Colectica 5

The Next Generation of Metadata Tools
Colectica Overview

Standards-based metadata management

Survey design

Data documentation

Data lifecycle documentation
# The Colectica Platform

| Colectica Designer | • Create, ingest, manage, and edit metadata  
<table>
<thead>
<tr>
<th></th>
<th>• Usable DDI 3 for end-users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colectica Repository</td>
<td>• Centralized, authoritative, metadata store built on DDI 3, ISO 11179, and Web Service standards</td>
</tr>
<tr>
<td>Colectica Portal</td>
<td>• Search and browse metadata from Colectica Repository</td>
</tr>
</tbody>
</table>
The Colectica Platform

Colectica SDK
• Allows programmers to work with DDI 3 and interact with Colectica Repository

Colectica Toolkit
• Command line utilities to perform specific tasks
New in Colectica 5

1. Aggregate data
2. Surveys and data collection
3. Eurostat data quality reporting
4. DDI 3.2
5. Translatable user interface
6. Addins
Aggregate Data
<table>
<thead>
<tr>
<th>Case ID</th>
<th>Gender</th>
<th>Married</th>
<th>Has Car</th>
</tr>
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<td>F</td>
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# Aggregate Data

<table>
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</table>
Aggregate Data (NCubes)

- Two approaches
  - Describe an existing aggregate dataset
  - Create an aggregate dataset from microdata
    - Automatically link back to microdata
## Presentation of Cubes

### Normal

<table>
<thead>
<tr>
<th>Gender</th>
<th>Is Married</th>
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<tbody>
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<td>25</td>
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<td>29</td>
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<tr>
<td>F</td>
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<td>28</td>
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</table>

### Tabular

<table>
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<tr>
<th></th>
<th>Married</th>
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</thead>
<tbody>
<tr>
<td>M</td>
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<td>25</td>
</tr>
<tr>
<td>F</td>
<td>29</td>
<td>28</td>
</tr>
</tbody>
</table>
# Previewing Cubes in Colectica 5

## Tabular

<table>
<thead>
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<th>Show dimension label</th>
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<td></td>
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</tr>
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</tbody>
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<table>
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<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
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<td>No</td>
</tr>
<tr>
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<td>Mean Age</td>
<td>Mean Age</td>
</tr>
<tr>
<td>Single</td>
<td>Mean Age</td>
<td>Mean Age</td>
</tr>
<tr>
<td>Divorced</td>
<td>Mean Age</td>
<td>Mean Age</td>
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</table>
## Previewing Cubes in Colectica 5

### Flat

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<th>Marital Status</th>
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<th>Mean Age</th>
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<tr>
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<td>Average</td>
</tr>
<tr>
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<td>Average</td>
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<tr>
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<tr>
<td>Female</td>
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<td>Average</td>
</tr>
<tr>
<td>Female</td>
<td>Single</td>
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<td>Average</td>
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<td>Female</td>
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<tr>
<td>Female</td>
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<td>Average</td>
</tr>
<tr>
<td>Female</td>
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<td>No</td>
<td>Average</td>
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</tbody>
</table>
Surveys and Data Collection

New Question Types
Surveys with Data Flows
DDI Parameters and Bindings
New Question Types

- Question Grids
  - Dynamic Rosters or Predetermined
  - Rankings
  - Distributions

- Question Blocks

- Other – Specify (AttachmentLocation)

- Scales
1. What is your name? Jeremy

2. How did you get to EDDI?
   - Plane
   - Train
   - Automobile

3. Thanks for taking the survey, Jeremy.
DDI Parameters and Bindings

What is your name?

Output: Name

Binding
Source: Name (above)
Target: Name (below)

Input: Name

Thank you, {Name}.
Survey Visualizations

- Live question preview
- Flowcharts
Flowchart Visualization

Is this house, apartment, or mobile home

What is your telephone number? We may call if we don’t understand an answer.

What is Person \{PersonCounter\}'s name?

PersonCounter \(!=\ 1\)

How is this person related to Person 1?

What is Person \{PersonCounter\}'s sex?
Data Collection System Integration

- Deep integration with data collection systems
  - SPSS Dimensions
  - Blaise
  - CASES
  - CSPro
  - REDCap
  - QueXML
  - LimeSurvey
  - More…
Eurostat Quality Reporting
Eurostat Data Quality Reporting

- DDI 3.2 QualityStatements
- Export Eurostat-compliant SDMX reporting formats
Colectica and DDI 3.2

- Support DDI 3.1 and DDI 3.2 simultaneously
- Import and export both versions
  - (DDI 2 and other formats, too)
DDI 3.2 Advantages

- Improved packaging for Web Services
- The simple things are simple
- Data flows for surveys/data collection instruments
- Improved semantics for modeling data
- Quality statements
Translatable User Interface
Translatable User Interface

- 750+ pieces of text
- Until now, all of this is English-only
- Solution: User-driven translation
## Translator Web Application

![Translator Web Application](image)

### Progress
- 35 of 788 complete

### Resources resx
- DDI Content: 9 / 89
- Other: 9 / 1

### GuiResources resx
- Command: 15 / 15
  - Classifications: 0 / 2
  - Concepts: 1 / 5
  - Data: 14 / 14
  - Data Layout: 2 / 2
  - Import: 9 / 1

<table>
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<tr>
<td>Create Code List</td>
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</tr>
<tr>
<td>Import Codes</td>
<td>Codes d'importation</td>
</tr>
<tr>
<td>Add Categories</td>
<td>Ajouter des catégories</td>
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<tr>
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<tr>
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<tr>
<td>Add Individual Categories</td>
<td>Ajouter des catégories individuelles</td>
</tr>
<tr>
<td>Auto-Number Codes from 1</td>
<td>Codes de numérotation automatique</td>
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</table>

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Translator Web Application

Translations

<table>
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</tbody>
</table>

New Translation [Input Field] [Submit]
Willkommen auf Colectica

Um loszulegen, klicken Sie auf die Schaltfläche Create New Kasse in der Multifunktionsleiste, oder verwenden Sie den Navigator auf der linken Seite.

Öffnen Sie die Colectica Benutzerhandbuch
Addins
Colectica Addins

- Customize Colectica’s appearance and behavior
- Add new functionality
Colectica Addins

https://github.com/Colectica/ColecticaSampleAddins
Availability
Sign up for the Preview Program

colectica.com/beta
Thank you

Web    colectica.com
Blog   blogs.colectica.com
Twitter @Colectica
YouTube youtube.com/colectica