

Standardizirane metapodatkovne sheme v družboslovju in humanistiki

Andrej PANČUR, Inštitut za novejšo zgodovino

Irena VIPAVC BRVAR, Arhiv družboslovnih podatkov, Fakulteta za družbene
vede Univerze v Ljubljani

Ljubljana in online, Centralna tehniška knjižnica Univerze v Ljubljani,
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Metapodatki

Metapodatki zagotavljajo informacije, ki nam pomagajo osmisliti podatke (npr. dokumente, slike, nabore podatkov), koncepte (npr. klasifikacijske sheme) in subjekte iz realnega sveta (npr. ljudi, organizacije, kraje, slike, produkte).

Vrste metapodatkov:

- Opisni (deskriptivni) metapodatki opisujejo vir z namenom odkrivanja in prepoznavanja.
- Strukturni metapodatki, npr. podatkovni modeli in referenčni podatki.
- Administrativni metapodatki so informacije, ki pomagajo upravljati z virom.

Dublin Core

Properties in the /terms/ namespace:	abstract , accessRights , accrualMethod , accrualPeriodicity , accrualPolicy , alternative , audience , available , bibliographicCitation , conformsTo , contributor , coverage , created , creator , date , dateAccepted , dateCopyrighted , dateSubmitted , description , educationLevel , extent , format , hasFormat , hasPart , hasVersion , identifier , instructionalMethod , isFormatOf , isPartOf , isReferencedBy , isReplacedBy , isRequiredBy , issued , isVersionOf , language , license , mediator , medium , modified , provenance , publisher , references , relation , replaces , requires , rights , rightsHolder , source , spatial , subject , tableOfContents , temporal , title , type , valid
Properties in the /elements/1.1/ namespace:	contributor , coverage , creator , date , description , format , identifier , language , publisher , relation , rights , source , subject , title , type
Vocabulary Encoding Schemes:	DCMIType , DDC , IMT , LCC , LCSH , MESH , NLM , TGN , UDC
Syntax Encoding Schemes:	Box , ISO3166 , ISO639-2 , ISO639-3 , Period , Point , RFC1766 , RFC3066 , RFC4646 , RFC5646 , URI , W3CDTF
Classes:	Agent , AgentClass , BibliographicResource , FileFormat , Frequency , Jurisdiction , LicenseDocument , LinguisticSystem , Location , LocationPeriodOrJurisdiction , MediaType , MediaTypeOrExtent , MethodOfAccrual , MethodOfInstruction , PeriodOfTime , PhysicalMedium , PhysicalResource , Policy , ProvenanceStatement , RightsStatement , SizeOrDuration , Standard
DCMI Type Vocabulary:	Collection , Dataset , Event , Image , InteractiveResource , MovingImage , PhysicalObject , Service , Software , Sound , StillImage , Text
Terms for vocabulary description:	domainIncludes , memberOf , rangeIncludes , VocabularyEncodingScheme

Text Encoding Initiative (TEI)

- TEI: Guidelines for Electronic Text Encoding and Interchange, P5 Version 4.8.0, zadnja verzija 2. september 2024:
 - Formata XML.
 - Rezultat opredeljevanja skupnosti strokovnjakov, ki so izhajali iz prakse.
 - Format se razlikuje od drugih dobro znanih odprtih formatov za besedilo (kot sta HTML in OpenDocument) po tem, da je predvsem semantičen in ne predstavitveni: semantika in razlaga vsakega elementa in atributa sta določeni.
 - Približno 500 različnih besedilnih komponent in konceptov.
 - Vsak temelji na eni ali več akademskih disciplinah.
- Vsak document TEI in dokument teiCorpus vsebuje metapodatke (teiHeader).

Kaj je <teiHeader>

- Glava TEI (<teiHeader>) je virtualna naslovna stran dokumenta TEI. Vsebuje metapodatke (informacije o dokumentu TEI).
- <teiHeader> je prvi obvezni podrejeni element korenskega elementa <TEI>; zato se pojavi na vrhu ('na glavi') vsakega dokumenta TEI.
- Metapodatki v <teiHeader> zagotavljajo:
 - <fileDesc>: bibliografski zapis elektronskega besedila in vira, iz katerega je elektronsko besedilo izpeljano,
 - <encodingDesc>: dokumentacijo kodirnih in uredniških načel, uporabljenih pri označevanju elektronskega besedila,
 - <profileDesc>: pojme za indeksiranje in iskanje,
 - <revisionDesc>: zapise o spremembah elektronskega dokumenta.
- Značilnosti:
 - Vsebuje veliko specializiranih elementov, ki jih ni mogoče najti nikjer v <body> dokumenta TEI. Ti elementi omogočajo zelo strukturirane opise dokumenta.
 - Številni deli <teiHeader> omogočajo prozne opise v prosti obliki kot alternativa visoko strukturiranim opisom.
 - Obvezni so le nekateri elementi <teiHeader>, zato je metapodatkovni zapis lahko zelo kratek.

Vsi ostali so poljubni

Obvezni metapodatki

```
3 <teiHeader>
4   <fileDesc>
5     <titleStmt>
6       <title>Title</title>
7     </titleStmt>
8     <publicationStmt>
9       <p>Publication Information</p>
10    </publicationStmt>
11    <sourceDesc>
12      <p>Information about the source</p>
13    </sourceDesc>
14  </fileDesc>
15 </teiHeader>
```

```
77931     <surname>Žvan</surname>
77932     <forename>Bojana</forename>
77933   </persName>
77934   <sex value="F"/>
77935 </person>
77936 <person xml:id="ŽvegljRoman">
77937   <persName>
77938     <surname>Žveglj</surname>
77939     <forename>Roman</forename>
77940   </persName>
77941   <sex value="M"/>
77942 </person>
77943 <person xml:id="ŽvegličDejan">
77944   <persName>
77945     <surname>Žveglič</surname>
77946     <forename>Dejan</forename>
77947   </persName>
77948   <sex value="M"/>
77949 </person>
77950 <person xml:id="ŽvegličRoman">
77951   <persName>
77952     <surname>Žveglič</surname>
77953     <forename>Roman</forename>
77954   </persName>
77955   <sex value="M"/>
77956   <birth when="1964"/>
77957   <affiliation role="MP"
77958     ref="#DZ"
77959     from="2012-02-14"
77960     to="2013-03-20"
77961     ana="#DZ.6"/>
77962   <affiliation role="MP"
77963     ref="#DZ"
77964     from="2014-07-04"
77965     to="2014-07-31"
77966     ana="#DZ.6"/>
77967   <affiliation role="member"
77968     ref="#party.SLS.2"
77969     from="2011-12-16"
77970     to="2014-07-31"
77971     ana="#DZ.6"/>
77972 </person>
77973 <person xml:id="ŽvipeljVelislav">
77974   <persName>
77975     <surname>Žvipelj</surname>
77976     <forename>Velislav</forename>
77977   </persName>
77978   <sex value="M"/>
77979 </person>
77980 </listPerson>
77981 </particDesc>
77982 <langUsage>
77983   <language ident="sl" xml:lang="sl">slovenski</language>
77984   <language ident="en" xml:lang="sl">angleški</language>
77985   <language ident="sl" xml:lang="en">Slovenian</language>
77986   <language ident="en" xml:lang="en">English</language>
77987 </langUsage>
77988 </profileDesc>
77989 </teiHeader>
```

<fileDesc>:

- <titleStmt>: Naslov in podatki o odgovornih za intelektualno vsebino dokumenta TEI
- <editionStmt>: številka izdaje ali drugi opisi izdaje
- <extent>: velikost dokumenta
- <publicationStmt>: informacije o objavi in distribuciji dokumenta
- <seriesStmt>: informacije o seriji, katere del je dokument TEI
- <notesStmt>: bibliografske opombe (informacije, ki ne sodijo drugam)
- <sourceDesc>: opisuje vir, iz katerega je bil ustvarjen dokument TEI

```
<fileDesc>
  <titleStmt>
    <title>
      Izgradnja sistema socialnega skrbstva v Ljubljani po prvi svetovni vojni s poudarkom na delu socialnopolitičnega (
    <note place="foot" xml:id="ftn2" n="*">
      Članek je nastal v okviru infrastrukturnega programa IO-0013
    <hi rend="italic">
      Raziskovalna infrastruktura Slovenskega zgodovinskega
    </hi>
    , ki ga sofinancira Javna agencija za raziskovalno in inovacijsko dejavnost Republike Slovenije iz državnega pro
    </note>
  </title>
  <author>
    <forename>Mojca</forename>
    <surname>Šorn</surname>
    <roleName>Dr.</roleName>
    <roleName>Znanstvena sodelavka</roleName>
    <affiliation>Inštitut za novejšo zgodovino</affiliation>
  <address>
    <addrLine>Privoz 11</addrLine>
    <addrLine>SI-1000 Ljubljana</addrLine>
  </address>
  <email>mojca.sorn@inz.si</email>
</author>
</titleStmt>
  <editionStmt>
    <edition>
      <date>2023-07-25</date>
    </edition>
  </editionStmt>
  <publicationStmt>
    <publisher>
      <orgName xml:lang="sl">Inštitut za novejšo zgodovino</orgName>
      <orgName xml:lang="en">Institute of Contemporary History</orgName>
    <address>
      <addrLine>Privoz 11</addrLine>
      <addrLine>SI-1000 Ljubljana</addrLine>
    </address>
    </publisher>
    <pubPlace>http://ojs.inz.si/pnz/article/view/4211</pubPlace>
    <date>2023</date>
  </publicationStmt>
  <availability status="free">
    <licence>http://creativecommons.org/licenses/by-nc-nd/4.0/</licence>
  </availability>
</publicationStmt>
  <seriesStmt>
    <title xml:lang="sl">Prispevki za novejšo zgodovino</title>
    <title xml:lang="en">Contributions to Contemporary History</title>
    <biblScope unit="volume">63</biblScope>
    <biblScope unit="issue">3</biblScope>
    <idno type="ISSN">2463-7807</idno>
  </seriesStmt>
  <sourceDesc>
    <p>No source, born digital.</p>
  </sourceDesc>
</fileDesc>
```

<encodingDesc>

- <projectDesc> opisuje splošni namen projekta in proces
- <samplingDecl> dokumentira utemeljitev, zakaj in kako je bilo besedilo vzorčeno, selekcionirano oziroma izpuščeno
- <editorialDecl> pojasnjuje redakcijske principe kodiranja oz prepisovanja besedil
- <tagsDecl> beleži, kako se oznake uporabljajo in kako naj bo njihova vsebina privzeto prikazana
- <refsDecl> določa, kako so sestavljene kanonične reference v dokumentu TEI
- <classDecl> daje informacije o vseh sistemih za klasifikacijo, uporabljenih v dokumentu TEI
- <appInfo> se lahko uporablja za beleženje informacij o programih, ki so delovali pri nastajanju dokumenta TEI

<profileDesc>

Vsebuje klasifikacijske in kontekstualne informacije o besedilu, kot je njegova vsebina, situacija, v kateri je bilo ustvarjeno, posamezniki, ki jih opisujejo ali sodelujejo pri ustvarjanju, itd.

- <abstract> vsebuje povzetek ali formalni povzetek, ki ga kodirnik doda predpono k obstoječemu izvirnemu dokumentu.
- <creation> ustvarjanje (ustvarjanje) vsebuje podatke o nastanku besedila
- <langUsage> (uporaba jezika) opisuje jezike, podjezike, registre, narečja itd., predstavljene v besedilu
- <textClass> (razvrstitev besedil) združuje informacije, ki opisujejo naravo ali temo besedila v smislu standardne klasifikacijske sheme, tezavra itd.
- <correspDesc> (opis korespondence) vsebuje opis dejanj, povezanih z korespondenco
- <calendarDesc> (opis koledarja) vsebuje opis koledarskega sistema, uporabljenega v katerem koli izrazu za datiranje v besedilu
- <particDesc> (opis udeležbe) opisuje določljive govorce, glasove ali druge udeležence v kateri koli vrsti besedila ali druge osebe, imenovane ali drugače navedene v besedilu, izdaji ali metapodatkih. settingDesc
- <settingDesc> (opis prizorišča) opisuje prizorišče, na katerem poteka jezikovna interakcija, ali druga mesta, ki so drugače navedena v besedilu, izdaji ali metapodatkih.

Metadata Encoding and Transmission Standard (METS)

- Standard metapodatkov za kodiranje opisnih, administrativnih in strukturnih metapodatkov o objektih v digitalni knjižnici oziroma repozitoriju.
- Del MARC standardov (machine-readable cataloging), ki jih upravlja Library of Congress.
- Kot XML shema, ki je primerna za:
 - ustvarjanje dokumenta XML, ki izražajo hierarhično strukturo digitalnih objektov,
 - beleženje imen in lokacij datotek, ki sestavljajo te digitalne objekte,
 - beleženje metapodatkov.
- Uporabno v okviru referenčnega modela za odprti arhivski informacijski sistem (Open Archival Information System - OAIS): sprejeti informacijski paket (SIP), arhivski informacijski paket (AIP), dostopni informacijski paket (DIP).
- Velika fleksibilnost, zmanjšana interoperabilnost, aplikacijski institucionalni profili.

- METS header <metsHdr>: Podatki o samem METS dokumentu, npr. ustvarjalec, datum ipd.
- Descriptive Metadata <dmdSec>: Opisni metapodatki o digitalnem objektu, lahko podani v poljubni metapodatkovni shemi.
- Administrative Metadata <amdSec>: Kako so bile datoteke ustvarjene in shranjene, pravice intelektualne lastnine, metapodatki o izvornem objektu in informacije o poreklu datotek, ki sestavljajo objekt.
- File Section <fileSec>: Navede vse datoteke z vsebino, ki sestavljajo elektronske različice digitalnega objekta.
- Structural Map <structMap>: Orisuje hierarhično strukturo za digitalni objekt in povezuje elemente te strukture s povezanimi datotekami vsebine in metapodatki.
- Structural Links <structLink>: Beleženje obstoja hiperpovezav med elementi znotraj structMap.
- Behavioral <behaviorSec>:

Metadata Object Description Schema (MODS)

- Standard bibliografskih metapodatkov, implementiran v XML.
- Implementira podmnožico elementov MARC (Machine Readable Cataloging) z uporabo jezikovnih namesto številskih oznakah, in jih združuje nekoliko drugače:
 - poenostavljena različica MARC 21 in
 - kot bogatejša alternativa za Dublin Core.
- Elementi na najvišji ravni: titleInfo, language, note, location, name, physicalDescription, subject, accessCondition, typeOfResource, abstract, classification, part, genre, tableOfContents, relatedItem, extension, originInfo, targetAudience, identifier, recordInfo.

Lightweight Information Describing Objects (LIDO)

- XML shema za opis muzejskih predmetov.
- LIDO je specifična XML aplikacija za CIDOC Conceptual Reference Model (CRM), ki je razširljiva ontologija za koncepte in informacije v kulturni dediščini in muzejski dokumentaciji.
- Ustanove kulturne dediščine LIDO uporabljajo za razkrivanje, deljenje in povezovanje podatkov na spletu.
- Opisni metapodatki (mdr.):
 - klasifikacijske informacije (vrsta predmeta, zvrst, oblika, ...)
 - identifikacijski podatki (ime, napisi, mere, opis predmeta, ...)
 - dogodki v zgodovini predmeta (nastanek, proizvodnja, restavriranje, pridobitev, izguba, osebe/kraji/predmeti, ki so bili vpleteni v dogodek, ...)
 - povezava z drugimi subjekti (koncepti, udeležene osebe/kraji/predmeti, ...)
- Administrativni metapodatki:
 - pravice, povezane s predmetom informacije o samem zapisu (ID, oblika, izvor, licenca ...)
 - informacije o digitalnem viru (povezava do zapisa, povezane strani, ...)

