

Questasy: Documenting and Disseminating Longitudinal Data Online with DDI 3

Edwin de Vet



CentERdata
Institute for data collection and research



CentERdata

- Research institute
 - University of Tilburg, Netherlands
- Data collection
 - Manage several panels
- Quantitative Analysis
- Software solutions

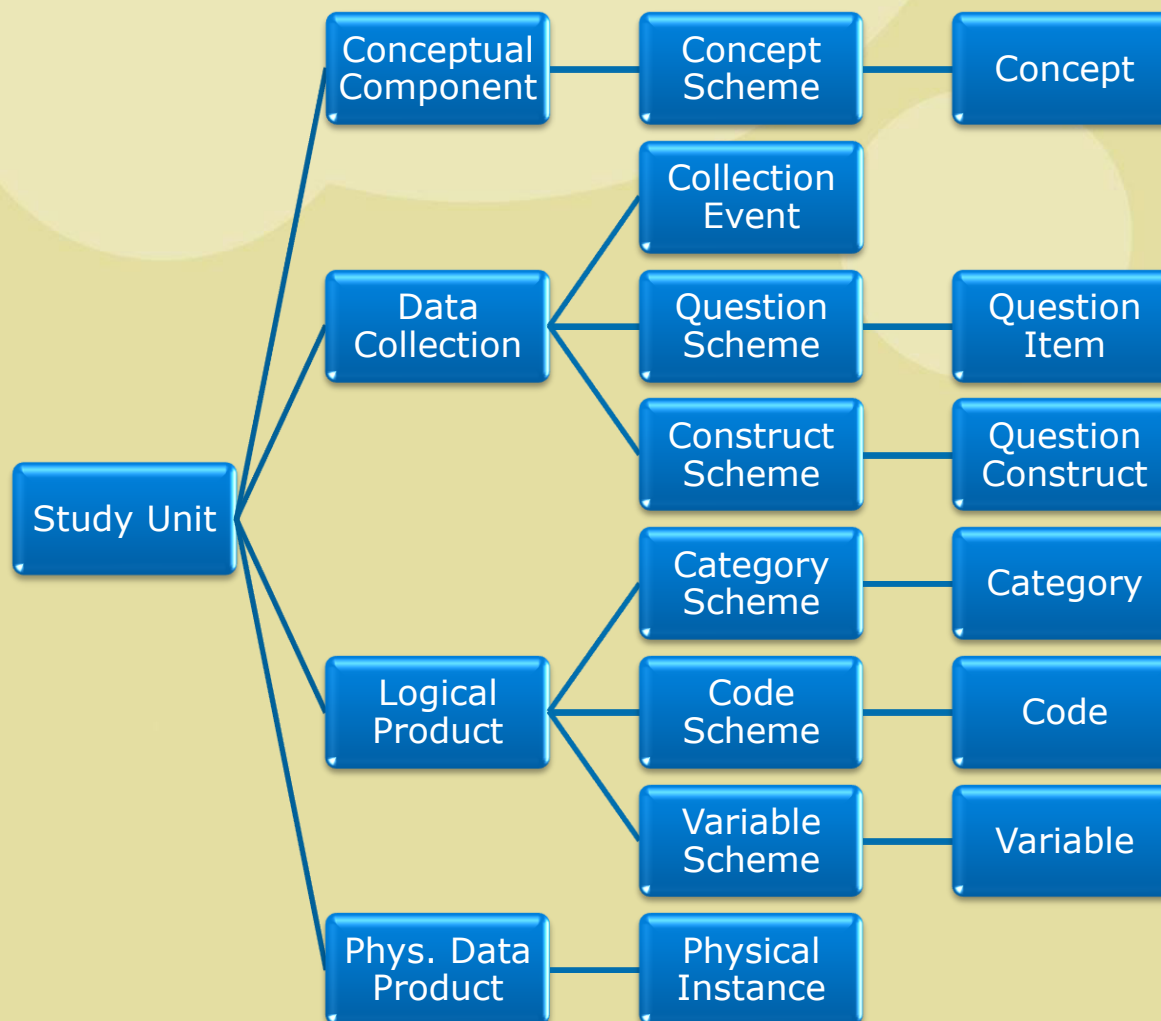


LISS Panel

- ~6000 households in Netherlands
- Studies conducted on various schedules
 - Includes longitudinal studies
- Datasets prepared on various schedules

