



DDI in 7 minutes

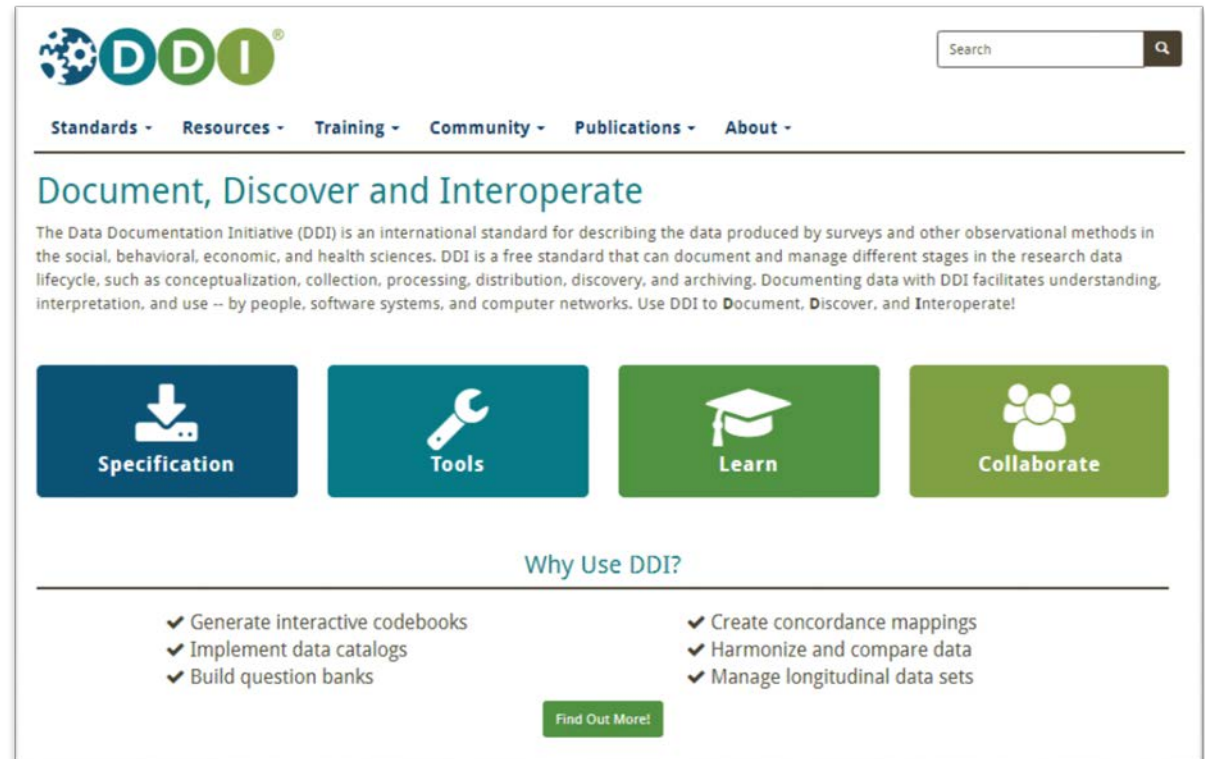
2018-10-08

Olof Olsson, IT Architect



What is DDI?

