



# Metadata Editor

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# Metadata Editor

- Open source web application for metadata documentation
- Supports multiple metadata standards - DDI/CodeBook 2.5, Geospatial, Time series, others
- Inspired by Nesstar Publisher
- JSON schemas and templates
- REST API



## Technology stack

- Web server (Apache/Nginx/IIS)
- PHP
- MySQL
- VueJS
- Python backend using FastAPI for data import/export

# JSON Schemas

- Metadata Editor requires JSON schemas for all supported data types (<https://json-schema.org/>)
- JSON schemas offer:
  - Validation
  - Ease of use for both human and machine
  - Interoperability across programming languages
- 

```
{
  "$schema": "http://json-schema.org/draft-07/schema#",
  "$id": "http://ihns.org/schemas/ddi2-codebook",
  "version": "0.0",
  "title": "Microdata Schema Draft",
  "description": "Schema for Microdata data type based on DDI 2.5",
  "definitions": {
    "doc_desc": {
      "type": "object",
      "title": "Document Description",
      "description": "Document Description",
      "_ddi_xpath": "docDscr",
      "properties": {
        "title": {
          "title": "Document title",
          "description": "Document title",
          "type": "string",
          "_ddi_xpath": "docDscr/citation/titlStmt/titl"
        },
        "idno": {
          "title": "Unique ID number for the document",
          "type": "string",
          "_ddi_xpath": "docDscr/citation/titlStmt/IDNo"
        },
        "producers": {
          "type": "array",
          "title": "Producers",
          "description": "List of producers",
          "_ddi_xpath": "docDscr/citation/prodStmt/producer",
          "items": {
            "type": "object",
            "properties": {
              "name": {
                "title": "Name",
                "description": "Name (required)",
                "type": "string"
              },
              "abbr": {
```



## Supported data types (schemas)

- Microdata - DDI Codebook 2.5
- Geospatial - ISO 19115
- Document - Dublin Core + MARC
- Table
- Time series
- Image - IPTC and DCMI
- Video
- Script (Reproducible research)



## Support for DDI Codebook 2.5

- JSON Schema based on DDI Codebook 2.5
- Supports document, study, data file, variable level metadata
- Python backend using FastAPI for data import/export and generation of summary statistics
  - Supports Stata, SPSS, CSV
- Import and export for DDI/XML
- Generate metadata reports in HTML and PDF



# Working with Microdata/DDI - Live Demo

Outline:

- Projects
- Collections
- Templates

# Projects





Metadata Editor About | English | Admin

## My projects

PROJECTS COLLECTIONS TEMPLATES CREATE NEW PROJECT IMPORT

Search... Recent ↑

Showing 1 - 100 of 254 projects < 1 2 3 >

<input type="checkbox"/>		Title	Owner	Modified	Created by	Actions
<input type="checkbox"/>		<b>World Food Security Outlook</b> dace47bc-8aa3-41b7-861d-96bf411fd731	Admin	2024-06-24	Admin	⋮
<input type="checkbox"/>		<b>Percentage of children who cannot read by end-of-primary-school age</b> 2d9a6a6e-125a-460f-a10a-71ac91b14147 LSMS-2 <input type="checkbox"/> test <input type="checkbox"/> Score card <input type="checkbox"/>	Admin	2024-06-24	Admin	⋮
<input type="checkbox"/>		<b>IPTC image title</b> db12d15d-14e5-4759-b057-6be3552fb9e6	Admin	2024-06-24	Admin	⋮
<input type="checkbox"/>		<b>Percentage of children under five stunted</b> 486d51af-ae5f-4a35-9f34-064d07fb6c86 Score card <input type="checkbox"/>	Admin	2024-06-24	Admin	⋮



# Edit project - Overview page

Metadata Editor

About | English | Admin

Required Recommended Empty

Search...