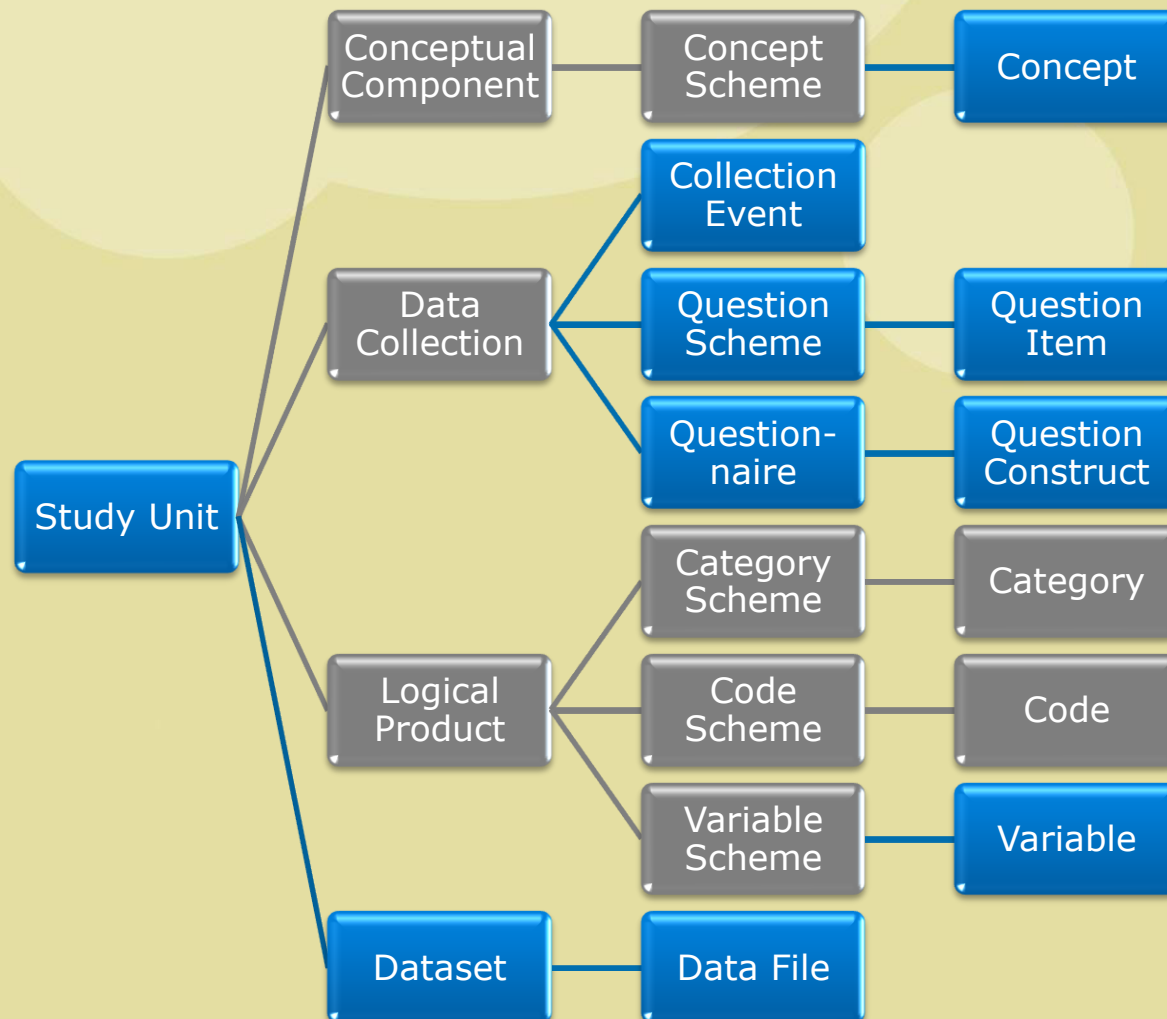


“DDI is Complex”





