). For more information: www.PASHA.be

#### Software Used to Create the Dataset

Information about the software used to create the dataset.

For example: ➢ <u>Name:</u> Qualtrics <u>Version:</u> Month(s) and year(s) of use
➢ <u>Name:</u> Excel <u>Version:</u> 16.16.20

➢ <u>Name:</u> Stata



Version: Stata/MP 13.1 for Mac

## **Related Material**

Any material related to this dataset.

For example:

- ➢ John, Paul & George, Ringo (2020). "btls: All you need is Data". R package version 0.7.6. https://CRAN.R-project.org/package=btls
- ➢ Houston, Whitney (2020). Step by step meta-analysis. Pure Python module. https://pypi.org/project/meta/sbsma

## **Related Datasets**

Any datasets that are related to this dataset, such as previous research on this topic.

#### For example:

➢ Knowles, Beyoncé (2018). Queen Bee Behavior in Urban settings. First wave. Available in SODHA. Doi: …

## **Other References**

Any references that would serve as background or supporting material for this dataset.

#### For example:

➢ The project website: Belgian Research on E-Leisure www.BREL.be

## **Data Sources**

List of books, articles, serials, or machine-readable data files that served as the sources of data collection.

#### For example:

➢ Information about employment per economic sector is retrieved from the official production statistics: National Institute for Statistics:

'Bulletin mensuel du commerce de l'union economique Belgo-Luxembourgeoise avec Les Pays Etrangers (1948-1994; 1996-1998)'. Bruxelles: Ministère des affaires économiques, available in the Quetelet Fund library.



## **Origin of Sources**

For historical materials, information about the origin of the sources and the rules followed by establishing the sources should be specified.

For example:

➢ The production statistics were consulted in the Bibliothèque Fonds Quetelet, SPF Economie (contact: quetelet@mineco.fgov.be)

## **Characteristic of Sources Noted**

Assessment of characteristics and source material.

For example:

- ➢ The source material was in good condition and photocopied on site. The relevant information was entered in the spreadsheet by the lead investigator. The accuracy and completeness of data entry was checked by two different researchers.
- ➢ The source material included inconsistent data records. For example, one female respondent had a recorded diagnosis of prostate cancer. These inconsistent data records are not included in the available dataset.

#### **Documentation and Access to Sources**

Level of documentation of the original sources.

For example:

The original documentation is included in the dataset. However, information on the construction of the original indicator for well-being has not been included in the original documentation.

Geospatial Metadata

#### **Geographic Coverage**

Information on the geographic coverage of the data. Includes the total geographic scope of the data.

For example:

 [Dataset on mobility among disabled persons in Brussels, Ghent and Namur] Country / Nation: Belgium State / Province: Brussels Capital Region City: Brussels



Other:

+ Country / Nation: Belgium State / Province: East Flanders City: Ghent Other:

+ Country / Nation: Belgium State / Province: Namur City: Namur Other:

[Dataset with information on the proximity of hospitals in Belgium]
 Country / Nation: Belgium
 State / Province:
 City:
 Other:

## **Geographic Unit**

Lowest level of geographic aggregation covered in the dataset (e.g. village, county, region)

#### For example:

- [Dataset on mobility among disabled persons in Brussels, Ghent and Namur] City
- [Dataset with information on the proximity of hospitals in Belgium] exact GPS latitude and longitude coordinates for all Belgian hospitals

## Social Science and Humanities Metadata

## **Unit of Analysis**

Basic unit of analysis or observation that this dataset describes, such as individuals, families/households, groups, institutions/organizations, administrative units, and more. For information about the DDI's controlled vocabulary for this element, please refer to the DDI web page (<u>https://ddialliance.org/Specification/DDI-</u><u>CV/AnalysisUnit\_1.0.html</u>).

#### For example:

- ➢ Individual
- ➢ Organization
- ▶ Family
- ➢ Family.HouseholdFamily
- ➢ Household
- ▶ HousingUnit

- ➢ EventOrProcess
- ➢ GeographicUnit
- ₽ TimeUnit
- ► TextUnit
- ➢ Group
- ₽ Object



## Universe

Description of the population covered by the data in the file: the group of people or other elements that are the object of the study and to which the study results refer. Age, nationality, and residence commonly help to delineate a given universe, but any number of other factors may be used, such as age limits, sex, marital status, race, ethnic group, income, veteran status, criminal convictions, and more.

