



# ADP - SOCIAL SCIENCE DATA ARCHIVES

Analyze data! Deposit study! Promote science!

---

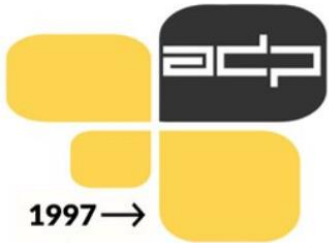
## Linking Web Survey Tool and Data Archives

**Irena Vipavc Brvar (ADP), Vasja Vehovar, Nejc Berzelak (CDI)**

10th Annual European DDI User Conference, 4. - 5. December 2018, Berlin



# Social Science Data Archives (ADP)



Population: 2 mil.

Students in SS: 25.000

Researchers SS: < 2.000

New PhD SS = 150

- Slovenian national data repository for SS

30  
yearly

- 600 social science surveys with data + 150 with metadata only
- ~ 1000 users registered on yearly basis (90 % educ., 10 % sci./research purpose)  
= Online analysis using Nesstar + 168 survey data used for detailed secondary-analysis in 2017

- Member of [CESSDA ERIC](#)



 ADP Social Science Data Archives  
<http://www.adp.fdv.uni-lj.si/eng/>  
CTS Certification 2017-2019

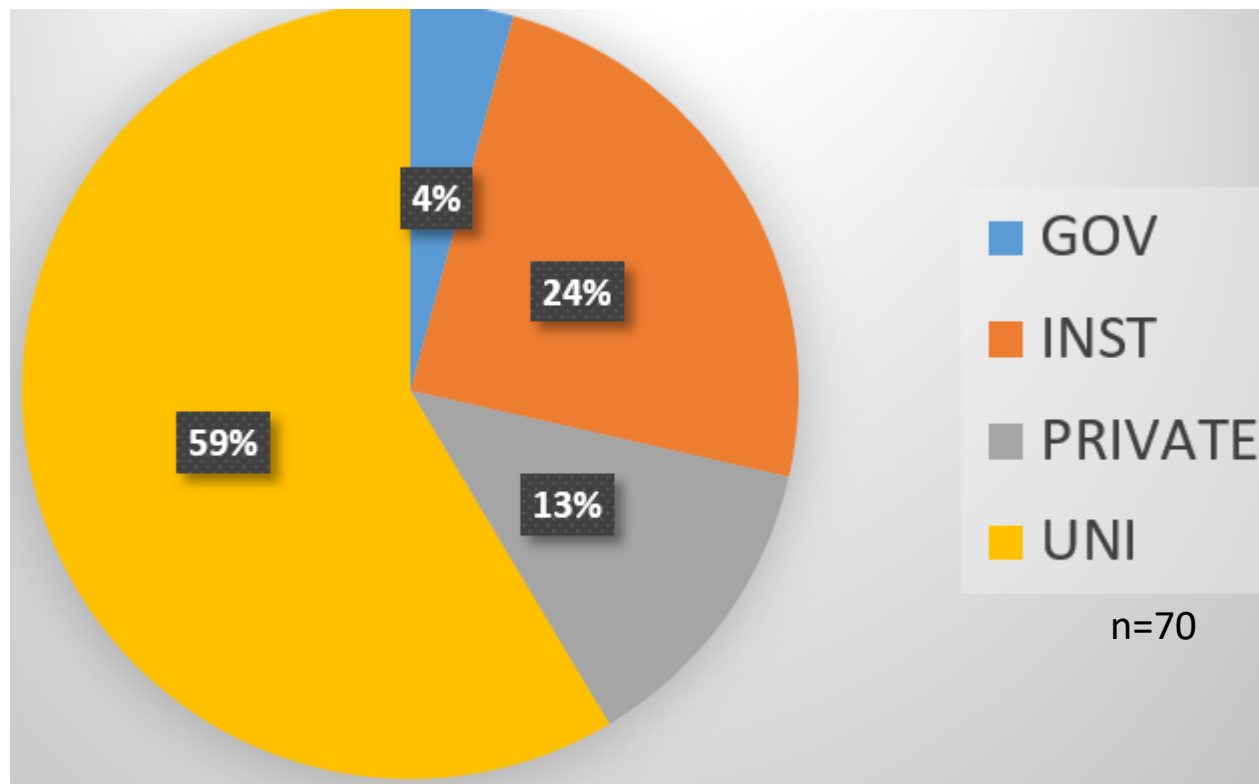


from 70is



# Depositing organizations and researchers

% depositors by sector



Description on how to prepare data and metadata online.