Questasy Hides DDI Complexity



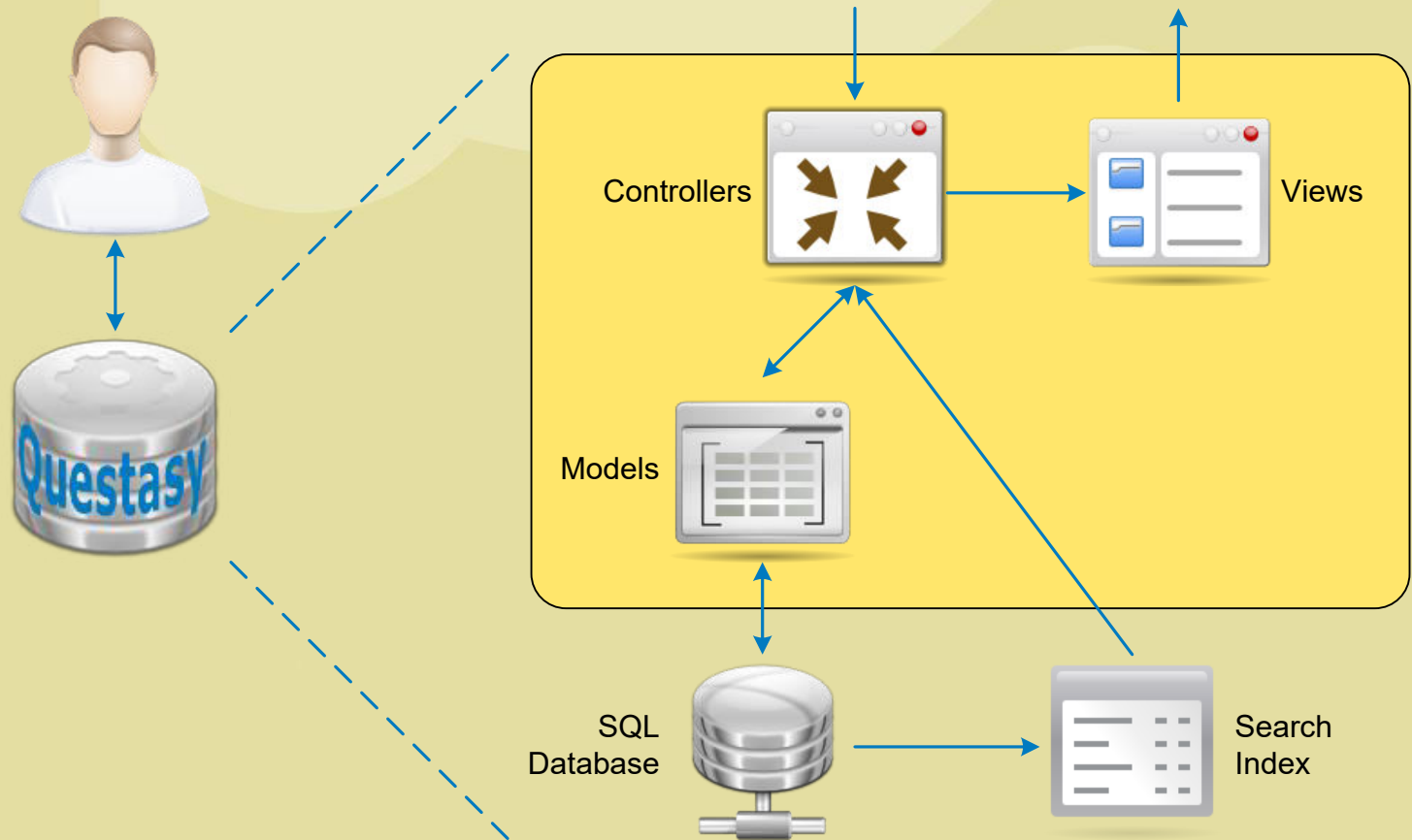


Questasy

- Web application based on DDI 3
- Manages data & metadata
- Administrator Interface
 - Data entry without DDI knowledge
- Researcher Interface
 - Browse/search metadata
 - Download data, variable export
- Public Interface
 - Browse/search metadata



Questasy Architecture





Add Question Item

LISSE PANEL **CentERdata** Institute for data collection and research [login](#)

Menu Bar
Home / LISS Studies / Election Study / Questions

Add Question

Name

Source

Question Text

Question Text

Intent

Table Header ☐

New Answer Type ☒

Add Response Domain

Standard ☐

Domain Type

Position	Code	Label	Label	Remove
1	<input type="text" value="1"/>	<input type="text" value="Yes"/>	<input type="text" value="Ja"/>	
2	<input type="text" value="2"/>	<input type="text" value="No"/>	<input type="text" value="Nee"/>	

Add at position

Include Don't Know ☐

Include Refusal ☒

Refusal Code

Refusal Label

Refusal Label

QBase3 © 2008 CentERdata

Question Item

Response Domain
Code Scheme
Code (multiple)
Category Scheme
Category (multiple)



Researcher Interface

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 **Data Archive**

 **Baskets**
Test basket
- 8 Variables [View]
- Manage Baskets

My Account
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- Logout
- View Account

Search
Enter search text...
- Advanced Search

lissdata.nl > Data Archive

Help

LISS Panel Data Archive Homepage

Please select one of the following links to start accessing the LISS data and metadata.

