DDI-L Infrastructure
Danish Data Archive [DDA]

• National data archive for structured research data for social science and health science
  • Since 1973
  • Unit in the National Danish Archives
  • 20 employees, 2-3 software developers
  • Survey Data, app. 2000 studies
  • DDI-L based curation process in production
  • Objectives are to spawn services of DDI-L
  • SCRUM based development cycles
Presentation Topics

1 Migration
2 Landingpage
3 Search
4 URN Service
Migration
Into DDI-L from OSIRIS

#1 Study Level Information
Relational Database System

#2 OSIRIS file + DAT file
SPSS

#3 Survey Instrument
OSIRIS

#2a Variable Data Dictionary
SPSS

#2b Variable Statistics
SPSS OXML

#3a Batch create Questions, Concepts and SubUniverses
DdiEditor Wiki Syntax
Landingpage from DDI-L

- Collection as structure
- REST
- Persistent URL
- DOI via DataCite
- Links to resources
- Rich Snippets/ Microdata - Google
  - DISCO
  - Schema.org - DataSet
  - Data Catalog Vocabulary (DCAT)
Getting to the landingpage off the DDI-L

DDI-L indexed search
Search Results

Found element
Link to codebook/ Landingpage

Context

Link to landingpage
DDIXSLT project - Codebook

V18 5B. DEADLINES CREATES MOTIVATION

Q5. To which degree do the following apply to you? (Mark only once per line)

Q5B: Deadlines create motivation for the work

% MD% Number Code Category
7 7 144 1 To a very high degree
34 36 739 2 To a high degree
35 37 760 3 Moderately
11 12 246 4 To a low degree
4 4 90 5 To a very low degree/nor at all
3 3 57 6 Not relevant for me
2 44 9 Unknown
1 1 101 10 Irrelevant

Response Rate: 93

Scale: Ordinal

Main sequence

☐ Your current job. If you have more than one job, please answer the questions for your primary occupation i.e the job in which you work the most hours.

V6: Q1: How long have you held your current position with this company? Number of years: (roughly)

V5: Q1B: How long have you held your current position with this company. Number of months:

V6: Q1C: Working hours per week in current job

Make sure only to tick one box.

V7: Q2: What type of company do you work for?

If V7=13 then seq-Q2: What type of company do you wor...

V8: Q2A: Other, please write

Q3: What are your primary duties? Please tick the duties which you spend the most time on. If you spend an equal amount of time on different duties, please tick all of them.

V9: Q3A: Editorial management

V10: Q3B: Administrative management

V11: Q3C: Editorial secretariat

V12: Q3D: Locale news

V13: Q3E: National news

V14: Q3F: Other

If V14==1 then seq-Q3F: Other

V15: Q3G: What are your primary duties? Other: (Please specify)

Now you will be asked questions concerning deadlines and feedback

You are doing god -about half way through the questionnaire :)

V16: Q4: Do you have to meet a fixed deadline?

If V16==1 then Answer question 5A to 5F

V23: Q6: How would you rate your overall health?

V24: Q7: Does your collective agreement or contract give you the right to be compensated for overtime (e.g. compensatory time-off or paid overtime)?

If V24==1 then Answer question 8 and 9 else

V28: Q10: How often are your planned working hours changed in short notice?
Advanced Search
DDI-L Denormalization

Diagram showing relationships between Universe, Concept, Variable, QuestionItem, Category, and MultipleQuestionItem.
Technical Information

XSLTForms

PlainOldXml

REST Service

XSLT

Customizable – Integrateable - Scaleable
Search API in XML

<?xml version="1.0" encoding="UTF-8"?>
<ssp:SimpleSearchParameters xmlns:sm="http://dda.dk/ddi/search-metadata"
xmlns:s="http://dda.dk/ddi/scope"
xmlns:ssp="http://dda.dk/ddi/simple-search-parameters"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://dda.dk/ddi/simple-search-parameters">
  <ssp:search-string>work</ssp:search-string>
  <sm:SearchMetaData hits-perpage="20" hit-start="1"/>
  <s:Scope>
    <s:StudyUnit/>
    <s:Variable/>
    <s:QuestionItem/>
    <s:MultipleQuestionItem/>
    <s:Universe/>
    <s:Concept/>
    <s:Category/>
  </s:Scope>
</ssp:SimpleSearchParameters>
Q13: Are you required to work late?
Landingpage - Part 2

- HTTP Content Negotiation
  - Minetype: XML, HTML
  - Language

- XML format - DDA schema
  - Simplify for reuse
  - Genericode CVs
  - da|ra design reference
Last but not least #Topic 4
DDI-L - URN Service

- URN resolution
  - ID
  - Version
Questions & Answers

- Thank You

- See you at the poster session!

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