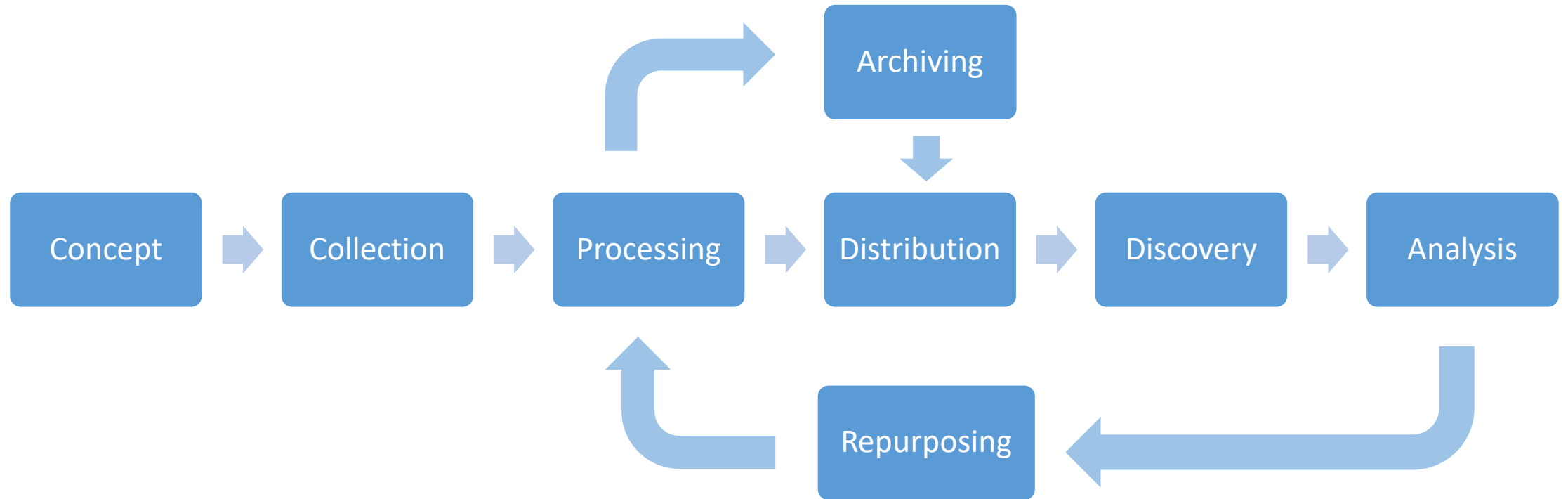
- XML metadata standard for describing datasets
- Have grown to cover:
 - Data collection
 - Questionnaires
 - Geographical structures
 - Controlled vocabularies



The screenshot shows the homepage of the Data Documentation Initiative (DDI) Alliance. At the top left is the DDI logo, which consists of a gear icon followed by the letters 'DDI' in a stylized font. To the right of the logo is a search bar with the text 'Search' and a magnifying glass icon. Below the logo and search bar is a navigation menu with the following items: 'Standards', 'Resources', 'Training', 'Community', 'Publications', and 'About'. The main heading is 'Document, Discover and Interoperate'. Below this heading is a paragraph of text: 'The Data Documentation Initiative (DDI) is an international standard for describing the data produced by surveys and other observational methods in the social, behavioral, economic, and health sciences. DDI is a free standard that can document and manage different stages in the research data lifecycle, such as conceptualization, collection, processing, distribution, discovery, and archiving. Documenting data with DDI facilitates understanding, interpretation, and use -- by people, software systems, and computer networks. Use DDI to Document, Discover, and Interoperate!'. Below the text are four large buttons: 'Specification' (with a download icon), 'Tools' (with a wrench icon), 'Learn' (with a graduation cap icon), and 'Collaborate' (with a group of people icon). Below these buttons is the heading 'Why Use DDI?'. Under this heading are two columns of bullet points. The left column contains: '✓ Generate interactive codebooks', '✓ Implement data catalogs', and '✓ Build question banks'. The right column contains: '✓ Create concordance mappings', '✓ Harmonize and compare data', and '✓ Manage longitudinal data sets'. At the bottom center of the page is a green button with the text 'Find Out More!'.

<https://www.ddialliance.org>

DDI Lifecycle



Members and users of DDI

- Data archives
- Universities
- Statistical agencies
- Software companies



<https://www.ddialliance.org/community>

Controlled vocabularies

Some examples of DDI Controlled vocabularies:

Analysis Unit

Describes the entity being analyzed in the study or in the variable.

Data Type

Identifies the type of data, which has a bearing on the acceptable data values, the operations that can be performed with the data, and the ways in which the data are stored.

Mode of Collection

The procedure, technique, or mode of inquiry used to attain the data.

Sampling Procedure

Includes a typology of sampling methods.

Software Package

Indicates the statistical software package used in the production/processing/dissemination of the data.