**Getting Started**
Information about the LISS Panel Data Archive for first time users.

**Browse Studies**
View the list of all LISS studies.

**Search**
Search the data archive. You can also go directly to the [Advanced Search](#).

**My Account**
Manage my contact information, preferences and publications.

**Browse Topics**
View all studies and publications by topic.

**Browse Publications**
View publications that are based on LISS panel data.

**Logout**
Logout of the archive.


**Browse Concepts**
View the concepts used in the LISS Core Study.


**Users Network**
View other users of LISS panel data.

Disclaimer



Question View

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 **Data Archive**

Baskets
avar test
- 9 Variables [View]
- Manage Baskets

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Alert
- Logout
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Search
Enter search text...
- Advanced Search

[lissdata.nl](#) > [Data Archive](#) > [Study Units](#) > [LISS panel](#) > [Work and Schooling](#) > [Wave 1](#) > [Questionnaires](#) > [WorkSchooling2008](#) > [cw031](#) [Help](#)


Question cw031

<< prev | next >>

Selection of respondents: if cw005#1 and work2=1


 English

Question Text: Which of these statements best describes your situation? My education ...
Answer Type: Categories
1 is approximately at the level required by my work
2 is higher than the level required by my work
3 is lower than the level required by my work
4 is for another kind of work than for my current work
5 has become outdated because the work has changed
6 has no relation at all to my current work
7 is insufficiently geared to the work practice
Special Codes
99 I don't know

 Dutch

Question Text: Welke uitspraak komt het meest overeen met uw situatie. Mijn opleiding ...
Answer Type: Categories
1 ligt ongeveer op het niveau dat het werk vereist
2 is hoger dan het werk vereist
3 is lager dan het werk vereist
4 is voor ander werk dan het huidige werk dat ik doe
5 is verouderd doordat het werk anders is geworden
6 heeft geen enkele relatie met het werk dat ik doe
7 is niet voldoende praktijkgericht
Special Codes
99 ik weet het niet

Related Variables

Variable	Dataset	Study Unit	Add to Basket
cw08a031	cw08a (English version)	LISS panel > Work and Schooling > Wave 1	