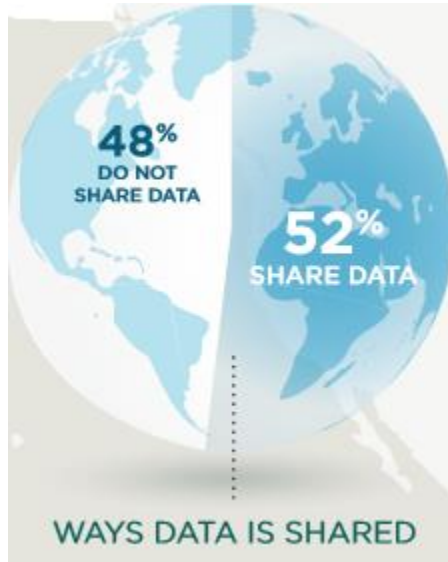
600 survey \* ???? Researchers = amount of PPL you will need to work with

About a **1/3** coming from researchers you work with previously.



# To share or not to share

[Research Data Sharing Insights, 2014](#)



WILEY

[Gill Press, 2016](#)

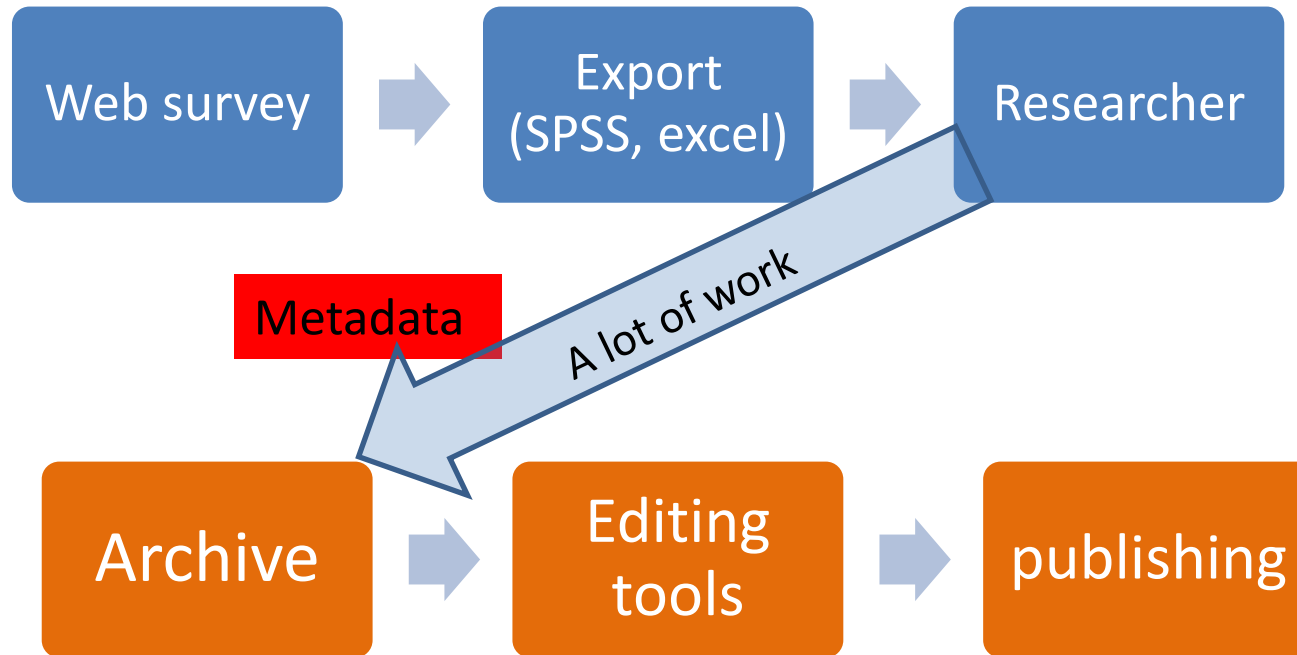
data scientists found that they spend most of their time massaging rather than mining or modeling data.

76% of data scientists view data preparation as the least enjoyable part of their work

## REASONS WHY RESEARCHERS ARE HESITANT TO SHARE THEIR DATA

- 42% Intellectual property or confidentiality issues
- 36% My funder/institution does not require data sharing
- 26% I am concerned that my research will be scooped
- 26% I am concerned about misinterpretation or misuse
- 23% Ethical concerns
- 22% I am concerned about being given proper citation credit or attribution
- 21% I did not know where to share my data
- 20% Insufficient time and/or

# Current workflow



Whishfull thinking



DDI-Codebook 2.5

# Centre for Social Informatics

- Established at the Faculty of Social Sciences in 2011.
- Researchers among the pioneers of web survey methodology.
- Key research areas: survey methodology, safer Internet, social media, digital inequality.
- Two long-running projects in survey methodology:
  - OneClick Survey application for web surveys



- Web Survey Methodology website



# OneClick Survey – 1KA

- Open-source tool for web surveys.
- Development started in 2008.
- Free hosted solution available at [www.1ka.si](http://www.1ka.si), on-premises installation also available.
- 70,000 registered users: students, researchers, public sector users, official statistics, enterprises...
- Over 50,000 surveys and over 2 million responses collected in 2018.