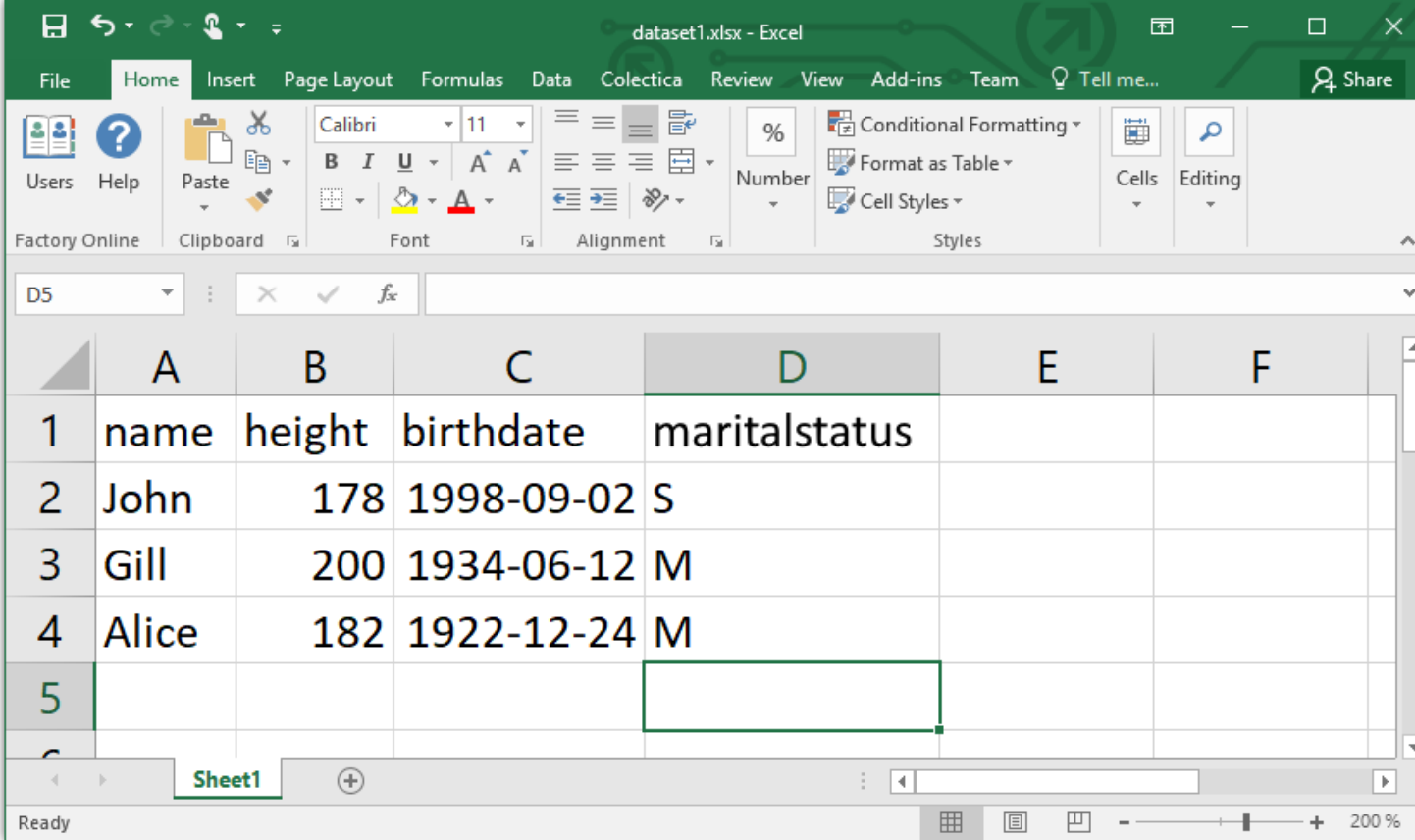
Time Method

Describes the time dimension of the data collection.

Type of Instrument

Includes a typology of data collection instruments.