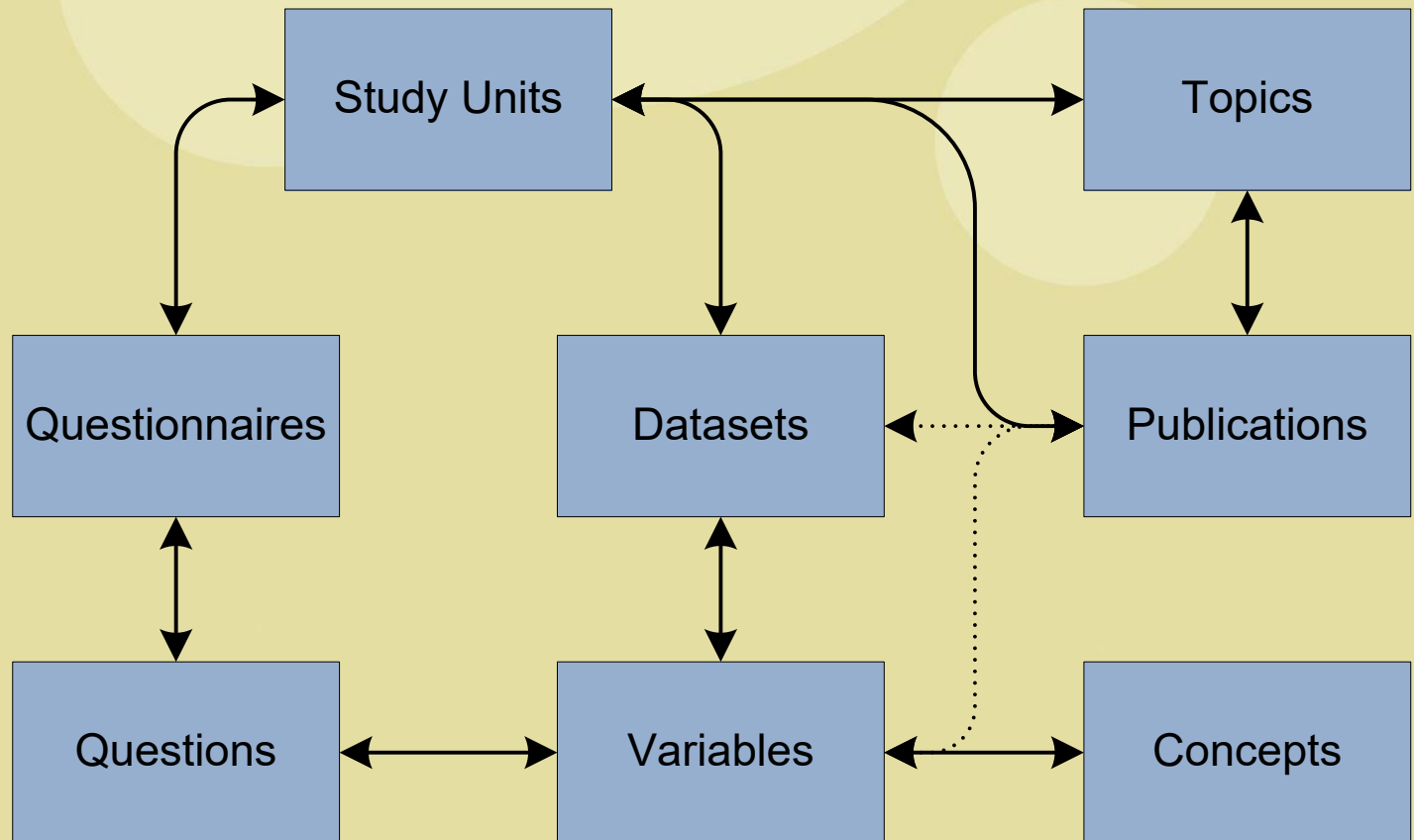
Related Questions

Question	Questionnaire	Study Unit
cw031	WorkSchooling2009	LISS panel > Work and Schooling > Wave 2
cw031	WorkSchooling2010	LISS panel > Work and Schooling > Wave 3
cw031	WorkSchooling2011	LISS panel > Work and Schooling > Wave 4

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Questasy Relationships





Other Recent Features

- Version 3.4
 - Support for multiple panels
 - Themes
 - Search Engine Optimization (SEO)
 - Performance Improvements
- Version 4.0
 - Variable Baskets
 - Custom datasets
 - Custom codebooks





Questasy version 4.1

- New view for study units
- Images inside questions
- Search function improved + restyled
- Versioning of questions
- Variable basket: long format data support



Study Unit View - Tab 1

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Search
Enter search text...
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lissdata.nl > Data Archive > Study Units > LISS panel > Financial Literacy Help

68 Financial Literacy

Study information overview **Data, Documentation & Publications**

General Information

Title	Financial Literacy	Researcher	Mark van Overveld, CentERdata
Panel	LISS panel	Analysis Unit	Individual
Project Number	68	Publisher	CentERdata
Abstract	This study consists of five questions concerning people's financial literacy.	Copyright	© 2012 CentERdata
Study Type	Assembled Studies	Funding Organization	CentERdata/MESS Project
Longitudinal Type	Single Wave Study		
Begin date	2011-08-01		
End date	2011-08-31		
Topics	Income, property and investment		
Note			

Response Overview

Selected number of household members: 6,778 (100%)
Non-response: 1,918 (28.3%)
Response: 4,860 (71.7%)
Complete: 4,858 (71.7%)
Incomplete: 2 (0.0%)

Collection Events

Data Collection Period:	2011-08-01 to 2011-08-30
Sample:	panel members aged 16 years or older
Data Collection Mode:	internet survey
Fieldwork Organization:	CentERdata
Fieldwork Note:	A reminder was sent twice to non-respondents.

The full questionnaire consisted of two parts; the first part was about the interpersonal effects of weeping (study fh11b), and the second part presented the financial questions.


Questionnaires


Name	Description
Financial Literacy	The questionnaire was originally conducted in Dutch

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Study Unit View – Tab 2

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Test basket
- 8 Variables [View]
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Search
Enter search text...
- Advanced Search

lissdata.nl > Data Archive > Study Units > LISS panel > Financial Literacy Help

68 Financial Literacy

Study information overview | Data, Documentation & Publications

Codebooks and Other Materials

Filename: codebook_ew11a_EN_1.0.pdf
Material Type: pdf
Description: Codebook in English
File: [Download](#)

Filename: codeboek_ew11a_NL_1.0.pdf
Material Type: pdf
Description: Codebook in Dutch
File: [Download](#)

Datasets

Dataset: ew11a
Version: 1.0
Note:
Variables: [View Variables](#)

Datafiles

Filename	Type	Note	Download
ew11a_EN_1.0p.sav	zip_spss	SPSS file	Download
ew11a_EN_1.0p.dta	zip_stata	STATA file	Download

Codings

There are no Codings for this Dataset


Publications


There are currently no publications available that are related to this study.