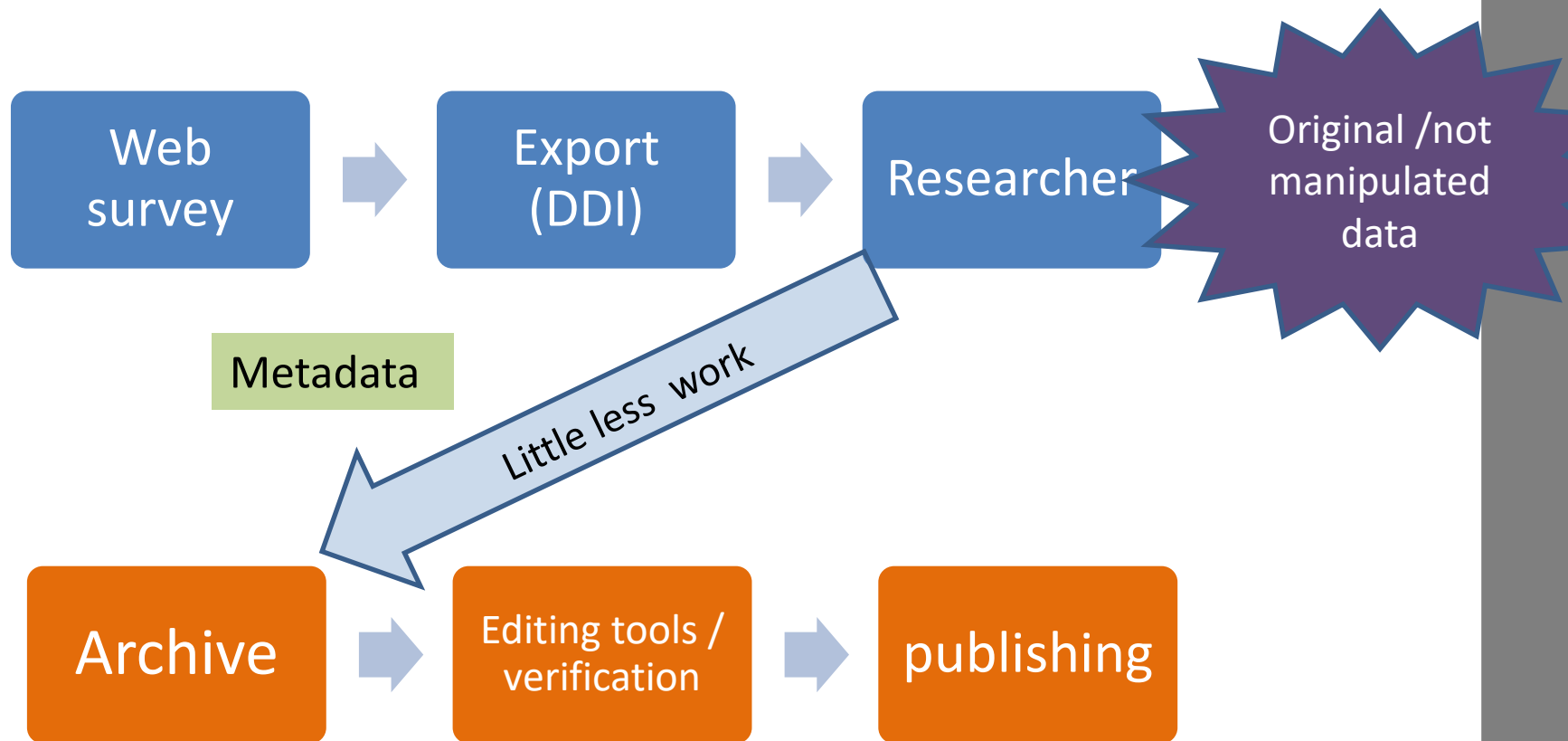
# Key features of 1KA

- Fast creation of basic and advanced web questionnaires using graphical user interface.
- Large number of question types, advanced questionnaire routing, validation of responses and support for multilingual questionnaires.
- Multi-user support with commenting and versioning features.
- Various options for questionnaire distribution.
- Data export, analysis and reporting.