Data ↔ Metadata



The screenshot shows the Microsoft Excel interface with a dataset in a spreadsheet. The dataset has four columns: name, height, birthdate, and maritalstatus. The data is as follows:

	A	B	C	D	E	F
1	name	height	birthdate	maritalstatus		
2	John	178	1998-09-02	S		
3	Gill	200	1934-06-12	M		
4	Alice	182	1922-12-24	M		
5						

Example: dataset1

name	height	birthdate	maritalstatus
John	178	1998-09-02	S
Gill	200	1934-06-12	M
Alice	182	1922-12-24	M

Variable example

name	height	birthdate	maritalstatus
John	178	1998-09-02	S
Gill	200	1934-06-12	M
Alice	182	1922-12-24	M

Different variable representation types

text

numeric

date

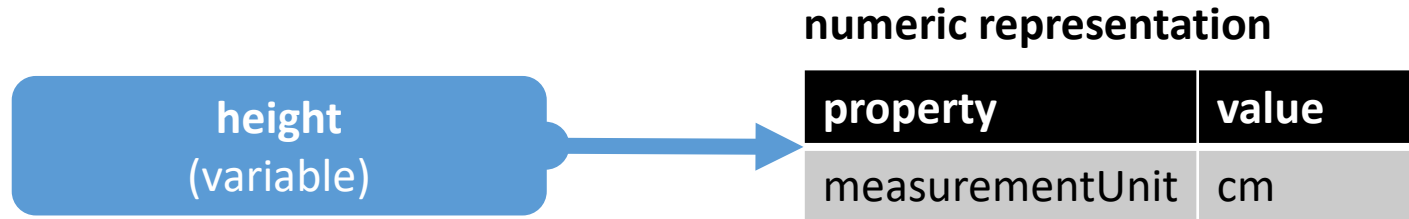
code

name	height	birthdate	maritalstatus
John	178	1998-09-02	S
Gill	200	1934-06-12	M
Alice	182	1922-12-24	M

Variable example

name	height	birthdate	maritalstatus
John	178	1998-09-02	S
Gill	200	1934-06-12	M
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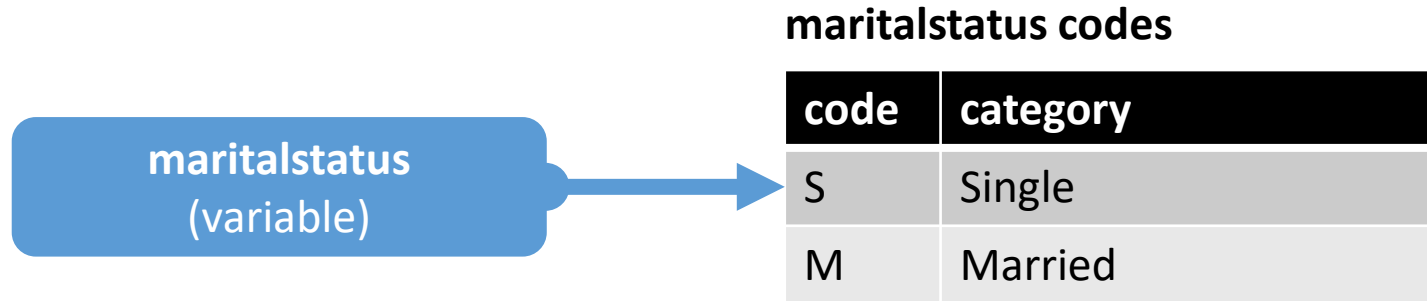
Variables with different unit of measure