The universe may consist of elements other than persons, such as housing units, deaths, countries, and so on. In general, it should be possible to tell from the description of the universe whether a given individual or element is a member of the population under study. Also known as the universe of interest, population of interest, and target population.

#### For example:

- The target population includes all men and women between the ages of 18 and 35 who had their official residence in the Brussels Capital Region on 1 January 2020.
- ➢ The population universe entails all prisons in Flanders (Belgium).

## Time Method

The time method or time dimension of the data collection, such as panel, crosssectional, trend, time series and other.

#### For example:

- ➢ Repeated cross-sectional data design [Data collection in 2012, 2015 and 2018]
- Longitudinal cohort study [Yearly data collection of the 1989 birth cohort from 2007 until 2019]

#### **Data Collector**

Individual, agency or organization responsible for administering the questionnaire or interview of compiling the data.

#### For example:

- ➢ The organizational name of your project partner/ stakeholder / ...
- ➢ Family name, given name of your research partner/ master student/ ...



## **Collector Training**

Type of training provided to the data collector.

For example:

- ➢ An online learning module on the type of data collection and mandatory test
- ➢ A four-hour workshop with role-play exercises
- ➢ A detailed data collection manual

## Frequency

If the data collected includes more than one point in time, indicate the frequency with which the data was collected. That is monthly, quarterly, or other.

For example:

Every three years: 2012, 2015, 2018 [Repeated cross-sectional data design]
 Yearly: 2007-2019 [Longitudinal cohort study of the 1989 birth cohort]

## **Number of Variables**

Total number of variables for all data files that the dataset comprises.

• Enter an integer

## **Sampling Procedure**

Type of sample and sample design used to select the survey respondent to represent the population. May include reference to the target sample size and the sampling fraction.

#### For example:

- ➢ Simple random sampling
- ℰ (Dis)proportionate stratified sampling
- ➢ Single stage/ Double stage/Multistage cluster sampling
- ➢ Non-random sampling with quota
- ▷ Expert sampling
- ➢ Systemic sampling

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## **Target Sample Size / Number of Units**

Specific information regarding the target sample size, actual sample size and the formula used to determine this.

For example:

➢ <u>Actual:</u> Enter an integer representing your study population

➢ Formula: Cochran's formula (1963:75) = ((Z<sup>2</sup> \* (p) \* (1-p))/c<sup>2</sup>

## **Major Deviations for Sample Design**

Show correspondence as well as discrepancies between the sampled units (obtained) and the available statistics for the population (age, sex, marital status, etc.) as a whole.

For example:

- ➢ The ratio between men and women in the sample was somewhat lower than observed in the population (0.80 vs. 0.97).
- ➢ Data saturation was reached after 60 of the originally 70 planned interviews.

## **Collection Mode**

Methods used to collect the data; instrumentation characteristics (i.e. telephone interviews, mail questionnaires, etc.); ...

For example:

- ➢ Telephone interview
- ➢ Mail questionnaire
- ➢ Time use diaries

- ➢ Observation
- ➢ Focus group discussion
- ▶ Experiment

## **Type of Research Instrument**

Type of data collection instrument used.

For example:

➢ Structured

indicates an instrument in which all respondents are asked the same questions/tests, possibly with pre-coded answers. If a small portion of such a questionnaire includes open-ended questions, provide appropriate comments.

➢ <u>Semi-structured</u>

indicates that the research instrument contains mainly open-ended questions.  $\blacktriangleright$  <u>Unstructured</u>

indicates that in-depth interviews were conducted.



## **Characteristics of Data Collection Situation**

Description of noteworthy aspects of the data collection situation. Includes information on factors such as cooperativeness of respondents, duration of interviews, number of call backs or similar.

#### For example:

Data collection was affected by the lock-down measures in Belgium in response to the COVID-19 pandemic. Before March 13<sup>th</sup> 2020, all data were gathered in face-to-face interviews. Data collection was suspended until April 14<sup>th</sup> 2020, after which data were collected in video interviews.

## **Actions to Minimize Losses**

Summary of actions taken to minimize data loss. Include information on actions such as follow-up visits, supervisory checks, historical matching, estimation and so on.

#### For example:

- Respondents were offered the opportunity to win a gift voucher of € 500 as an incentive to complete the survey.
- Replacement matching was used to minimize non-response. A detailed overview of the procedure and sensitivity analyses can be found in the technical report.

