

II. Data documentation made easy with DataWiz

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Psychology: Data collections in tabular (matrix) form

```
000165 000000 000000 101240 055100
176477 064545 124546 176551 157775
000077 000000 000000 102340 055500
072477 062775 063151 064651 143775
000077 000000 000000 104100 176500
112551 111623 111623 151623 121077
176477 071775 062775 063151 000251
010500 010421 010421 160421 076477
064477 176775 176565 064545 000146
```

Experiment1.sav

Binary representation (proprietary SPSS format)

Winter, K., Pummerer, L., Hornsey, M. J., & Sassenberg, K. (2021). Dataset for: Pro-vaccination subjective norms moderate the relationship between conspiracy mentality and vaccination intentions [Data set]. PsychArchives. <https://doi.org/10.23668/PSYCHARCHIVES.4959>

The SPSS Dictionary (also called “code book”) is part of the SPSS data file (.sav) and it holds all metadata, specifically, .sav: Can contain names and labels for variables, an unformatted textual description, and an extension record with attributes.

Psychology: Data collections in tabular (matrix) form

cm	att_vacc	sn_vacc	int_vacc
4,83	5,60	6,00	88,00
3,58	6,40	7,00	95,00
5,58	4,60	6,00	82,50
1,83	6,20	6,00	76,00
2,75	6,80	6,00	91,50

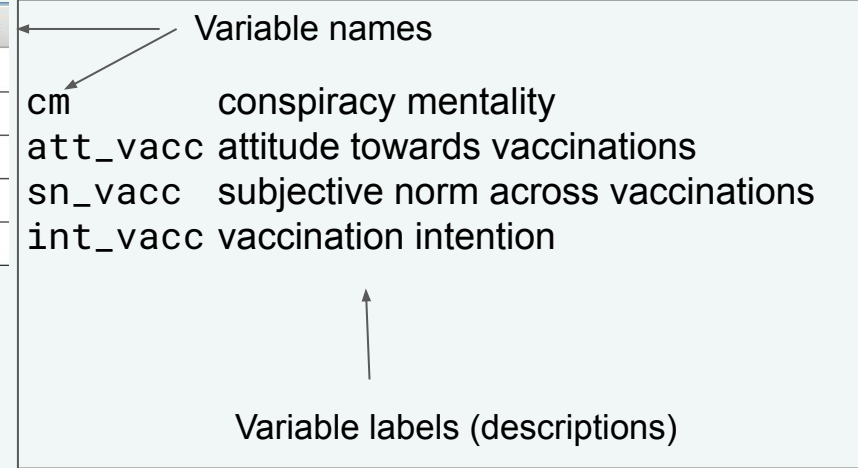
Experiment1.csv

ASCII representation (open format)

Psychology: Data collections in tabular (matrix) form

cm	att_vacc	sn_vacc	int_vacc
4,83	5,60	6,00	88,00
3,58	6,40	7,00	95,00
5,58	4,60	6,00	82,50
1,83	6,20	6,00	76,00
2,75	6,80	6,00	91,50

ASCII-based .csv data file



Data-level documentation

DataWiz automatically imports variable names into a studies' codebook (.sav & .csv - files)

Psychology: Data collections in tabular (matrix) form

cm	att_vacc	sn_vacc	int_vacc
4,83	5,60	6,00	88,00
3,58	6,40	7,00	95,00
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1,83	6,20	6,00	76,00
2,75	6,80	6,00	91,50

cm conspiracy mentality
 att_vacc attitude towards vaccinations
 sn_vacc subjective norm across vaccinations
 int_vacc vaccination intention

ASCII-based .csv data file

cm - the mental preparedness to belief in conspiracy theories (score from 1.0 to 7.0 on the “Conspiracy Mentality Scale”).

[A novel measure of the tendency to believe in conspiracy theories, see Stojanov, A., & Halberstadt, J. (2019). The Conspiracy Mentality Scale. Social Psychology, 50, 215–232. doi:10.1027/1864-9335/a000381]

← **Study-level documentation.**
 Reference to instrument (scale)

Psychology: Data collections in tabular (matrix) form

How were the data collected?

When, where, by whom?

Study population, sampling procedure, units of observation, ...



DataWiz

Upload your data and materials and transfer them to a sustainable format; describe your data such that they can be understood and re-used; prepare for self-archiving or transfer to a repository.

Assumptions

- DataWiz-Users
 - Individual researchers who handle their own data
 - Individuals who were chosen by a research group as a representative to handle their data
- Data format
 - SPSS or non-proprietary, text-based representation of tabular (row & column) data: .sav; .csv, .tab, .tsv, (.txt)

The DataWiz brand comprises several data management services, e.g. *data documentation*, ethics application forms, pre-registration templates, notebooks and more to come.

Here we are concerned with the ***Data Documentation Web-Service***.