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Images in Questions

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 **Data Archive**

My Account

- Alert
- Logout
- View Account

Search

- Enter search text...
- Advanced Search


lissdata.nl > Data Archive > Study Units > LISS panel > Politics and Values > cv053 Help

Question cv053

Version: 1.0.0

English

Question Text:
Nowadays, for one or other reason, some people do not vote.




Did you vote in the most recent parliamentary elections, held on 22 November 2006?

Answer Type: Categories

- 1 yes
- 2 no
- 3 not eligible to vote

Dutch

Question Text:
Sommige mensen stemmen tegenwoordig om de een of andere reden niet.



Hebt u tijdens de laatste Tweede Kamer verkiezingen op 22 november 2006 gestemd?

Answer Type: Categories

- 1 ja
- 2 nee
- 3 niet stemgerechtigd

This Question was asked in the following Questionnaires

Name	Question Version	Questionnaire	Study Unit
cv053	1.0.0	Politics and Values	LISS panel > Politics and Values > Wave 1
cv053	1.0.0	Politics and Values	LISS panel > Politics and Values > Wave 2
cv053	1.0.0	Politics and Values, wave 3	LISS panel > Politics and Values > Wave 3
cv053	1.0.0	Politics and Values, wave 4	LISS panel > Politics and Values > Wave 4
cv053	1.0.0	Politics and Values, wave 5	LISS panel > Politics and Values > Wave 5




Indexed Search Engine

- Sphinx search engine
- Indexed fields defined in configuration file
- Added: search for files and datasets
- Pagination of search results
- Filtering of search results



Search Results

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 **Data Archive**

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Search

Enter search text... Search

- Advanced Search

lissdata.nl > Data Archive > Search Help

Search

Search for or [Advanced Search](#)

Usage: **AND** hello & world **OR** hello | world **NOT** hello -world
Please note that words that are shorter than three characters are ignored by the search engine.

Search Results
Number of results: 4331
[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [Next](#)

All Fields

Study Units

Concepts

English Questions & Answer Text

Dutch Questions & Answer Text

Variables

Publications

File (Other material)

File (Dataset)

Dataset

[Norm of having children](#)
[Concept]
Norm of **having** children

[ca057-ca062](#)
[Question Item]
..., did you **have** one or more of..., did you **have** one or more ..., did you **have** a loan or credit ..., did you **have** money loaned from...
Study Unit: [Economic Situation: Assets](#)
Panel [LISS panel](#)
Version 1.0.0

[df003](#)
[Question Item]
... view, do you **have** healthy or unhealthy eating habits? - I **have** very unhealthy ... unhealthy either I **have** healthy eating ...
Panel [LISS panel](#)
Version 1.0.0

[eo010](#)
[Question Item]
... with walking I **have** moderate problems with walking I **have** a bit of a problem with walking I **have** no problems with ...
Study Unit: [EQ-5D](#)
Panel [LISS panel](#)
Version 1.0.0

[eo011](#)
[Question Item]
...dressing myself I **have** moderate problems...dressing myself I **have** a bit of a problem...dressing myself I **have** no problems with...
Study Unit: [EQ-5D](#)
Panel [LISS panel](#)



Versioning of Questions

- Simple implementation without major restructuring of the database
- Added a 'version' column to question items table
- Mainly relevant for longitudinal studies