Encoded Archival Description (EAD)

- Standard za kodiranje opisnih informacij v zvezi z arhivskimi dokumenti.
- Značilnosti arhivskih opisov:
 - Arhivski opis predstavlja zbirko oziroma fond, ki pogosto vsebuje posamezne predmete zelo različnih medijev, ki pa imajo skupen izvor oziroma provenienco.
 - Opisovanje arhivskega gradiva vključuje kompleksno hierarhično in progresivno analizo. Začne se z opisom celote, nato se pomakne navzdol do podkomponent; opis se pogosto ne razširi na raven dokumenta.
 - Arhivski opis se osredotoča na intelektualno strukturo in vsebino zbirke in ne na njene fizične komponente.

Metapodatki / kaj je v tej konzervi



Metapodatki / kaj je v tej konzervi



Metapodatki / kaj je v tej konzervi



Kaj nam povedo podatki v tej tabeli

001	12	01	98
002	36	02	175
003	72	01	94
004	42	01	130
005	18	02	125

Kaj nam povedo podatki v tej tabeli

Respondent ID	Age	Sex	Weight
001	12	01	98
002	36	02	175
003	72	01	94
004	42	01	130
005	18	02	125

Age is in years as of last birthday

Sex: 01 = Male, 02 = Female

Weight is in pounds

Metapodatki



Vloga metapodatkov

Metapodatki podpirajo 3 glavne uporabe:

- Odkrivanje – poiščite ustrezne vire (npr. podatke)
- Razumljivost - prenesite semantiko virov
- Uporaba - opišite omejitve uporabe

Metapodatki so

Konzerva s hrana

Metapodatki so tisto, kar piše na etiketi na pločevinki

Opisujejo vsebino pločevinke

Številčna tabela

Metapodatki so

Naslovi stolpcev

Opisi vrednosti v vsakem stolpcu

Opišejo tabelo in podatke v celicah

Exercise

What is the study about?
Who created it?

Who was asked?
What is the population?

Mode of collection?

What is the meaning of the codes?

What was the data capture?
(the question)

What was the previous question?

What was the intent/concept of the question?

Who funded it?

What do the variables mean?

	v1	v2	v3	v4	v5	v6	v7	v8	v9	v10	v11	v12	v13	v14	v15
1	1.040e+14				104012										5
2	1.040e+14	1	19		104008							1		4	5
3	1.040e+14	4	98		104003							1	6	3	11
4	1.040e+14	2	98		104010							1040			
5	1.040e+14					99						99			
6	1.040e+14						1	1983		99		99			
7	1.040e+14						2	1970	1	99		99			
8	1.040e+14						1					99			
9	1.040e+14						1					99			
10	1.040e+14											1040			
11	1.040e+14					99						99			
12	1.040e+14											99			
13	1.040e+14	7			104005							99	1	3	5
14	1.040e+14	4			104005							99			5
15	1.040e+14					99	2					99			5
16	1.040e+14											99			5
17	1.040e+14						1	1974		99		99			5
18	1.040e+14											99			1
19	1.040e+14						1	7777	1	99		99			1
20	1.040e+14											99			2
21	1.040e+14											99			3
22	1.040e+14											99			5
23	1.040e+14											99	1	5	5
24	1.040e+14	18			104004							2	1	1	2
25	1.040e+14	1	19		104006							1	3	6	3
26	1.040e+14	1	19		104006							1	3	6	3
27	1.040e+14	3	16		104004							1	4	2	3
28	1.040e+14					99	2	1952	1	99		99			5
29	1.040e+14						2	1947	2	1276	1040	1040	1	1	3

Project-level documentation



The project-level documentation explains the aims of the study, what the research questions/hypotheses are, what methodologies were being used, what instruments and measures were being used, etc. In the accordion the questions that your project-level documentation should answer are stated in more detail:

- ⊕ 1. For what purpose was the data created
- ⊕ 2. What does the dataset contain?
- ⊕ 3. How was data collected?
- ⊕ 4. Who collected the data and when?
- ⊕ 5. How was the data processed?
- ⊕ 6. What possible manipulations were done to the data?
- ⊕ 7. What were the quality assurance procedures?
- ⊕ 8. How can the data be accessed?



Data-level documentation

Data-level or object-level documentation provides information at the level of individual objects such as pictures or interview transcripts or variables in a database. You can embed data-level information in data files. For example, in interviews, it is



⊖ Quantitative data

Variable-level annotation should be embedded within a data file itself. If you need to compile an extensive variable level documentation, you can create it by using a structured metadata format.



Data-level documentation for quantitative data

For quantitative data document the following information is needed:

- **Information about the data file**

Data type, file type, and format, size, data processing scripts.

- **Information about the variables in the file**

The names, labels and descriptions of variables, their values, a description of derived variables or, if applicable, frequencies, basic contingencies etc. The exact original wording of the question should also be available. Variable labels should:

- Be brief with a maximum of 80 characters;
- Indicate the unit of measurement, where applicable;
- Reference the question number of a survey or questionnaire, where applicable.

⊕ Example of a variable and variable label

- **Information about the cases in the file**

A specification of each case (units of research like e.g. a respondent) if applicable.

- **Names, labels and descriptions for variables, records and their values**
- **Description of the missing values at each variable**
- **Description of the weighting variable**
- **Explanation or definition of codes and classification schemes used**

Storing documentation



Kaj želimo opisati

- Podatke
- Spremenljivke
- Klasifikacijske sheme
- Sezname šifrantov
- Vprašanja
- Vprašalniki
- Instrumenti
- Postopek zbiranja

Vzorčna zasnova

Uteževanje

Transformacije podatkov

Postopki urejanja

DDI - metapodatkovni standard za področje družboslovja

Data Documentation Initiative(DDI) – metapodatkovni standard, zasnovan posebej za opisovanje podatkov iz družbenih, političnih in vedenjskih ved