- Home
- Preview
- Document description
  - Information on metadata
  - Study description
- Tags
- Additional
- Data files
  - WLD\_2023\_SYNTH-SVY-HLD-EN\_v01
    - Variables
    - Data
  - WLD\_2023\_SYNTH-SVY-IND-EN\_v01
  - WLD 2023 Synth Survey HLD EN
- Variable groups
- External resources

## Synthetic Data for an Imaginary Country, Sample, 2023

7407de18-9423-4b0a-9282-bd059245c4d0

SAVE

Template MICRODATA DDI 2.5 EN -

Project owner: Admin Created on: 2024-06-24

Last changed by: Admin Changed on: 2024-06-24

### Project validation

Schema validation

No validation errors found

Template validation

No validation errors found

### Project info

Disk usage 25.23 MB

synthetic\_data\_technical\_documentation.pdf

WLD\_2023\_SYNTH-SVY-EN\_v01\_M.zip

synthetic\_survey\_questionnaire\_info.xlsx

20230505\_draw\_sample.R

#### Data files

WLD 2023 Synth Survey HLD EN copy 9.csv

WLD\_2023\_SYNTH-SVY-HLD-EN\_v01\_M.dta

WLD\_2023\_SYNTH-SVY-IND-EN\_v01\_M.csv

WLD\_2023\_SYNTH-SVY-HLD-EN\_v01\_M.csv

WLD 2023 Synth Survey HLD EN copy 3.csv

WLD 2023 Synth Survey HLD EN copy 13.csv

WLD 2023 Synth Survey HLD EN copy 11.csv

tmp

WLD 2023 Synth Survey HLD EN copy 5.csv

WLD 2023 Synth Survey HLD EN.csv

WLD 2023 Synth Survey HLD EN copy 15.csv

WLD 2023 Synth Survey HLD EN copy 17.csv

# Edit project - section preview

Metadata Editor

About | English | Admin

Required Recommended Empty

Search...

- Home
- Preview
- Document description
  - Information on metadata
  - Study description**
    - Title statement**
      - Primary ID
      - Other identifiers
      - Title
      - Subtitle
      - Alternate title
      - Translated title
    - Version
    - Production
    - Study authorization
    - Series
    - Scope and universe
    - Spatial and geographic coverage

**Synthetic Data for an Imaginary Country, Sample, 2023**  
7407de18-9423-4b0a-9282-bd059245c4d0

SAVE

### Title statement

**Primary ID** ⓘ \*

WLD\_2023\_SYNTH-SVY-EN\_v01\_M

**Other identifiers**

Type	Identifier
DOI	<a href="https://doi.org/10.48529/MC1F-QH23">https://doi.org/10.48529/MC1F-QH23</a>

**Title** ⓘ \*

Synthetic Data for an Imaginary Country, Sample, 2023

**Subtitle** ⓘ

A synthetic hierarchical dataset for simulation and training purposes

### Version

**Version name** ⓘ

V. 2023-05-01 8K HH EN

**Version date** ⓘ

2023-05-01T04:00:00.000Z

**Version responsibility** ⓘ

World Bank, Development Data Group

**Notes on version** ⓘ

Dataset generated using RealTabFormer (sample of 8,000 households), with post-processing. English version.

### Production

# Edit project -

Metadata Editor About | English | Admin

Required Recommended Empty

Search...

- Home
- Preview
- Document description
- Information on metadata
- Study description
  - Title statement**
  - Primary ID
  - Other identifiers
  - Title
  - Subtitle
  - Alternate title
  - Translated title
- Version
- Production
- Study authorization

## Synthetic Data for an Imaginary Country, Sample, 2023

7407de18-9423-4b0a-9282-bd059245c4d0

SAVE [Refresh] [Text] [More]

### Title statement

**Primary ID** ⓘ \*

**Other identifiers** ⓘ

Type	Identifier
DOI	<a href="https://doi.org/10.48529/MC1F-QH23">https://doi.org/10.48529/MC1F-QH23</a>

+ Add row

**Title** ⓘ \*

**Subtitle** ⓘ

**Alternate title** ⓘ

**Translated title** ⓘ

# Edit project - Data files

The screenshot displays the Metadata Editor interface for a project titled "Synthetic Data for an Imaginary Country, Sample, 2023". The interface includes a dark blue sidebar on the left with navigation options: Home, Preview, Document description, Information on metadata, Study description, Tags, Additional, Data files (selected), WLD\_2023\_SYNTN-SVY-HLD-EN\_v01, WLD\_2023\_SYNTN-SVY-IND-EN\_v01, WLD 2023 Synth Survey HLD EN, and Variable groups. The main content area shows a list of 3 data files under the heading "Data files". Each file entry includes a checkbox, a file icon, a file number (F1, F2, F3), a file name, the file name in blue, the file name followed by its size, and columns for "Variables" and "Cases". Action icons for Variables, Preview, Refresh stats, Remove, Replace file, and Export are provided for each file.