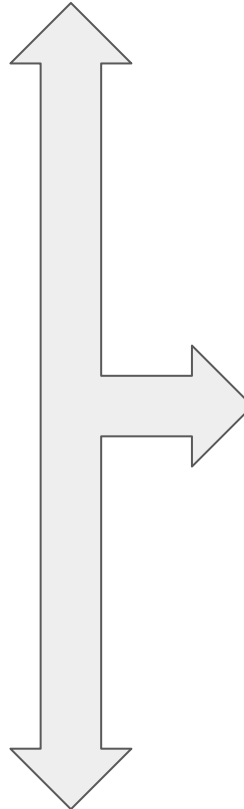
Click *Data Documentation* on the dashboard

You need to log in either with your ORCID† account or with your ZPID account

†Open Researcher and Contributor ID; provides a persistent identity for researchers and can be used for authentication; quasi-standard, > 11 mio users

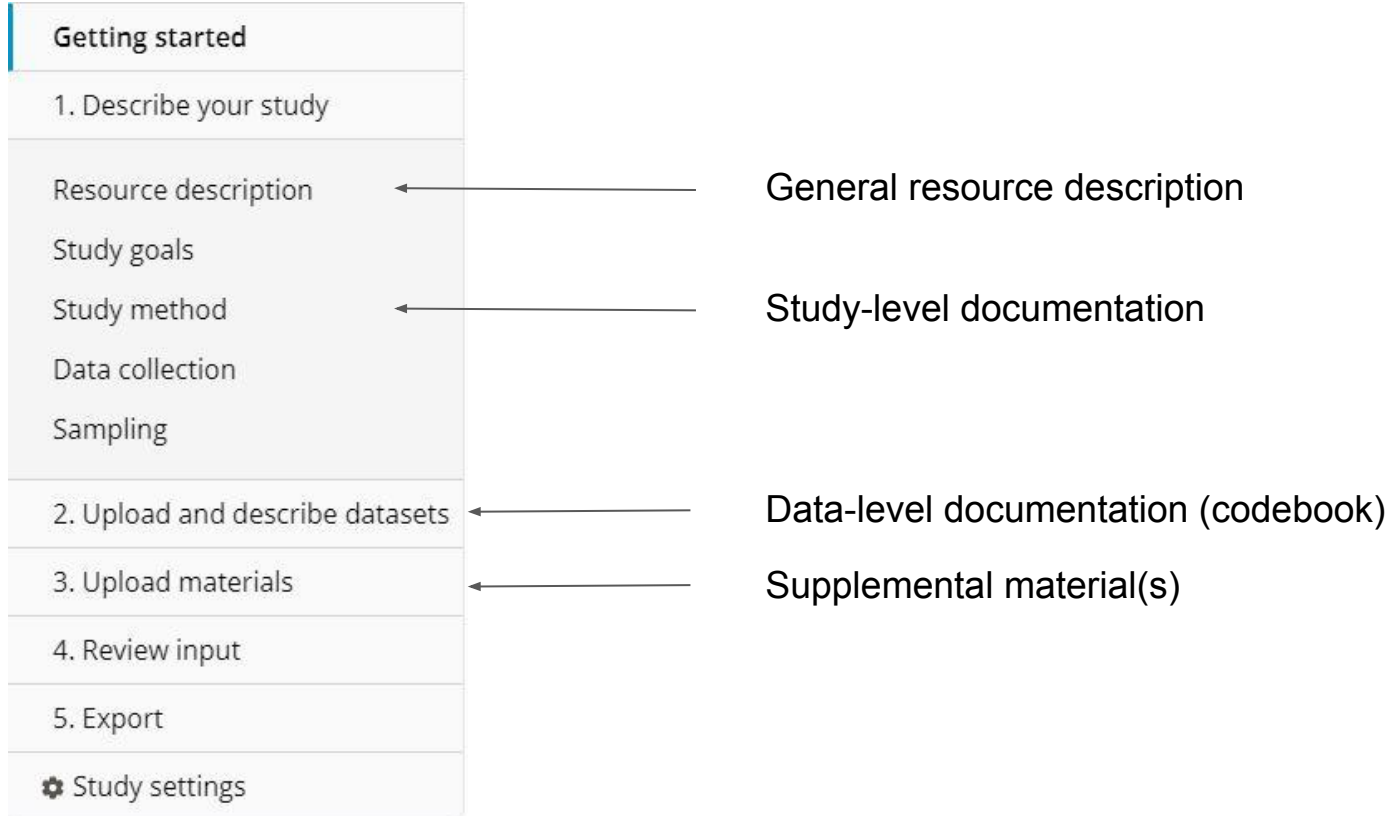
The *Data Documentation Web-Service* runs in any *Web-Browser*