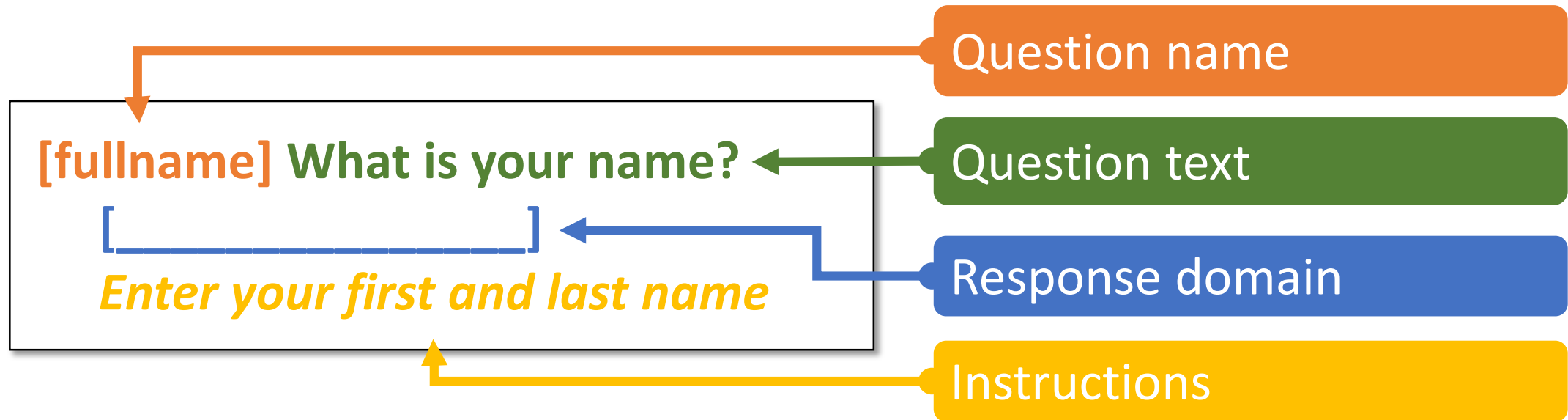
Variable with code representation

name	height	birthdate	maritalstatus
John	178	1998-09-02	S
Gill	200	1934-06-12	M
Alice	182	1922-12-24	M