Metadata Editor

About | English | Admin

Synthetic Data for an Imaginary Country, Sample, 2023  
7407de18-9423-4b0a-9282-bd059245c4d0

SAVE

Required Recommended Empty

Search...

Home

Preview

Document description

Information on metadata

Study description

Tags

Additional

Data files

WLD\_2023\_SYNTN-SVY-HLD-EN\_v01

Variables

Data

WLD\_2023\_SYNTN-SVY-IND-EN\_v01

WLD 2023 Synth Survey HLD EN

Variable groups

Data files

3 Files

IMPORT FILES

<input type="checkbox"/>	↑	File#	File name	Variables	Cases
<input type="checkbox"/>	☰	F1	<a href="#">WLD_2023_SYNTN-SVY-HLD-EN_v01_M</a> WLD_2023_SYNTN-SVY-HLD-EN_v01_M.csv 1.57 MB	49	8000
			Variables Preview Refresh stats Remove Replace file Export		
<input type="checkbox"/>	☰	F2	<a href="#">WLD_2023_SYNTN-SVY-IND-EN_v01_M</a> WLD_2023_SYNTN-SVY-IND-EN_v01_M.csv 2.42 MB	27	32396
			Variables Preview Refresh stats Remove Replace file Export		
<input type="checkbox"/>	☰	F3	<a href="#">WLD 2023 Synth Survey HLD EN</a> WLD 2023 Synth Survey HLD EN.csv 1.59 MB	49	8000
			Variables Preview Refresh stats Remove Replace file Export		

# Edit project - variable level metadata

The screenshot displays the Metadata Editor interface for a project titled "Synthetic Data for an Imaginary Country, Sample, 2023". The interface is divided into several sections:

- Left Sidebar:** Contains navigation options like "Home", "Document description", "Information on metadata", "Study description", "Tags", "Additional", "Data files", and "Variable groups".
- Top Bar:** Shows the project name, a "SAVE" button, and user information.
- Variables Table:** A table listing variables (V1-V9) with their IDs, labels, and icons for editing. The variable "statocc" (Status of occupancy of the dwelling) is selected.
- Variable Categories:** A section for defining categories for the selected variable, showing values 1 (Owned), 2 (Rented), and 3 (Occupied for free).
- Variable Information:** A section for configuring the variable's properties, including "Is weight" (disabled), "Interval type" (Discrete), "Type" (Numeric), and "Min/Max/Decimal points" (1.0, 3.0, and empty).
- Statistics Section:** Displays "Frequencies" and "Summary statistics" for the selected variable.

**Frequencies Table:**

Value	Label	Cases	Weighted	Percentage
1	Owned	6187	1933484	77.3%
2	Rented	1021	316790	12.7%
3	Occupied for free	792	251479	10.1%

**Summary statistics:**

Valid	8000.00
Min	1.00
Max	3.00
Mean	1.33
stdev	0.65
Mean (weighted)	1.33
stdev (weighted)	0.65

# Edit project - variable level metadata

The screenshot displays the Metadata Editor interface for a project titled "Synthetic Data for an Imaginary Country, Sample, 2023". The interface is divided into several sections:

- Left Sidebar:** Contains navigation options: Required, Recommended, Empty, Search..., Home, Document description, Information on metadata, Study description, Tags, Additional, Data files, and External resources.
- Top Header:** Shows the project title, ID (7407de18-9423-4b0a-9282-bd059245c4d0), and a SAVE button.
- Variables List:** A table listing 49 variables. The selected variable is V7, "statocc", with the description "Status of occupancy of the dwelling".
- Variable Categories:** A table showing categories for the selected variable: Value 1 (Owned), Value 2 (Rented), and Value 3 (Occupied for free).
- Variable Information:** A section for configuring the variable, including an "Is weight" toggle, "Interval type" (Discrete), "Type" (Numeric), and "Min/Max/Decimal points" settings.
- Documentation:** A section for adding "Questions and instructions", "Literal question", "Post question text", and "Forward skip".