Standardizirani metapodatki

Strukturirano na dosleden, predvidljiv način

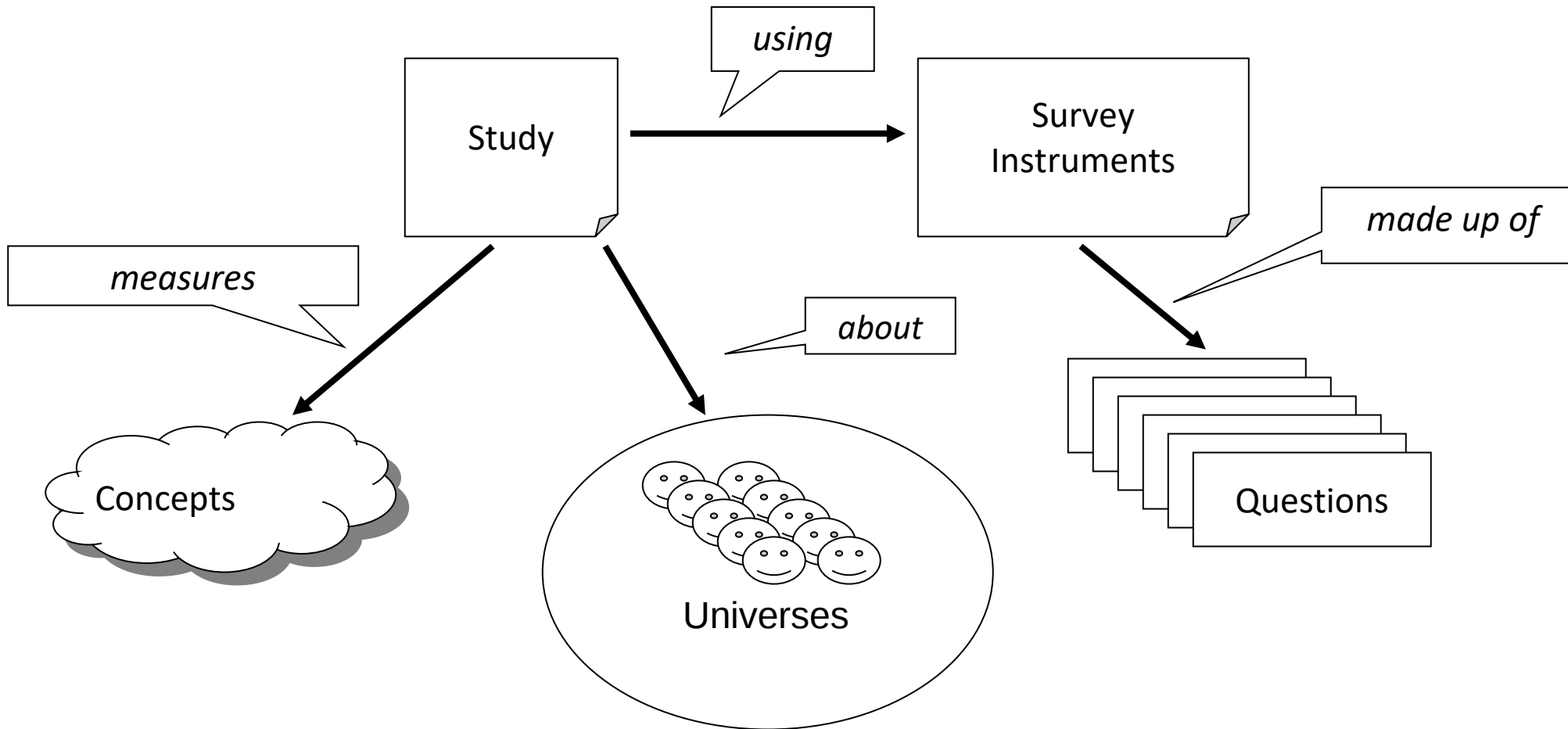
Strojno berljivi

Je deljiv in interoperability; ni odvisen od orodij, sistema

Omogoča, da so podatki FAIR

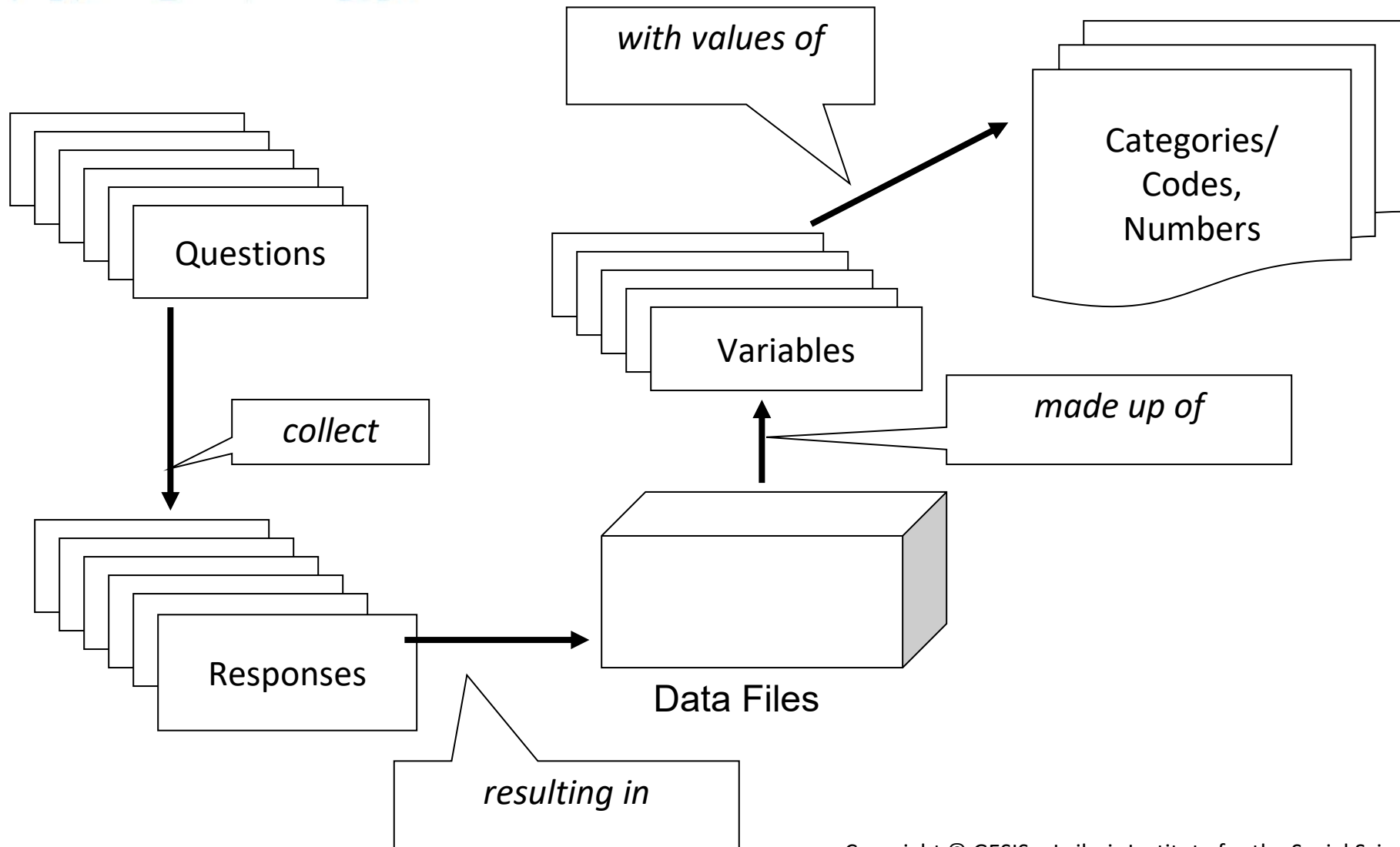
```
S7. HAVE YOU EVER APPLIED FOR COLLEGE OR ATTENDED COLLEGE FOR ANY AMOUNT OF T
</labl>
<valrng>
  <range UNITS="REAL" min="1" max="9"/>
</valrng>
<sumStat type="vald">
  1758
</sumStat>
<sumStat type="invd">
  1695
</sumStat>
<catgry>
  <catValu>
    1
  </catValu>
  <labl>
    YES, HAS APPLIED FOR OR ATTENDED COLLEGE
  </labl>
  <catStat type="freq">
    1275
  </catStat>
</catgry>
<catgry>
  <catValu>
    2
  </catValu>
  <labl>
    NO. HAS NOT APPLIED FOR OR ATTENDED COLLEGE
```

DDI Nivo raziskave



[Source](#)

DDI Nivo spremenljivk



[Source](#)

DDI - razpoložljivi standardi



CODEBOOK

DDI Codebook (DDI – C)

- A light-weight version of the standard intended to document simple survey data.



LIFECYCLE

DDI Lifecycle (DDI – L)

- Designed to document and manage data across the entire life cycle from conceptualisation to analysis.



CDI

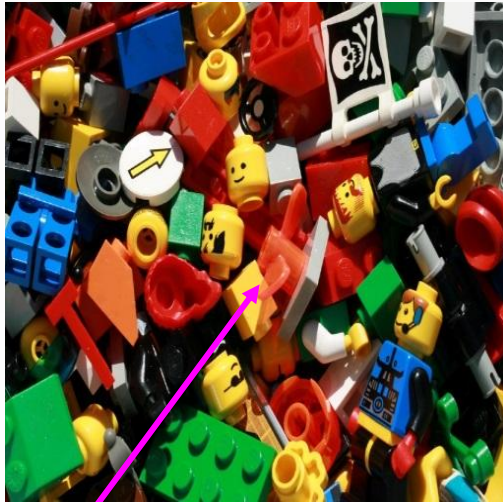
DDI Cross Domain Integration (DDI – CDI)

- Model-based specification. Covers new data structures and data types. Interoperates with other standards and captures provenance.