Getting started
1. Describe your study
Resource description
Study goals
Study method
Data collection
Sampling
2. Upload and describe datasets
3. Upload materials
4. Review input
5. Export
⚙ Study settings



Features

The *Data Documentation Web-Service* runs in any *Web-Browser*



General resource description

Title	Provide a title for your dataset (dc.title)
Description	A brief description of the dataset (dc.description.abstract)
Related publications	The bibliographic citation for related publication(s)
Creator(s)	The person(s) responsible for creating the dataset. Usually these are the PIs of a study (dc.contributor.author)

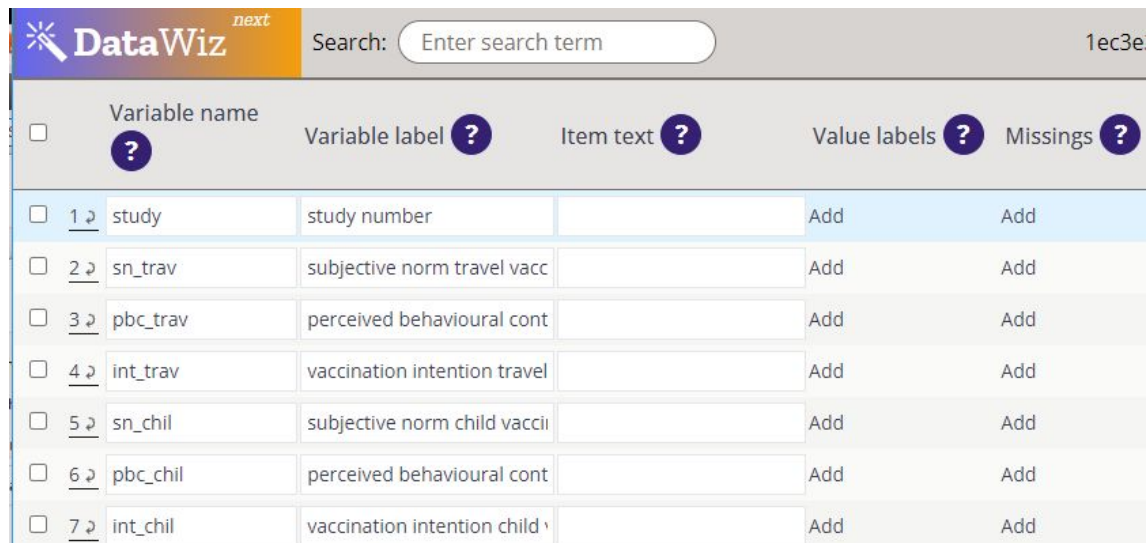
Study-level documentation

Study goals	Objectives and hypotheses
Study method	Research design and setting
Data collection	Tests and measures and apparatus
Sampling	Participants, population, inclusion and exclusion criteria, sampling method, sample size, power analysis

Data-level documentation

Upload dataset(s) Tabular data in flat rectangular files: .sav, .csv, .tsv (.txt)

Edit codebook Codebooks are imported from datasets (if present); otherwise edit from scratch



The screenshot shows the DataWiz web interface. At the top, there is a search bar with the text "Search: Enter search term" and a user ID "1ec3e". Below the search bar is a table with the following columns: "Variable name", "Variable label", "Item text", "Value labels", and "Missings". Each column has a question mark icon. The table contains seven rows of variables, each with a checkbox, a dropdown menu, and a value label.

<input type="checkbox"/>	Variable name	Variable label	Item text	Value labels	Missings
<input type="checkbox"/>	1 study	study number		Add	Add
<input type="checkbox"/>	2 sn_trav	subjective norm travel vacc		Add	Add
<input type="checkbox"/>	3 pbc_trav	perceived behavioural cont		Add	Add
<input type="checkbox"/>	4 int_trav	vaccination intention travel		Add	Add
<input type="checkbox"/>	5 sn_chil	subjective norm child vacci		Add	Add
<input type="checkbox"/>	6 pbc_chil	perceived behavioural cont		Add	Add
<input type="checkbox"/>	7 int_chil	vaccination intention child		Add	Add

Data-level documentation (codebook, data dictionary)

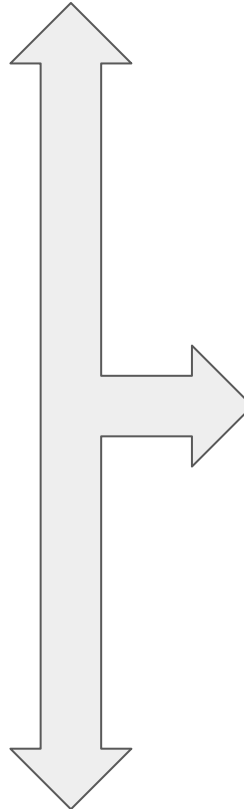
Variable name	The name of the variable (<i>cm</i>)
Variable label	The description of the variable (<i>conspiracy mentality</i>)
Item text	The item text (if applicable) (<i>./.</i>)
Value labels	The textual descriptions of the coded values (variables codes) (<i>./.</i>)
Missings	Missing data code (if applicable) (<i>none</i>)
Measure	"An item or set of items that provides an indication of the quantity or nature of the phenomenon under study" (see study-level documentation)