Variable ID	Variable Name	Description	Actions
V1	hid	Unique household identifier	[Icons]
V2	geo1	Geographic area - Admin 1	[Icons]
V3	geo2	Geographic area - Admin 2	[Icons]
V4	ea	Enumeration area	[Icons]
V5	urbrur	Residence (urban/rural)	[Icons]
V6	hhsz	Household size	[Icons]
V7	statocc	Status of occupancy of the dwelling	[Icons]
V8	rooms	Number of rooms in dwelling	[Icons]

Value	Label	Actions
1	Owned	[Icons]
2	Rented	[Icons]
3	Occupied for free	[Icons]

**Variable information**

Is weight

**Interval type**  
Discrete

**Type**  
Numeric

**Min** 1.0 **Max** 3.0 **Decimal points**

**Missing**  
[Input field] [Icons]

[Add row](#)

**Documentation**

**Questions and instructions**

**Literal question**  
Does the household own, rent, or occupies this dwelling for free?

**Post question text**

**Forward skip**

# Edit project - preview data

Metadata Editor About | English | Admin

Required Recommended Empty

Search...

Home

- Preview
- Document description
  - Information on metadata
  - Study description
  - Tags
  - Additional
- Data files
  - WLD\_2023\_SYNTH-SVY-HLD-EN\_v01
    - Variables
    - Data**
  - WLD\_2023\_SYNTH-SVY-IND-EN\_v01
  - WLD\_2023\_Synth Survey HLD EN
- Variable groups
- External resources

## Synthetic Data for an Imaginary Country, Sample, 2023

7407de18-9423-4b0a-9282-bd059245c4d0

SAVE ↺ T ⋮

Import Data Export Data

Showing records 1 - 50 of 8001

< **1** 2 3 4 ... 159 160 161 >

#	hid	geo1	geo2	ea	urbrur	hsize	statocc	rooms	bedrooms	floor	walls	roof	water	piped_water	toilet	flush_toilet	electricity	cook_fuel	phone	cell	car	bicycl
1	00a191396a2	1	11	11066	2	1	1	1	1	2	3	5	61	0	21	2	1	2	0	0	0	0
2	0111c7fa67c	1	11	11066	2	1	2	1	0	2	6	5	11	1	22	2	1	3	0	1	0	0
3	01410d9c60d	1	11	11087	2	2	1	4	1	2	3	1	11	1	11	1	1	1	0	1	0	0
4	015ff82b55c	1	11	11094	2	2	1	1	1	2	3	5	11	1	21	2	1	2	0	1	0	0
5	01c39d3df0d	1	11	11094	2	1	2	3	2	6	3	1	31	0	13	1	1	4	1	1	1	0
6	027fe2e901f	1	11	11003	2	2	1	3	2	2	3	1	11	1	11	1	1	2	1	0	0	0
7	02afa0073ff	1	11	11024	2	3	2	4	2	2	3	1	11	1	11	1	1	2	0	1	1	0
8	033e22e94f2	1	11	11041	2	2	1	3	2	2	3	1	11	1	11	1	1	2	1	1	1	0
9	03a770af9f0	1	11	11066	2	1	2	1	1	1	3	1	21	0	31	0	1	2	0	0	0	0
10	0424d8c9572	1	11	11034	2	4	3	3	2	2	5	5	11	1	12	1	1	6	0	0	0	0
11	0789ea38ac1	1	11	11024	2	5	1	5	3	6	3	1	11	1	11	1	1	2	1	1	1	1
12	09a4ff6c721	1	11	11066	2	1	2	1	1	1	3	1	11	1	22	2	1	2	0	1	0	0
13	0a80d4963e3	1	11	11112	2	4	2	4	2	6	4	1	11	1	11	1	1	2	0	1	0	0
14	0cf3b3d077d	1	11	11094	2	2	1	1	1	2	2	5	11	1	21	2	1	4	0	1	0	0
15	0d325ab1cec	1	11	11066	2	1	1	1	0	2	7	5	11	1	96	2	0	3	0	1	0	0
16	0f8b12b37f6	1	11	11094	2	2	1	1	1	2	3	1	11	1	11	1	1	3	0	0	0	0
17	100c3c3ac80	1	11	11036	2	2	1	3	2	6	3	1	11	1	11	1	1	2	1	1	1	0
18	10222513fe6	1	11	11041	2	2	1	5	3	6	3	1	11	1	11	1	1	2	1	0	0	0

# Edit project - external resources

Metadata Editor About | English | Admin

Required Recommended Empty

Search...