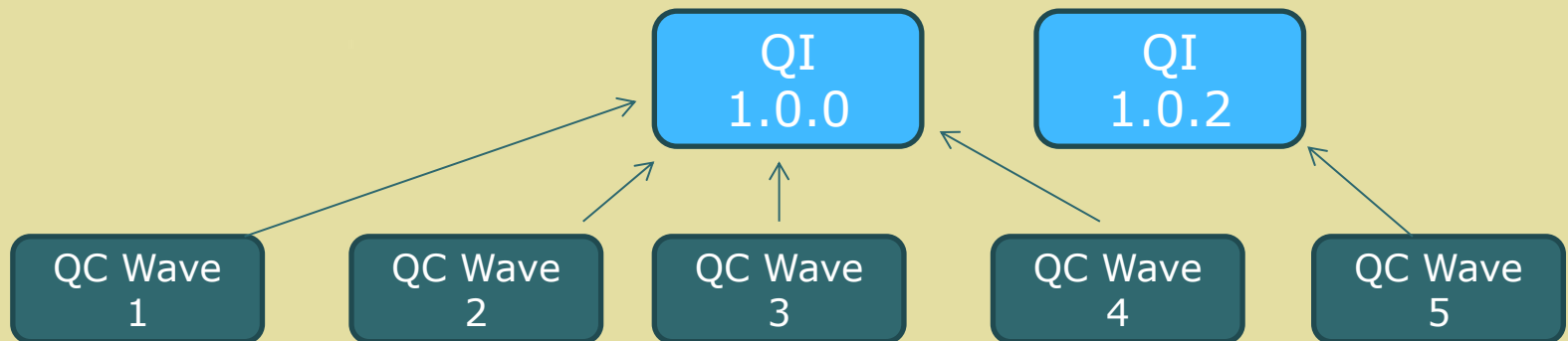
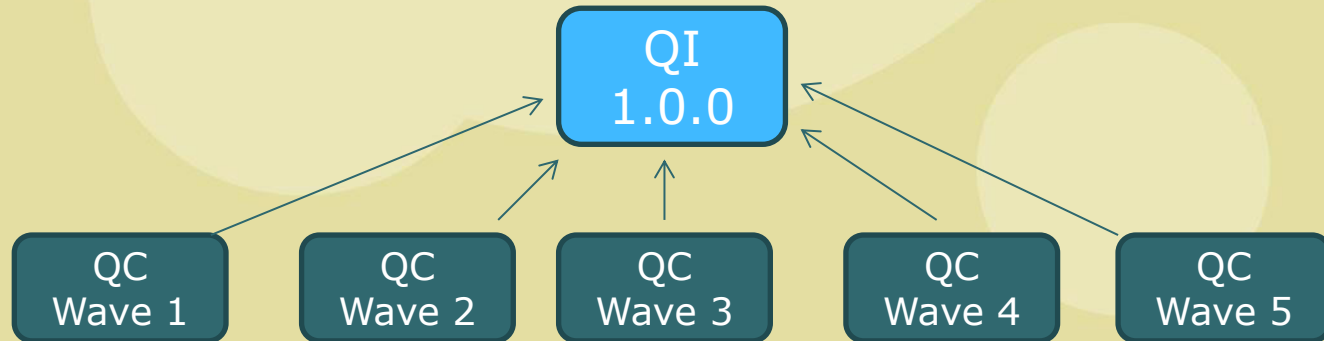
Versioning of Questions

Question items are each other versions if:

- Have the same name
- Are located in the same question scheme
- Have a different version number





Versioning – Longitudinal Study





View of Versioned Question

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 **Data Archive**

My Account

Alerk
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Search

Enter search text... Search


- Advanced Search

lissdata.nl > Data Archive > Study Units > Resource Core Studies > ch022


Help

Question ch022

Version: 1.0.2

 English

Question Text: To what extent did your physical health or emotional problems hinder your work over the past month, for instance in your job, the housekeeping, or in school?
Answer Type: Categories
1 not at all
2 hardly
3 a bit
4 quite a lot
5 very much

 Dutch

Question Text: In welke mate hebben uw lichamelijke gezondheid of uw emotionele problemen u de laatste maand belemmerd in uw werk, bijvoorbeeld in uw baan, in het huishouden, of op school?
Answer Type: Categories
1 helemaal niet
2 vrijwel niet
3 een beetje
4 tamelijk veel
5 heel erg veel

Other versions of this questions

Name	Question Version	Created	Modified
ch022	1.0.0	2009-03-26 13:06:10	2010-05-31 10:12:21

This Question was asked in the following Questionnaires

Name	Question Version	Questionnaire	Study Unit
ch022	1.0.2	Health_wave5	LISS panel > Health > Wave 5
ch022	1.0.0	Health2007	LISS panel > Health > Wave 1
ch022	1.0.0	Health2008	LISS panel > Health > Wave 2
ch022	1.0.0	Health_wave3	LISS panel > Health > Wave 3
ch022	1.0.0	Health_wave4	LISS panel > Health > Wave 4
ek017	1.0.0	Health	Immigrant panel > Health > Wave 1



Versioning of Questions - Tables

Table headers with subquestions

- Versioned as one block
- If the header or one of the subquestions changes, a new version of the complete block is created
- The header and subquestions have all the same version number





Variable Baskets

- Researchers can choose variables to create custom datasets
- Questasy baskets
 - Variable baskets per panel
 - Each researcher can create/manage multiple baskets
 - Basket management integrated into web interface
 - Download custom datasets along with custom codebooks



Add Variables to Basket

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 **Data Archive**

Baskets
Example Basket
- 9 Variables [View]
- Manage Baskets

My Account
Alert
- Logout
- View Account

Search
Enter search text... Search
- Advanced Search


lissdata.nl > Data Archive > Study Units > LISS panel > Social Integration and Leisure > Wave 1 > cs08a [Help](#)