Data-level documentation (codebook, data dictionary)

Variable name	The name of the variable (<code>pbc_chil</code>)
Variable label	The description of the variable (<code>perceived behavioural control child vaccination</code>)
Item text	The item text (if applicable) (" <code>Whether I get my child vaccinated or not depends solely on me</code> ")
Value labels	The textual descriptions of the coded values (variables codes) {1=do not agree at all} {2=2} {3=3} {4=4} {5=5} {6=6} {7=fully agree}
Missings	Missing data code (if applicable) (<code>none</code>)
Measure	"An item or set of items that provides an indication of the quantity or nature of the phenomenon under study" (see study-level documentation)

The *Data Documentation Web-Service* runs in any *Web-Browser*


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4. Review input
5. Export
⚙ Study settings



Features

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Upload supplementary materials



Or drag files here to upload.

My materials ?

Uploaded materials will appear here.

[← Upload datasets](#)

[Review input →](#)

Materials help

Supplementary information helps understanding your research and evaluating claims. Materials can be post-prints, reports, lab computer code, data management ethics approval forms, consent registration documents, anything that helps to understand your research.

It is considered good practice for research to be as open as possible. Open science involves making data and publications available to the community but also ensuring the integrity and quality of research and workflows. DataWiz promotes research transparency by bundling your research data and the supplemental materials can be imported by public repositories like PsychArchiv.

Upload supplementary materials

 Upload files

Or drag files here to upload.

My materials ?

SYNTAX_merged analysis.sps

 Delete

Upload date November 16, 2021 18:21 File size 3.56 KiB

SYNTAX_merged analysis.txt

 Delete

Upload date November 16, 2021 18:21 File size 3.54 KiB

Pro-vaccination subjective norms moderate the relationship between conspiracy mentality and vaccination intentions.pdf

 Delete

Material

Supplementa helps unders your researc claims. Matei post-prints), computer co ethics appro registration c anything that

It is consider research to b possible. Ope making data the commun and workflov of research t bundle your and the supp can be impor repositories l

? My mate


The *Data Documentation Web-Service* runs in any *Web-Browser*

Review input

Review your documentation and check for completion and correctness.

Resource description

Title

Pro-vaccination subjective norms moderate the relationship between conspiracy mentality and vaccination intentions 

Description

Increasing vaccination hesitancy threatens societies' capacity to contain pandemics and other diseases. One factor that is associated with vaccination positively intentions is a supportive subjective norm (i.e., the perception that close others approve of vaccination). On the downside, there is evidence that attitudes toward negative vaccinations are partly rooted in conspiracy mentality (i.e., the tendency to believe in conspiracies).



Related publications

Review i

TODO Adc

Export data documentation

Export your data documentation in one ZIP file.

Export format

Choose the file format for the study documentation. JSON is way geekier, XML is harder to read.

Export as JSON Export as XML

Include datasets

DATA_merged dataset.sav

Include supplementary materials

Choose which materials to include in the export file

SYNTAX_merged analysis.sps

SYNTAX_merged analysis.txt

Pro-vaccination subjective norms moderate the relationship between

Export

TODO

The screenshot shows a Windows File Explorer window with the address bar set to `C:\Users\erich\Downloads\conspiracy_mentality (1).zip\`. The menu bar includes 'Datei', 'Bearbeiten', 'Ansicht', 'Favoriten', 'Extras', and 'Hilfe'. The ribbon contains icons for 'Hinzufügen', 'Entpacken', 'Überprüfen', 'Kopieren', 'Verschieben', 'Löschen', and 'Eigenschaften'. The address bar shows a folder icon and the path `C:\Users\erich\Downloads\conspiracy_mentality (1).zip\`. The main area displays a table of files:

Name	Größe	Gepackte Größe	Geändert am
datasets			
data_merged_dataset	0	0	2021-11-17 10:00
codebook.json	9 890	660	2021-11-17 10:00
datamatrix.csv	259 887	39 182	2021-11-17 10:00
original_DATA_merged dataset.sav	219 608	52 995	2021-11-17 10:00
study.json	2 676	1 017	2021-11-17 10:00



psycharchives.org

conspiracy_mentality.zip →



osf.io



zenodo.org



End of Part II. Thank You!

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Rheinland-Pfalz

MINISTERIUM FÜR
WISSENSCHAFT, WEITERBILDUNG
UND KULTUR



Bundesministerium
für Gesundheit



Deutsche
Forschungsgemeinschaft
German Research Foundation