Also: Specifications for using controlled vocabularies and RDF vocabularies for data discovery and describing statistical classifications

DDI-Codebook

**Metadata not
structured**



Lost Metadata
Manager

*DDI Codebook
structures*



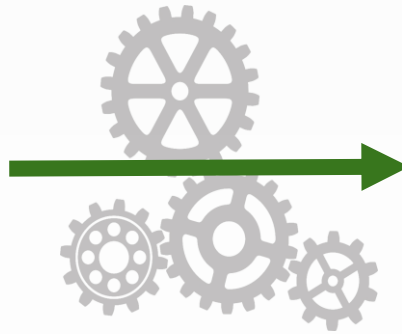
**Metadata structured by
DDI Codebook standard**



[Source](#)

DDI Lifecycle

**Metadata
structured by
DDI Lifecycle
standard**



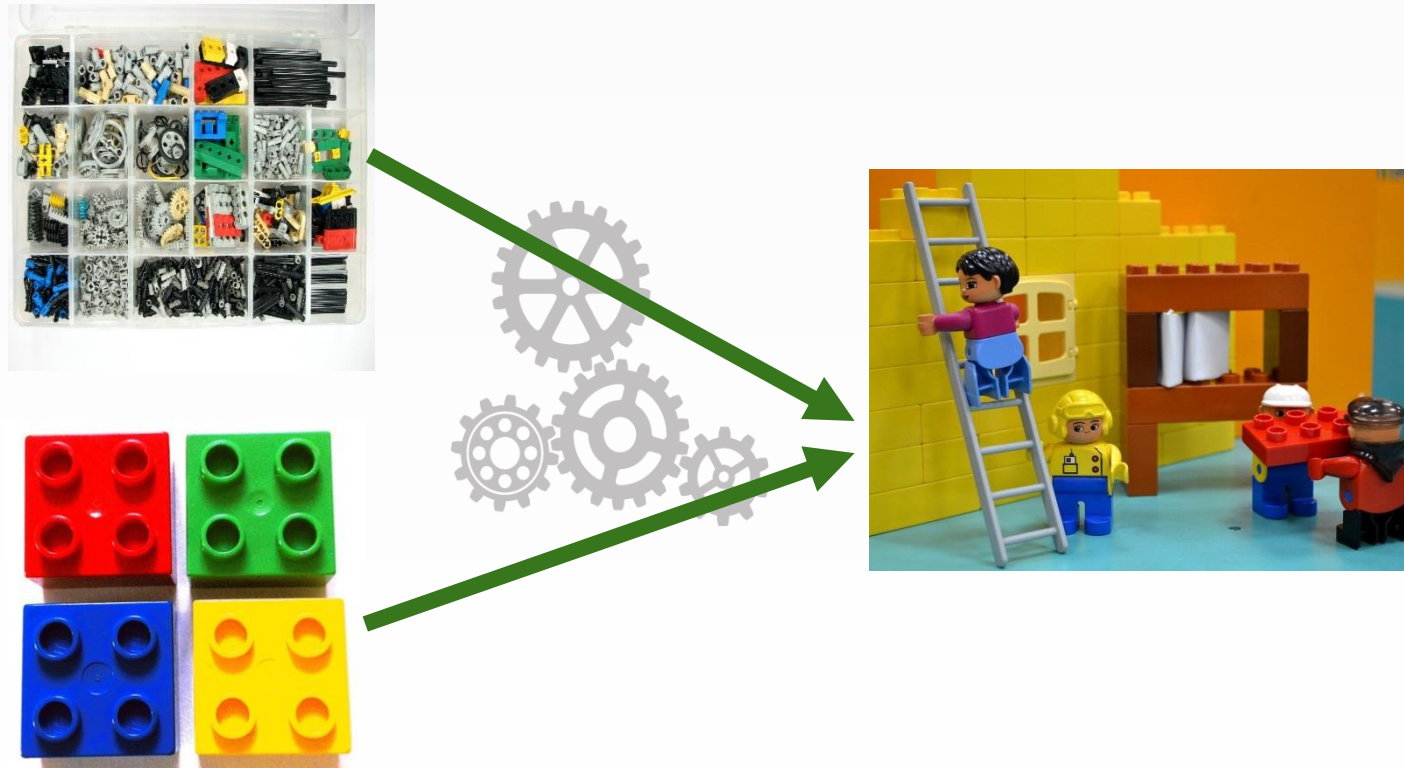
**Metadata specified
by DDI Lifecycle standard**



[Source](#)

DDI Cross Domain Integration

- Integration with other standards
- Integrate data from different domains that cover multiple data structures
- Captures provenance



[Source](#)

Interoperabilnost z drugimi standardi

- Dublin Core and MARC
- Generic Statistical Information Model (GSIM)
- ISO/IEC 11179 (Geography)
- ISO 19118 (Geography)
- ISO 17369 SDMX – Statistical Data and Metadata Exchange
- METS and PREMIS
- Structured Data Transformation Language (SDTL)
- Validation and Transformation Language (VTL)
- Others

Let's get into DDI - C

```
-<codeBook xsi:schemaLocation="ddi:codebook:2_5 http://www.ddialliance.org/Specification/DDI-Codebook/2.5/XMLSchema/codebook.xsd" version="2.5"
xml:lang="en-GB">
  +<docDscr></docDscr>
  +<stdyDscr></stdyDscr>
  +<fileDscr ID="F1" xml:lang="en-GB" URI="../../podatki/evara17/evara17_p1_en_v1_r2.txt" access="ccbync"></fileDscr>
  +<dataDscr></dataDscr>
  +<otherMat URI="../../podatki/evara17/evara17_vp1_sl_v1_r1.pdf" level="study" type="*.pdf - GRAPHIC" ID="EVARA17_VP1_SL_V1_R1"></otherMat>
  +<otherMat URI="../../podatki/evara17/evara17_vp1_en_v1_r1.pdf" level="study" type="*.pdf - GRAPHIC" ID="EVARA17_VP1_EN_V1_R1"></otherMat>
</codeBook>
```

[FULL XML](#)

```

-<codeBook xsi:schemaLocation="ddi:codebook:2_5 http://www.ddialliance.org/Specification/DDI-Codebook/2.5/XMLSchema/codebook.xsd" version="2.5"
xml:lang="en-GB">
+<docDscr></docDscr>
-<stdyDscr>
-<citation>
-<titlStmt>
-<titl xml:lang="en-GB">
  Survey about cyberattack protection motivation in higher education, 2017
</titl>
-<subTitl xml:lang="en-GB">
  Researchers and pedagogues at Slovenian universities
</subTitl>
-<parTitl xml:lang="sl-SI">
  Anketa o motivaciji za zaščito pred kibernetскими napadi v visokem šolstvu, 2017: Raziskovalci in pedagogi na slovenskih univerzah
</parTitl>
<IDNo agency="ADP">EVARA17</IDNo>
<IDNo agency="dara">https://doi.org/10.17898/ADP_EVARA17_V1</IDNo>
</titlStmt>
-<rspStmt>
<AuthEnty affiliation="Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security">Mihelič, Anže</AuthEnty>
<AuthEnty affiliation="Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security">Vrhovec, Simon</AuthEnty>
</rspStmt>
-<prodStmt>
<producer affiliation="Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security"
xml:lang="en-GB">Vrhovec, Simon</producer>
<prodDate date="2021;" xml:lang="en-GB">2021</prodDate>
<prodPlac xml:lang="en-GB">Ljubljana, Slovenia</prodPlac>
<software version="27.0" ID="SPSS" xml:lang="en-GB">SPSS</software>
-<fundAg abbr="UM FVV" xml:lang="en-GB">
  Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security
</fundAg>
</prodStmt>
-<distStmt>

```

Let's open whole document to see the structure !!!!!

