Questasy: Documenting and Disseminating Longitudinal Data Online with DDI 3

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CentERdata

• Research institute
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• 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
Longitudinal Metadata

Wave 1
Question Construct q003
MM/DD/YYYY
Variable w1Age
Now – Birthdate

Wave 2
Question Construct q005
Calendar Widget
Variable w2Age
Now – Birthdate
Variable w2AgeCategory
Age 0..10: 1
Age 11..20: 2
Age 21..30: 3
...

Wave 3
Question Construct q003
Calendar Widget
Variable w3Age
Now – Birthdate
Variable w3AgeCategory
Age 0..14: 1
Age 15..24: 2
Age 25..34: 3
...
DDI 3 Solution

- Project/Panel Managers
- Administrators
- Researchers
Project/Panel Managers

• Manage research

• Longitudinal metadata

• Track usage of data

• Correspond with Researchers

• Interoperability with other tools
Administrators

Easy interface for disseminating data

Hide DDI Complexity

Web interface
Researchers

- Web interface
- Easy to find content
- Multiple output formats
- Promote publications
“DDI is Complex”

Study Unit

- Conceptual Component
- Concept Scheme
- Concept

- Data Collection
- Collection Event
- Question Scheme
- Question Item
- Question Construct

- Logical Product
- Construct Scheme
- Question Construct
- Category

- Phys. Data Product
- Category Scheme
- Code Scheme
- Code

- Physical Instance
- Variable Scheme
- Variable
Questasy Hides DDI Complexity

Study Unit
  - Conceptual Component
    - Concept Scheme
      - Collection Event
        - Question Scheme
          - Questionnaire
            - Category Scheme
              - Code Scheme
                - Variable Scheme
      - Data Collection
        - Logical Product
          - Dataset
    - Logical Product
      - Dataset
  - Logical Product
    - Logical Product
      - Dataset
  - Dataset
    - Data File
      - Concept
        - Question Item
          - Question Construct
            - Category
              - Code
                - Variable
Questasy

- Web application based on DDI 3
- Manages data & metadata
- Administrator Interface
  - Data entry without DDI knowledge
  - Live in January 2009
- Researcher Interface
  - Browse/search metadata, download data
  - Live in March 2009
Questasy Architecture
Metadata Entry
Add Question Item

Add Question

Name: _politicalparty

Question Text

Are you a member of a political party?

Response Domain

Code Scheme

Code (multiple)

Category Scheme

Category (multiple)
LISS Data Archive Homepage

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

- **Getting Started**: Information about the LISS Data Archive for first time users.
- **My Account**: Manage my contact information, preferences and publications.
- **Logout**: Logout of the archive.
- **Browse Studies**: View the list of all LISS studies.
- **Browse Topics**: View all studies and publications by topic.
- **Browse Concepts**: View the concepts used in the LISS Core Study.
- **Search**: Search the data archive. You can also go directly to the Advanced Search.
- **Browse Publications**: View publications that are based on LISS panel data.
- **Users Network**: View other users of LISS panel data.
Indexed Search

• Searches across multiple elements
  • Eg. Question Text & Answer Codes

• Indexing
  • Indexes 17,000+ items in < 6 seconds
  • Runs nightly and on-demand
  • Stemming (worry matches worries)

• Searches
  • < 0.01 seconds
  • Rank results
Questasy Outputs
Demo
Do you like it?

It’s free, including source.

It’s available now.
Still like it?

Speak

- with Eric Balster or me

See

- The live website at www.lissdata.nl

Read

- The Questasy Use Case at www.ddialliance.org
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