## **Control Operations**

Methods to facilitate data control performed by the primary investigator or by the data archive.

#### For example:

➢ The survey instrument was tested on potential language differences after translations through the Survey Quality Prediction program (SQP).

## Weighting

The use of sampling procedures might make it necessary to apply weights to produce accurate statistical results. Describes the criteria for using weights in analysis of a collection. If a weighting formula or coefficient was developed, the formula is provided, its elements are defined and it is indicated how the formula was applied to the data.



#### For example:

A stratified sampling procedure was followed with non-proportional stratification at regional level. This unequal selection probability at regional level affects the representativeness at country level. In order to correct this, users should weigh the data during estimation processes using the variable Be\_weight (i.e. the inverse of the sampling probability based on the known size of the stratum size).

## **Cleaning Operations**

Methods used to clean the data collection, such as consistency checking, wild code checking, or other.

#### For example:

- ➢ Records containing inconsistencies were removed from the available dataset (e.g. respondent 001: number of children=0; age of the child= 14)
- One expert probably provided the gross monthly salary for teachers in their country (in contrast to the requested gross annual salary). This entry is flagged using the variable inconsist\_tag (inconsistency=1).

## **Study Level Error Notes**

Note elements used for any information annotating or clarifying the methodology and processing of the study.

#### For example:

➢ Due to the low response rate of elderly persons, the dataset may not reflect a representative view of the neighborhood perspective.

## **Response Rate**

Percentage of sample members who provided information.

#### For example:

Information on official entry requirements for teacher training programs and inservice support policies is available for over 70% of the 36 participating countries. Salary information by level of experience was obtained for 62% of these 36 countries.



## **Estimates of Sampling Error**

Measure of how precisely one can estimate a population from a given sample.

For example:

➢ The relative standard errors (SE/R) for the means and proportions is 3.5% on average and range between 0.3% and 30.0 %.

## **Other Forms of Data Appraisal**

Other issues pertaining to the data appraisal. Describe issues as response variance, non-response rate, testing for bias, interviewer and response bias, confidence levels, question bias, or similar.

#### For example:

- The number of respondents for some specific occupational groups are very small (e.g. female truck drivers, male kindergarten teachers, ...), resulting in large confidence intervals when estimating turnover rates.
- The average survey response rate was 41%. A response bias is possible for lower-educated women as only 5% (20 out of 400) of contacted women in this group answered the questionnaire.

#### Notes

General notes about the dataset.

- Type
- Subject
- Text

#### Historical Metadata

## **History of the Data**

Background information about the dataset, especially if it was previously kept by one or several institutions other than the SODHA data archive. Can also include information about what motivated the depositor(s) to entrust SODHA with their data.

#### For example:

This dataset was previously archived in the university archive. In order to enhance the findability, accessibility, interoperability and reuse of this dataset, a duplicate has been made available in SODHA.

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## **Biography of the Investigator/Contributor**

Background about (one of) the primary investigator(s) or contributor's) of the dataset. This element is more relevant for senior than for younger researchers, as the latter's career is more likely to change with time. Still, depositors should feel free to include all information they think will help document the dataset. Use the "+" button to add more fields in case there are several investigators and/or contributors.

#### For example:

The principal investigator, Paul Delvaux, is one of the leading researchers in the field of the social perception of surrealist art. Throughout his career, he has spearheaded many data collection efforts including major data sources such as the TRAIN-study.

## **History of the Research Center**

Background information about (one of) the research center(s) the primary investigator(s) worked for at the time of the study. Especially relevant if said research center(s) is (are) no longer active or if its (heir) name was changed. Use the "+" button to add more fields in case there are several research centers.

## For example:

Social Mobility and Urbanization Research Faction (SMURF) was previously known as Social Change and Urban Mobility unit (SCUM).

## **History of the Grant Agency**

Background information about (one of) the grant agency(ies) which funded the study. Especially relevant if said grant agency(ies) is (are) no longer active or if its (their) name was changed. Use the "+" button to add more fields in case there are several grant agencies.

#### For example:

This project was funded by Support for PROjects on Urban Trends (SPROUT). This new organization redistributes the financial funds of 20 private persons and companies to research and innovation projects through a competitive selection procedure. For more information, see <u>www.sproutgrants.be</u>