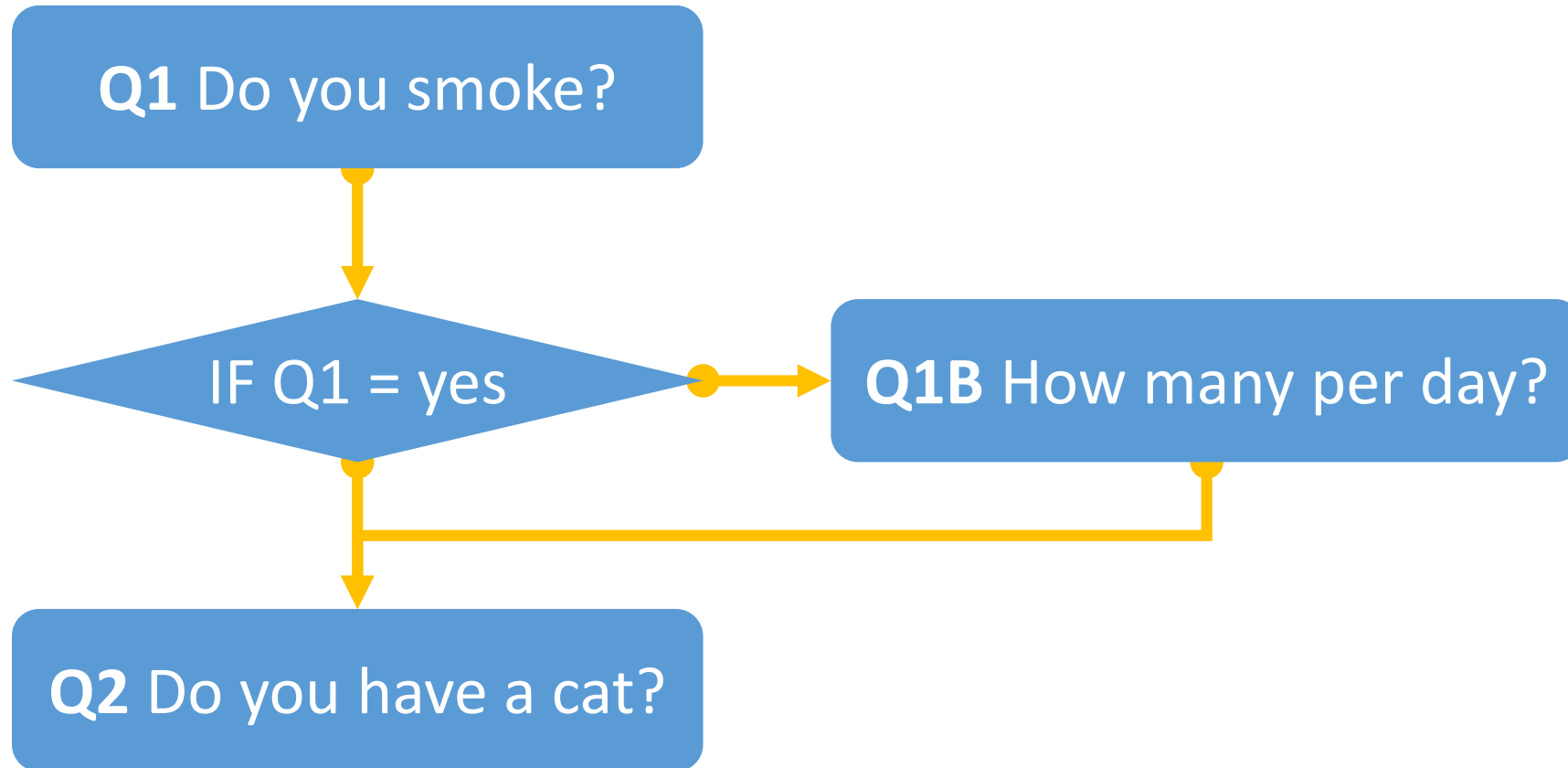
Variable - code representation



Question item example



Questionnaire routing



DDI at SND

Findability

- **Citation:** id, title, description, persons, organisations
- **Coverage:** time, place, subject
- **Collection:** method, population

Administrative metadata

- Funding
- Contacts
- Other identifiers

Sök och beställ data

Sök i SND:s katalog Sök ⓘ

1797 träffar

Förälskade 1 2 3 4 5 6 7 ... 179 180 Nästa

[In vitro studier av hudpoptag över grishud av 38 organiska lösningsmedel](#) Karolinska institutet

We tested a larger number of organic solvents with the same experimental set up, using skin from new-born piglets and static diffusion cells. Thirty-six common organic solvents were studied neat (and 31 of them also in w...

- Gunnar Johanson, Karolinska institutet, Institutet för miljömedicin

Published: 2018-09-28 2B

[Afrint](#) Lunds universitet

Studien har följt 1566 småbrukarhushåll i sex afrikanska länder sedan 2002, syftet har varit att förstå hur jordbruket har utvecklats över de senaste femton åren, givet stora investeringar i jordbruket.

- Agnes Andersson Djurfeldt, Lunds universitet, Institutionen för kulturgeografi och ekonomisk geografi

Published: 2018-09-24 3B

[Reflection seismic study of the Siljan Ring impact structure: Mora](#) Uppsala universitet

År 2011 gjordes två nya reflexionsseismiska undersökningar över västra delen av Siljansringen, Mora och Orsa profilerna. Siljansringen är en struktur som uppkom för ca 377 miljoner sedan genom ett meteoritnedslag. Mora p...

- Christopher Juhlin, Uppsala universitet, Geosciences
- Erik Sturkell, Göteborgs universitet, Institutionen för geovetenskaper
- Jan Ove R. Ebbestad, Uppsala Universitet, Evolutionsmuseet
- Oliver Lehnert, Friedrich-Alexander-University Erlangen-Nürnberg, GeoZentrum Nordbayern
- Anette E. S. Högström, Tromsø University, Tromsø University Museum
- Guido Meinhold, Universität Göttingen

Published: 2018-09-19 1A

[Undersökning av fotgängares upplevelse av utomhusbelysning: En laboratoriestudie](#) Lunds tekniska högskola

Studien följde en mix-design; inom-individdesign för att utvärdera skillnader mellan belysningslösningarna och mellan-individdesign för att utforska ålderskillnader. Varje deltagare utförde momenten tre gånger, en gång ...

- Johan Rahm, Lunds tekniska högskola, Institutionen för arkitektur och byggd miljö
- Maria Johansson, Lunds tekniska högskola, Institutionen för arkitektur och byggd miljö

Published: 2018-09-18 2B

Filter

Typ av data

Ämne

Huvudman

Finansiär

Tillgänglighetsstatus

Serier

Geografisk plats

Urvalsmetod

Analysenhet

Studiedesign

Datum

Kartvy

Visar studier från sökesstaten som har geopunkter

[Resultat på karta \(56\)](#)

DDI overlap with other standards