XML Schema Documentation

[Overview](#)
[All Components](#)
[Namespace Bindings](#)

Namespaces (6)
[ddi:codebook:2_5](#)
[http://purl.org/dc/dcmitype/](#)
[http://purl.org/dc/elements/1.1/](#)
[http://purl.org/dc/terms/](#)
[http://www.w3.org/1999/xhtml](#)
[http://www.w3.org/XML/1998/namespace](#)

XML Schemas (26)
[codebook.xsd \[src\]](#)
[dc.xsd \[src\]](#)
[dcmitype.xsd \[src\]](#)
[dcterms.xsd \[src\]](#)

[anlysUnit](#)
[anlyUnit](#)
[any](#)
[attribute](#)
[audience](#)
[AuthEnty](#)
[authorizationStatement](#)
[authorizingAgency](#)
[available](#)
[aviStatus](#)
[b](#)
[backward](#)
[bdo](#)
[biblCit](#)
[bibliographicCitation](#)
[big](#)
[blockquote](#)
[boundPoly](#)
[br](#)
[caption](#)
[caseQnty](#)
[catgry](#)
[catgryGrp](#)
[catl_level](#)
[catStat](#)
[catValu](#)
[citation](#)
[cite](#)
[citReg](#)
[cleanOps](#)
[code](#)
[codeBook](#)
[codeListAgencyName](#)
[codeListID](#)
[codeListName](#)
[codeListSchemeURN](#)
[codeListSchemeURN](#) (in [controlledVocabUsed](#))
[codeListURN](#)
[codeListVersionID](#)
[codingInstructions](#)
[codInstr](#)
[cohort](#)
[col](#)

element <AuthEnty> (global)

Namespace: [ddi:codebook:2_5](#)
Type: [AuthEntyType](#)
Content: mixed (allows character data), 9 [attributes](#), 24 [elements](#)
Defined: globally in [codebook.xsd](#); see [XML source](#)
Used: at 1 [location](#)

XML Representation Summary

```
<AuthEnty
  ID = xs:ID
  xml-lang = xs:NMTOKEN
  xml:lang = xs:language
  source = ("archive" | "producer") : "producer"
  elementVersion = xs:string
  elementVersionDate = (xs:dateTime | xs:date | xs:gYearMonth | xs:gYear)
  ddiLifecycleUrn = xs:anyURI
  ddiCodebookUrn = xs:anyURI
  affiliation = xs:string
>
Content: {text} × (ExtLink* | Link* | div | emph | head | hi | list | p | xhtml:h1 | xhtml:h2 | xhtml:h3 | xhtml:h4 | xhtml:h5 | xhtml:h6 | xhtml:ul | xhtml:ol | xhtml:dl | xhtml:p | xhtml:div | xhtml:pre | xhtml:blockquote | xhtml:address | xhtml:hr | xhtml:table)*
</AuthEnty>
```

Content model elements (24):

[ExtLink](#), [Link](#), [div](#), [emph](#), [head](#), [hi](#), [list](#), [p](#), [xhtml:address](#), [xhtml:blockquote](#), [xhtml:div](#), [xhtml:dl](#), [xhtml:h1](#), [xhtml:h2](#), [xhtml:h3](#), [xhtml:h4](#), [xhtml:h5](#), [xhtml:h6](#), [xhtml:hr](#), [xhtml:ol](#), [xhtml:p](#), [xhtml:pre](#), [xhtml:table](#), [xhtml:ul](#)

Included in content model of elements (1):

[rspStmt](#)

Known Usage Locations

- Within global complexTypes (1):
[rspStmtType \[ref\]](#)

Annotation

Authoring Entity/Primary Investigator

[See in schema](#)

Description

The person, corporate body, or agency responsible for the work's substantive and intellectual content. Repeat the element for each author, and use "affiliation" attribute if available. Invert first and last name and use commas. Author of data collection (codeBook/stdyDscr/citation/rspStmt/AuthEnty) maps to Dublin Core Creator element. Inclusion of this element in codebook is recommended.

The "author" in the Document Description should be the individual(s) or organization(s) directly responsible for the intellectual content of the DDI version, as distinct from the person(s) or organization(s) responsible for the intellectual content of the earlier paper or electronic edition from which the DDI edition may have been derived.

Example

Nivo spremenljivk

```
-<var ID="V4" name="PT2" files="F1" dcml="0" intrvl="contin" wgt="not-wgt">
  <location width="8"/>
  <labl xml:lang="en-GB">
    Perceived threats [2]: Consequences of successful cyberattacks would highly threaten me.
  </labl>
  <qstn>
    <preQTxt>
      Mark your agreement with the statements about the seriousness of cyberattacks.
    </preQTxt>
    <qstnLit xml:lang="en-GB">
      Consequences of successful cyberattacks would highly threaten me.
    </qstnLit>
  </qstn>
  <valrng>
    <range UNITS="REAL" min="1" max="7"/>
  </valrng>
  <invalrng>
    <item UNITS="REAL" VALUE="-99"/>
  </invalrng>
  <sumStat type="vald" wgt="not-wgt" 317 </sumStat>
  <sumStat type="invd" wgt="not-wgt" 7 </sumStat>
  <sumStat type="min" wgt="not-wgt" 1 </sumStat>
  <sumStat type="max" wgt="not-wgt" 7 </sumStat>
  <catgry missing="N">
    <catValu> 1 </catValu>
    <labl xml:lang="en-GB"> Strongly disagree </labl>
    <catStat type="freq"> 3 </catStat>
  </catgry>
  <catgry missing="N">
    <catValu> 2 </catValu>
    <labl xml:lang="en-GB"> Disagree </labl>
    <catStat type="freq"> 30 </catStat>
  </catgry>
```

[Source](#)

DDI Tools

There are many tools available to help you work with DDI, from authoring and editing to data transformations and conversions. They've been developed independently by a variety of organizations within the global DDI community: Commercial, governmental, and academic.

Find a Tool

You can browse the full list of tools below or filter the list according to your needs using the fields below. There are three main categories of tools: Software, software components, and stylesheets.

[Comments or suggestions?](#)

[How to Submit a Tool](#)

If you have a tool that you would like to share on the DDI Alliance website, please [read more about our submission process](#).

Tool Purpose

- Any -

DDI version(s) supported

- Any -

Availability

- Any -

Supported Operating Systems

- Any -

Search Tools by Name

Filter

Reset

Name	Version(s) supported	Availability	Description	Purpose
Archivist	3.2	In production	Archivist is an easy to use editor that allows documentation of questionnaires including routing...	Questionnaire editor
CED2AR	2.5	In production	CED2AR (pronounced as cedar), or the Comprehensive Extensible Data Documentation and Access...	Editor, Index/Search, Store
Colectica Designer	1.x, 2.0, 2.1, 2.5, 3.1, 3.2, 3.3	In production	Colectica Designer is a visual DDI metadata editor and survey questionnaire designer. It...	Conversion among DDI, DDI from software, Editor, Index/Search, Questionnaire design
Colectica for Excel	3.1, 3.2, 3.3	In production	Colectica for Microsoft Excel is a free tool to document your spreadsheet data using the open...	DDI from software, Editor, Transformation
Colectica Portal	3.1, 3.2, 3.3	In production	Colectica Portal is a web application, powered by Colectica Repository, which enables data and...	Index/Search, Store
Colectica Questionnaires	3.2, 3.3	In production	Colectica Questionnaires is a survey specification creator. Surveys designed with Colectica...	Questionnaire designer
Colectica Repository	3.1, 3.2, 3.3	In production	Colectica Repository is a centralized storage system for managing DDI data resources, enabling...	Index/Search, Store
Colectica Resolver	3.1, 3.2, 3.3	Unknown	Colectica DDI Resolver is a DNS-based resolution	Resolution service

SURVEY ABOUT CYBERATTACK PROTECTION MOTIVATION IN HIGHER EDUCATION, 2017: RESEARCHERS AND PEDAGOGUES AT SLOVENIAN UNIVERSITIES

Study description

Data description

Accompanying Materials

Nesstar Browser

Basic Study Information

ADP - IDNo: EVARA17

DOI: https://doi.org/10.17898/ADP_EVARA17_V1

Main author(s):

Mihelič, Anže
Vrhovec, Simon

Data file producer:

Vrhovec, Simon, Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security (Ljubljana, Slovenia; 2021)

Funding agency:

Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security

Project number:

no information

Study Content

Keywords ADP: protection-motivation theory, higher education, university, cybersecurity, cyber threat, computer security, internet

Keywords ELSST:

CYBERCRIME, CYBERBULLYING, COMPUTER SECURITY, INTERNET



TERMS OF USE:



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[download data](#) | [study description](#)

DOCUMENTATION STATUS

4 - Full Study description and XML DDI Codebook Data description with full questions text.