- Home
- Preview
- Document description
  - Information on metadata
  - Study description
  - Tags
  - Additional
  - Data files
  - Variable groups
  - External resources**
  - Generating a relational synthetic data

## Synthetic Data for an Imaginary Country, Sample, 2023

7407de18-9423-4b0a-9282-bd059245c4d0

**SAVE**

### External resources

5 resources **CREATE RESOURCE** **IMPORT**

<b>Generating a relational synthetic dataset for an imaginary country - Technical documentation</b> synthetic_data_technical_documentation.pdf	Document, Technical [doc/tec]	Edit	Delete
<b>REaLTabFormer GitHub repository</b> <a href="https://github.com/avsolatorio/REaLTabFormer">https://github.com/avsolatorio/REaLTabFormer</a>	Web Site [web]	Edit	Delete
<b>Synthetic Sample Population Dataset 2023</b> WLD_2023_SYNTN-SVY-EN_v01_M.zip	Microdata File [dat/micro]	Edit	Delete
<b>Sample selection R script</b> 20230505_draw_sample.R	Program [prg]	Edit	Delete
<b>Fake questionnaire and survey information</b> synthetic_survey_questionnaire_info.xlsx	Document, Questionnaire [doc/qst]	Edit	Delete



# Edit project - publish to NADA

Metadata Editor

About | English | Admin

Required Recommended Empty

Search...

- Home
- Preview
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- Information on metadata
- Study description
- Tags
- Additional
- Data files
- Variable groups
- External resources
  - Generating a relational synthetic data
  - REaLTabFormer GitHub repository
  - Synthetic Sample Population Dataset
  - Sample selection R script
  - Fake questionnaire and survey inform

## Synthetic Data for an Imaginary Country, Sample, 2023

7407de18-9423-4b0a-9282-bd059245c4d0

SAVE

### Publish to NADA

Publish project directly to a NADA catalog

**Catalog** [Configure new catalog](#)

local NADA - http://localhost:8080/nada

### Project options

Option	Value
Overwrite if already exists?	Yes
Publish	Publish
Data access	Creative Commons (4.0) - [cc40]
Collection	Test collection - [test3]

### External resources

Select external resources to publish

Overwrite resources

5 resources found 0 selected

Title	Type
<input type="checkbox"/> Generating a relational synthetic dataset for an imaginary country - Technical documentation synthetic_data_technical_documentation.pdf	Document, Technical [doc/tec]

# Edit project - other options

The screenshot displays the Metadata Editor interface. At the top, the title 'Metadata Editor' is on the left, and 'About | English | Admin' is on the right. A left sidebar contains navigation items: 'Required', 'Recommended', 'Empty', a search bar, 'Home', 'Preview', 'Document description', and 'Information on metadata'. The main content area shows a project titled 'Synthetic Data for an Imaginary Country, Sample, 2023' with ID '7407de18-9423-4b0a-9282-bd059245c4d0'. Below the title is a data visualization and a 'Template' section for 'MICRODATA DDI 2.5 EN'. Project details include 'Project owner: Admin' and 'Last changed by: Admin'. A dropdown menu is open, listing options under 'Project', 'Metadata', and 'External resources'.

Metadata Editor

About | English | Admin

Required Recommended Empty

Search...

Home

Preview

Document description

Information on metadata

**Synthetic Data for an Imaginary Country, Sample, 2023**  
7407de18-9423-4b0a-9282-bd059245c4d0

Template

MICRODATA DDI 2.5 EN

Project owner:  
Admin

Last changed by:  
Admin

Project

- Export package (ZIP)
- Export DDI
- Export JSON
- Publish to NADA
- PDF documentation