Variables for Dataset cs08a

Records 1 - 415 of 415. Page 1 of 1

Name	Label	Variable Type	Add to Basket
nomem_encr	Number of household member encrypted	preloaded	<input type="radio"/>
nohouse_encr	Number of household encrypted	preloaded	<input type="radio"/>
cs08a_m	Year and month of field work period	constructed	<input type="radio"/>
cs08a001	How satisfied are you with the amount of leisure time that you have?	directly measured	<input checked="" type="radio"/>
cs08a002	How satisfied are you with the way in which you spend your leisure time?	directly measured	<input type="radio"/>
cs08a003	a sports club or club for outdoor activities, no connection	directly measured	<input type="radio"/>
cs08a004	a sports club or club for outdoor activities, donated money	directly measured	<input checked="" type="radio"/>
cs08a005	a sports club or club for outdoor activities, participated in an activity	directly measured	<input type="radio"/>
cs08a006	a sports club or club for outdoor activities, member	directly measured	<input checked="" type="radio"/>
cs08a007	a sports club or club for outdoor activities, performed voluntary work	directly measured	<input type="radio"/>
cs08a008	a cultural association or hobby club, no connection	directly measured	<input type="radio"/>
cs08a009	a cultural association or hobby club, donated money	directly	<input type="radio"/>

Basket Download

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 **Data Archive**

Baskets
Example Basket
- 9 Variables [View]
- Manage Baskets

My Account
Alerts
- Logout
- View Account



Search
Enter search text... Search
- Advanced Search


lissdata.nl > Data Archive > Baskets > Example Basket Help

Example Basket










Panel [LISS panel](#)

Description

Download Data  [SPSS](#) |  [STATA](#)

Codebook [View HTML](#) |  [Download PDF](#)

Variables

Name	Dataset	Study Unit	Add to Basket
geslacht	Avars	Background Variables > 2007	
positie	Avars	Background Variables > 2007	
gebjaar	Avars	Background Variables > 2007	
geslacht	Avars	Background Variables > 2008	
positie	Avars	Background Variables > 2008	
gebjaar	Avars	Background Variables > 2008	
cs08a001	cs08a	Social Integration and Leisure > Wave 1	
cs08a004	cs08a	Social Integration and Leisure > Wave 1	
cs08a006	cs08a	Social Integration and Leisure > Wave 1	

[Refresh](#)

Disclaimer



Wide versus Long Format

- Wide Data: one row for each individual
- Long Format Data: multiple rows for each individual

Examples of Long Format Data:

- Background variables
- Weigh data



Basket – Wide versus Long

Only wide format

- Join variable -> Id of individual

Wide format + Long format

- Join variable -> Id of individual
- Wave -> Year + Month



Basket – One Wide Variable

EDDI_1.sav [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Direct Market Graphs Utilities Add-on: Window Help

3131 : nomem_encr Visible: 2 of 2 Variables

	nomem_encr	au09a001	var	var
3127	897470	2		
3128	897558	6		
3129	897613	2		
3130	897625	1		
3131	897653	5		
3132	897659	5		
3133	897680	4		
3134	897702	4		
3135	897717	3		
3136	897738	1		
3137	897766	2		
3138	897772	8		
3139	897805	8		
3140	897839	9		
3141	897851	8		
3142	897863	8		

Data View Variable View

IBM SPSS Statistics Processor is ready



Basket – Adding Long Format

EDDI-1.sav [DataSet3] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

3213 : nomem_encr 897653 Visible: 5 of 5 Variables

	nomem_encr	wave	au09a001	weightime	weight	
3207	897451	201101	.	00:36:27	72,00	
3208	897454	.	3		.	
3209	897470	.	2		.	
3210	897558	.	6		.	
3211	897613	.	2		.	
3212	897625	.	1		.	
3213	897653	201101	5	09:22:08	74,80	
3214	897653	201101	5	06:53:48	74,90	
3215	897653	201101	5	08:18:21	74,70	
3216	897653	201101	5	08:55:10	75,00	
3217	897653	201101	5	12:03:26	76,90	
3218	897653	201101	5	09:22:45	74,80	
3219	897653	201101	5	06:47:34	75,10	
3220	897653	201101	5	06:41:23	74,60	
3221	897653	201101	5	11:05:17	74,50	
3222	897653	201101	5	12:57:25	76,50	
3223	897653	201101	5	08:09:15	74,80	
3224	897653	201101	5	06:54:04	75,00	

Data View Variable View

IBM SPSS Statistics Processor is ready



Licensing

- Free
 - Including source code
- License agreement available
- Available for non-profit scientific & government institutes



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