CLASS OF THE STUDY

7 - studies that permits theoretical generalisations or relates on a practical problem, less influential

How to CITE this study?

Mihelič, A. and Vrhovec, S. (2022). *Survey about cyberattack protection motivation in higher education, 2017: Researchers and pedagogues at Slovenian universities* [Data file]. Ljubljana: University of Ljubljana, Slovenian Social Science Data Archives. ADP - IDNo: EVARA17. https://doi.org/10.17898/ADP_EVARA17_V1

[Full
descri](#)

[EVARA17]³ Survey about cyberattack protection motivation in higher education, 2017 : Researchers and pedagogues at Slovenian universities

- Metadata
 - Study Description
 - Data Files Description
 - Other Documentation
- Variable Description
- Bookmarks

Dataset: [EVARA17]³ Survey about cyberattack protection motivation in higher education, 2017 : Researchers and pedagogues at Slovenian universities

Researchers and pedagogues at Slovenian universities

Abstract

The aim of this study was to explore factors associated with motivation of individuals in organizations to protect against cyberattacks. The objectives of this study were to determine how fear of cyberattacks, perceived severity, perceived vulnerability, perceived threats, measure efficacy, self-efficacy, measure costs, mandatoriness and psychological reactance are associated with protection motivation of individuals in organizations. The survey was conducted among researchers and pedagogues at six Slovenian universities. Questionnaire and data file are available in Slovenian and English language.

Full Title

[EVARA17]³ Survey about cyberattack protection motivation in higher education, 2017 : Researchers and pedagogues at Slovenian universities

Subtitle

Researchers and pedagogues at Slovenian universities

Parallel Title

Anketa o motivaciji za zaščito pred kibernetскими napadi v visokem šolstvu, 2017: Raziskovalci in pedagogi na slovenskih univerzah

Identification Number

evara17-en

Authoring Entity

Name	Affiliation
Mihelič, Anže	Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security
Vrhovec, Simon	Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security

Producer

Name	Affiliation	Abbreviation	Role
Vrhovec, Simon	Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security		

Place of Production

Ljubljana, Slovenia

Funding Agency/Sponsor

Name	Abbreviation	Role	Grant
Univerza v Mariboru = University of Maribor, Fakulteta za varnostne vede = Faculty of Criminal Justice and Security	UM FVV		

[Full
descrip](#)

[EVARA17]³ Survey about cyberattack protection motivation in higher education, 2017 : Researchers and pedagogues at Slovenian universities

Metadata

- Study Description
- Data Files Description
- Other Documentation

Variable Description

ID, GROUP

PERCEIVED THREATS

- Perceived threats [1]: Cyberattacks pose a serious threat to me.
- Perceived threats [2]: Consequences of successful cyberattacks would highly threaten me.
- Perceived threats [3]: Cyberattacks pose a serious danger to me.

PERCEIVED SEVERITY (ORGANIZATION)

FEAR OF CYBERATTACKS

PERCEIVED VULNERABILITY (INDIVIDUAL)

PERCEIVED SEVERITY (INDIVIDUAL)

PERCEIVED VULNERABILITY (ORGANIZATION)

MANDATORINESS

PSYCHOLOGICAL REACTANCE

MEASURE EFFICACY

SELF-EFFICACY

MEASURE COSTS

PROTECTION MOTIVATION

DEMOGRAPHY

User defined variables

Bookmarks

Dataset: [EVARA17]³ Survey about cyberattack protection motivation in higher education, 2017 : Researchers and pedagogues at Slovenian universities

Researchers and pedagogues at Slovenian universities

Variable PT1: Perceived threats [1]: Cyberattacks pose a serious threat to me.

PREQUESTION TEXT

Mark your agreement with the statements about the seriousness of cyberattacks.

LITERAL QUESTION

Cyberattacks pose a serious threat to me.

Values	Categories	N	
1	Strongly disagree	8	2.5%
2	Disagree	31	9.7%
3	Somewhat disagree	19	6.0%
4	Neutral	26	8.2%
5	Somewhat agree	81	25.4%
6	Agree	106	33.2%
7	Strongly agree	48	15.0%
-99	Missing	5	

SUMMARY STATISTICS

Valid cases	319
Missing cases	5
Minimum	1.0
Maximum	7.0
Mean	5.041
Standard deviation	1.593
This variable is numeric	

[Full description](#)

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▸ Collection years



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1



Survey about **cyberattack** protection motivation in higher education, 2017

Mihelič, Anže (University of Maribor, Faculty of Criminal Justice and Security);

Vrhovec, Simon (University of Maribor, Faculty of Criminal Justice and Security)

The aim of this study was to explore factors associated with motivation of individuals in organizations to protect against cyberattacks. The objectives of this study were to determine how fear of cyberattacks, perceived severity, perceived vulnerability, perceived threats, measure efficacy, self-efficacy, measure costs, mandatoriness and psychological reactance are...

University

Cybersecurity (🔗 ELSST)

Protection-motivation theory

INTERNET (🔗 ELSST)

COMPUTER SECURITY (🔗 ELSST)

Computer security (🔗 ELSST)

Internet (🔗 ELSST)

(5 more)

▾ Read more

📄 Study description available in:

EN

🔗 Access study

Eurobarometer 90.1 (2018)

European Commission, Brussels; Directorate General Communication, COMMA.3 'Media monitoring, media analysis and Eurobarometer';

European Parliament, Directorate-General for Communication, Public Opinion Monitoring Unit

Since the early 1970s the European Commission's Standard & Special Eurobarometer are regularly monitoring the public opinion in the European Union member countries. Principal investigators are the Directorate-General Communication and on occasion other departments of the European Commission or the European Parliament. Over time, candidate and accession countries were...

▾ Read more

📄 Study description available in:

DE

EN

🔗 Access study

Koristi uporabe metapodatkov

- Več doslednosti pri pripravi in razširjanju podatkov
 - Več primerljivih podatkov
 - Bolj razumljivi podatki
 - Več FAIR podatkov
- Ocenjevanje in zagotavljanje kakovosti podatkov
- Organizacijska učinkovitost
 - Ponovna uporaba metapodatkovnih
 - Boljša zasnova, implementacija in izvedba procesov
 - Povečana avtomatizacija


Zbirka ADP

Analiziraj podatke! Deli raziskavo! Prispevaj k znanosti!

[Zbirka ADP](#) >

Host Dataverse ?

Changing the host dataverse will clear any fields you may have entered data into.

*Asterisks indicate required fields

Citation Metadata ⤴
Title * ?

Subtitle ?

Alternative Title ?

Alternative URL ?

Author * ?
Name * ?

Affiliation ?


Identifier Scheme ?
 ▾

Identifier ?

Contributor ?
Type ?
 ▾

Name ?


Affiliation ?

Vocabulary URL ?

Contact ?

One or more of these fields may become required if you add to one or more of these optional fields.