Metadata

- Import project metadata
- Import external resources

External resources

- Export RDF/XML
- Export RDF/JSON

# Template manager

## Template manager

PROJECTS COLLECTIONS **TEMPLATES**

IMPORT TEMPLATE

### Microdata

Type	Default	Title	Language	Version	Last updated
core	<input type="radio"/>	<b>Microdata DDI 2.5 EN</b> microdata-system-en	en		
core	<input checked="" type="radio"/>	<b>IHSN DDI 2.5 Modèle v01 FR</b> 232ea3aaece0cdf1db157f797f6b92e5fr	fr		
core	<input type="radio"/>	<b>IHSN DDI 2.5 Template v01 EN</b> 6740f5f920502baf3f6cbcaa5c113deeen	en		
custom	<input type="radio"/>	IHSN 2.5 DDI template EN - TD	en	1.0	06/24/2024
custom	<input type="radio"/>	Microdata DDI 2.5 EN - Countries code list	en		06/17/2024
custom	<input type="radio"/>	Microdata DDI 2.5 EN - custom fields	en	version 1.0	06/24/2024
custom	<input type="radio"/>	Microdata DDI 2.5 EN - Private	en	version info	06/11/2024

### Timeseries

Type	Default	Title	Language	Version	Last updated
core	<input type="radio"/>	<b>Indicator Schema 1.0 EN</b> timeseries-system-en	en		
core	<input type="radio"/>	<b>IHSN INDICATOR 1.0 Template v01 EN</b> 8603d94e27bcc2bdad1e00dbf0fe32en	en		

# Template manager - edit

**T** Template manager

IHSN 2.5 DDI template EN - TD Save Close

- Description
  - Document description
  - Study description
    - Identification
      - Title
      - Subtitle
      - Alternate title
      - Translated title
      - Primary ID
      - Other identifiers
        - Study type**
        - Series information
    - Version
      - Version date
      - Version name
      - Notes on version
      - Version responsibility
    - Overview

**Key:**  
study\_desc.series\_statement.series\_name

**Label:**  
Study type  
Original label: Series name Name: study\_desc.series\_statement.series\_name Type: string

**Type:**  
string  
 Required  Recommended  Private

**Description:**  
A study may be repeated at regular intervals (such as an annual labor force survey), or be part of an international survey program (such as the MICS, DHS, LSMS and others). The name of the series to which the study belongs is captured in this element. For example, "Living Standards Measurement Study (LSMS)" or "Demographic and Health Survey (DHS)" or "Multiple Indicator Cluster Survey VII (MIC7)". A description of the series can be provided in the element "Series information".  
Original description:  
A study may be repeated at regular intervals (such as an annual labor force survey), or be part of an international survey program (such as the MICS, DHS, LSMS and others). The name of the series to which the study belongs is captured in this element. For example, "Living Standards Measurement Study (LSMS)" or "Demographic and Health Survey (DHS)" or "Multiple Indicator Cluster Survey VII (MIC7)". A description of the series can be provided in the element "Series information".

DISPLAY **● CONTROLLED VOCABULARY** DEFAULT VALIDATION RULES JSON

# Template manager - field options

- Field Display
  - Text, Textarea
  - Dropdown
  - Date/time
- Controlled Vocabulary
- Default values
- Validation rules
- JSON

# Template manager - field options

The image displays three overlapping panels from a 'Template manager' interface, each showing different field options for a field.

**Panel 1: Controlled Vocabulary**  
The top panel shows the 'CONTROLLED VOCABULARY' tab. It features a table with two columns: 'Code' and 'Label'. The table contains the following entries:

Code	Label
hh/123-1	1-2-3 Survey, phase 1
hh/123-2	
hh/123-3	
ad/hea	
ad/edu	
ad/oth	

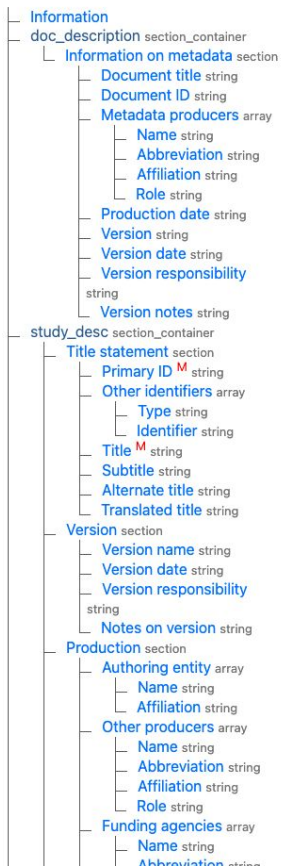
Each row has a three-dot menu icon on the left and a trash icon on the right.

**Panel 2: Default**  
The middle panel shows the 'DEFAULT' tab. It has a 'Default:' label followed by a text input field containing the value 'hh/123-1'.

**Panel 3: Validation Rules**  
The bottom panel shows the 'VALIDATION RULES' tab. It has a 'Validation rules:' label. On the left, there is a list of rules with a checkmark next to 'Select rule required'. Below the list is an 'Add' button. The main area contains a table with a header 'Value'.

Value
-------

# Template manager - export field level documentation



## Study description

section\_container study\_desc

### Title statement

section study\_desc.title\_statement

#### Primary ID <sup>M</sup>

string study\_desc.title\_statement.idno **Required**

The "Primary ID" (also referred to as IDNO) is a unique identification number used to identify the study (survey, census or other). A unique identifier is required for cataloguing purpose, so this element is declared as "Required". The identifier will allow users to cite the dataset properly. The identifier must be unique within the catalog. Ideally, it should also be globally unique; the recommended option is to obtain a Digital Object Identifier (DOI) for the study. Alternatively, the "Primary ID" can be constructed by an organization using a consistent scheme. The scheme could for example be "catalog-country-study-year-version", where country is the 3-letter ISO country code, producer is the abbreviation of the producing agency, study is the study acronym, year is the reference year (or the year the study started), version is a version number. Using that scheme, the Uganda 2005 Demographic and Health Survey for example would have the following ID (where "MDA" stand for "My Data Archive"): MDA\_UGA\_DHS\_2005\_v01. Note that the schema allows you to provide more than one identifier for a same study (in element "Other identifiers"); a catalog-specific identifier is thus not incompatible with a globally unique identifier like a DOI. A validation rule can be set (using a regular expression) in user templates to enforce a specific ID format. The identifier may not contain blank spaces.

#### Other identifiers

array study\_desc.title\_statement.identifiers

This repeatable element is used to enter identifiers (IDs) other than the "Primary ID" (IDNO). It can for example be a Digital Object Identifier (DOI). The "Primary ID" can be repeated here (the "Primary ID" does not provide a "Type" parameter, so if a DOI or other standard ID type is used as main identifier, it is recommended to repeat it here with the identification of the type).

##### Array properties

##### Type

string study\_desc.title\_statement.identifiers.type



## REST API

- For all features available via web interface
- API documentation available in swagger/OpenAPI format



# ReDoc documentation

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## Create Microdata

Create a new microdata project

REQUEST BODY

repositoryid	Collection ID that owns the survey (string) Abbreviation for the collection that owns this survey.
access_policy	Data access policy (string) Default: "data_na" Valid values: "direct" "open" "public" "licensed" "remote" "data_na" Data access policy for attached microdata resources
published	integer Default: 0 Status of the survey - 0=draft, 1=published
overwrite	string Default: "no" Valid values: "yes" "no" Overwrite survey if already exists?
doc_desc ▾	Document Description Document Description
study_desc ▾	study_desc Study Description

POST /editor/create/survey ▾

REQUEST SAMPLES

```
{
  "repositoryid": "string",
  "access_policy": "data_na",
  "published": 0,
  "overwrite": "no",
  - "doc_desc": {
    "title": "string",
    "idno": "string",
    + "producers": [ ... ],
    "prod_date": "string",
    + "version_statement": { ... }
  },
  - "study_desc": {
    + "title_statement": { ... },
    + "authoring_entity": [ ... ],
    + "oth_id": [ ... ],
    + "production_statement": { ... },
    + "distribution_statement": { ... },
    + "series_statement": { ... },
    + "version_statement": { ... },
    "bib_citation": "string",
    "bib_citation_format": "string",
    + "holdings": [ ... ],
    "study_notes": "string",
    + "study_authorization": { ... },
```



# API Client packages

- R  
MetadataEditR - <https://github.com/ihsn/metadataeditr>
- Python  
PyMetadataEditor - work in progress



# Resources

- Metadata Editor  
<https://github.com/ihsn/editor>
- JSON Schemas  
<https://github.com/worldbank/metadata-schemas>
- JSON Schema guide with field level document and examples  
<https://github.com/worldbank/schema-guide>  
<https://worldbank.github.io/schema-guide/> (Github pages)