Name ?**Affiliation** ?**E-mail** ?**Description** * ?

This field supports only certain [HTML tags](#).

Abstract * ?**Date** ?**Subject** * ?**Keyword ELSST** ?**Keyword ADP** ?**Vocabulary** ?**Term** ?**Vocabulary URL** ?

FINDABLE

- F1 – (Meta)data are assigned a globally unique and eternally persistent identifier
- F2 – Data are described with rich metadata
- F3 – (Meta)data are registered or indexed in a searchable resource
- F4 – Metadata specify the data identifier

ACCESSIBLE

A1 – (Meta)data are retrievable by their identifier using a standardized communications protocol

A1.1 – The protocol is open, free, and universally implementable

A1.2 – The protocol allows for an authentication and authorization procedure, where necessary

A2 – Metadata are accessible, even when the data are no longer available

INTEROPERABLE

- I1 – (Meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation
- I2 – (Meta)data use vocabularies that follow FAIR principles
- I3 – (Meta)data include qualified references to other (meta)data

Other “Metadata” in FAIR

- Several specific items mentioned are, in fact, metadata
 - Identifiers (F1)
 - Licensing (R1.1)
 - Provenance (R1.2)
 - Vocabularies (I2)

DDI standard have been focused on data sharing and reuse for decades.
DDI and FAIR share the same goals.

Alles



european values study



Research data

452

Variables

9,418

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26

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6,514

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European Values Study 2017: Ukraine (EVS 2017)

[Balakireva, Olga](#)

Date(s) of Data Collection: 02.11.2020 - 23.11.2020

GESIS Data Archive, Cologne. ZA7539 Data file Version 1.0.0, <https://doi.org/10.4232/1.13714>

Abstract: The **European Values Study** is a large-scale, cross-national and longitudinal survey research program on how **Europeans** think about family, work, religion, politics, and soc ... [more](#)



Linked
information:

Publications (2)

European Values Study 2017: Integrated Dataset (EVS 2017)

[Gedeshi, Ilir](#); [Pachulia, Merab](#); [Poghosyan, Gevorg](#) 

Date(s) of Data Collection: 19.06.2017 - 01.10.2021

GESIS, Cologne. ZA7500 Data file Version 5.0.0, <https://doi.org/10.4232/1.13897>

Abstract: The **European Values Study** is a large-scale, cross-national and longitudinal survey research program on how **Europeans** think about family, work, religion, politics, and soc ... [more](#)



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- > Housing and local environment
- > Physical health
- > Mental health and mental processes
- ✓ Health care
 - Health services utilisation
 - Hospital admissions
 - Immunisations
 - Medications
 - Complementary therapies
 - Health insurance
- > Health behaviour
- > Family and social networks
- > Education
- > Employment and income
- > Expectations, attitudes and beliefs
- > Child development
- > Life events
- > Omics
- > Pregnancy
- Administration
- > COVID-19

View Variables	Filter	Series	Life Stage
794 items found			
A2b: Number of times doctor called to house in past year			
Avon Longitudinal Study of Parents and Children / ALSPAC Childhood (5 years to 12 years 11 months) / ALSPAC My Son/Daughter's Health Questionnaire Dataset			
A2a: Doctor called to house for child in past year			
Avon Longitudinal Study of Parents and Children / ALSPAC Childhood (5 years to 12 years 11 months) / ALSPAC My Son/Daughter's Health Questionnaire Dataset			
Mothercraft classes			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
Labour-preparation classes			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
Number of Antenatal Visits			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
Date of First / Only Antenatal Visit			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
Date of Last Antenatal Visit			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
A.N. Care By Hospital Medical Staff			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
A.N. Care By L.H.A. Medical Officer			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
A.N. Care By General Practitioner			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			
A.N. Care By Midwife Hospital			
1970 British Cohort Study / Birth Survey (1970) / BCS70 Birth Survey (1970) Dataset			

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Filters

Tags

[Emotional Distress -- Anxiety](#) (6)[General Life Satisfaction](#) (5)[In the past 30 days, how often, if at all, have you read or looked closely at the health warnings on cigarette packages?... \(1-5 scale, "Never" to "Very often"\)](#) (5)[Peer Relationships](#) (5)[Tobacco current use indicator](#) (5)[Smoking -- Nicotine Dependence](#) (3)[Would you say your health in general is excellent, very good, good, fair, or poor?](#) (3)[Emotional Distress -- Depression](#) (2)[In general, how would you rate your physical health?](#) (2)[Alcohol -- Negative Consequences](#) (1)[Cognitive Function](#) (1)[Companionship](#) (1)[Family Relationships](#) (1)[Fatigue](#) (1)

Search Results

Showing 1 - 50 of 134,444 results.

health

Search

[View All](#)[search tips](#) ▾

Studies (9,808)

Variables (134,444)

Series (293)

Data-related Publications (18,774)

ICPSR Website (534)

Sort by:

Relevance ▾

1 2 3 4 5

Select ▾

Compare

Var. Name

Label/Question Text

Var. Type

Dataset

☐ [HEALTH](#)

HEALTH: Self-rated health

character

DS9 - Pretest
Survey Data

Taken from: Active for Life: Translation of Physical Activity
Programs for Mid-Life and Older Adults, 2003-2007 [United
States].

[Source](#)

Interoperabilnost

SSHOC D3.1 Report on SSHOC (meta)data interoperability problems

[VIR](#)

Broeder, Daan¹ ; Trippel, Thorsten² ; Degl'Innocenti, Emiliano³ ;
Giacomi, Roberta⁴; Sanesi, Maurizio⁴; Kleemola, Mari⁵ ; Moilanen, Katja⁵;
Ala-Lahti, Henri⁵; Jordan, Caspar⁵; Alfredsson, Iris⁵; L'Hours, Hervé⁶;
Đurčo, Matej⁷ 

Interoperabilnost

Table 1. Used metadata standards/formats according to our informants.

Selected two most important	CIDOC-CRM CMDI (Component Metadata Infrastructure) DataCite DDI Codebook DDI Lifecycle DDI 4 (not yet used) DC (Dublin Core) EDM (Europeana Data Model) MODS (Metadata Object Description Schema) OLAC (Open Language Archives Community) TEI (Text Encoding Initiative)
Used, but not among the two most important	EAD (Encoded Archival Description) IIIF (International Image Interoperability Framework) METS (Metadata Encoding and Transmission Standard) ODRL (Open Digital Rights Language) PREMIS (Preservation Metadata Implementation Strategies) QuDEx (Qualitative Data Exchange Format) FITS (File Information Toolset) DCDDM (DARIAH Collection Description Data Model) Organizational/local schema

VIR

Interoperabilnost

- **Social Sciences / CESSDA, ESS, SHARE:** DDI Codebook, DDI Lifecycle, DataCite, Dublin Core
- **Art and humanities / DARIAH:** TEI, CIDOC-CRM, Dublin Core
- **Language science / CLARIN:** CMDI, TEI, Dublin Core, OLAC
- **Heritage science / E-RIHS:** EDM, Dublin Core



- [DDI Alliance website](#)
- DDI Training Group. (2024, August 13). Understanding Metadata. Zenodo. <https://doi.org/10.5281/zenodo.13310567>
- DDI Training Working Group. (2023, November 17). DDI for Researchers and (Meta)Data Managers. Zenodo. <https://doi.org/10.5281/zenodo.10150717>
- DDI Training Group. (2021, August 11). DDI Basics: What is DDI?. Zenodo. <https://doi.org/10.5281/zenodo.5180510>
- Beuster, B., & Orten, H. (2023, August 23). The Data Documentation Initiative (DDI) Metadata Standards in Context. DDI usage in practice – an example from the European Social Survey. Zenodo. <https://doi.org/10.5281/zenodo.8276829>
- DDI Training Group. (2023, November 1). Achieving FAIR with DDI. Zenodo. <https://doi.org/10.5281/zenodo.10064667>

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