# Proposed workflow

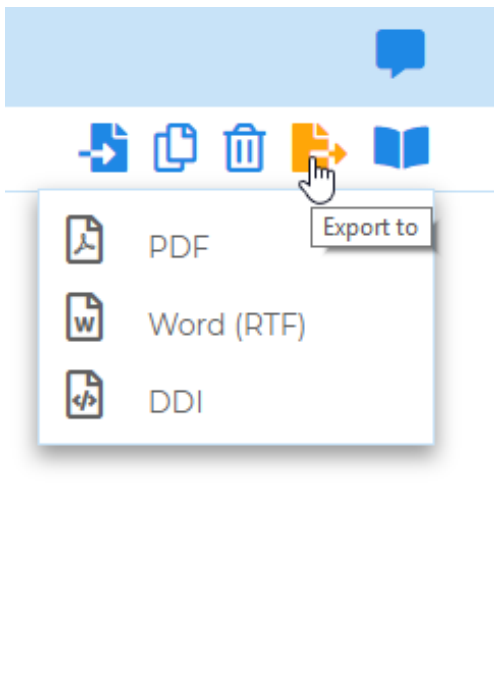


DDI-Codebook 2.5



# Export options (survey instrument + paradata)

## Word and PDF format



Please take a few moments and complete this survey by clicking on Next page.

**Q1 - How would you describe the quality of life in Britain compared to 12 months ago?**

- Much better
- Somewhat better
- A little better
- About the same
- A little worse
- Somewhat worse
- Much worse
- Don't know
- Prefer not to answer

**Q2 - How much do you agree or disagree with the following statements?**

	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree	Don't know	Prefer not to answer
Science and technology are making our lives healthier, easier, and more comfortable.							
Because of science and technology, there will be more opportunities for the next generation.							
We depend too much on science and not enough on faith.							
Scientists adjust their findings to get the answers they want.							
In general, scientists want to make life better for the average person.							
Rules will not stop scientists doing what they want behind closed doors.							



# About this document

## Title and subtitle

**DDI test : Test questionnaire for DDI**

**IDNo: 7759**

## Main author

**Nejc Berzelak**

## Production date

**2018-11-30**

## Software

**1KA - OneClick Survey 18.11.15**




## Version of document

**2018-11-30**

**paradata**

# Survey activation


- Period in which respondents can participate in the survey.
- Potential discrepancy with the actual fielding period because some users do not deactivate the survey after the fielding period is over.


 <http://test.lka.si/a/7759>  ON  

Dashboard Edit Test Publish Da

e Settings Design Archive

Survey activity

from:  

to:  

Permanent survey

```
<stdyDscr>
  <stdyInfo>
    <sumDscr>
      <collDate event="start" date="2018-11-29">2018-11-29</collDate>
      <collDate event="end" date="2019-03-01">2019-03-01</collDate>
    </sumDscr>
  </stdyInfo>
</stdyDscr>
```

# Survey participation info

## Survey participation info

```
<stdyDscr>  
  <method>  
    <dataCol  
      <collSitu>  
        Completed questionnaires: 9  
        Partially completed questionnaires: 3  
        Empty questionnaires: 8  
        First entry: 2018-11-29  
        Last entry: 2018-11-29  
        Average duration: 22s  
      </collSitu>  
    </dataCol>  
  </method>  
</stdyDscr>
```

### Survey status

Completed (6) :	9
Partially completed (5) :	3
<b>Total valid</b>	<b>12</b>
Completed, no answers (6l) :	2
Part. completed, no answers (5l) :	1
Entered first page (4) :	2
Entered intro (3) :	3
<b>Total invalid</b>	<b>8</b>
<b>Total surveyed</b>	<b>20</b>
<b>All units in database</b>	<b>20</b>

### Basic info

Survey name:	DDI test		
Survey type:	Survey		
Questions:	5	Variables:	17
Pages:	2		
Units:	20	Valid:	12
Language:	English		
Author:	Nejc Berzelak, 29.11.18, 11:45		
Modified by:	Nejc Berzelak, 30.11.18, 9:47		
Status:	Survey is active		
Activity:	29.11.2018-01.03.2019; 30.11.2018-02.03.2019		
Duration:	22s, Estimated: 2min 30s		
First entry:	29.11.18, 12:15	Last entry:	30.11.18, 9:49

# Survey participation info

## Response rates

- Calculation currently not included.
- Response rates can be only calculated for surveys with the existing list of survey invitation recipients and monitored survey outcomes.
- Automated calculation often problematic due to difficulties with automatically distinguishing between eligible and ineligible respondents.



# Question types

## Single-answer question

```
<dataDscr>...  
<var ID="Q1" name="Q1">  
  <qstn>  
    <qstnLit>How would you describe the quality of life in Britain  
      compared to 12 months ago?</qstnLit>  
  </qstn>  
  <catgry missing="N">  
    <catValu>1</catValu>  
    <labl>Much better</labl>  
  </catgry>  
  <catgry missing="N">  
    <catValu>2</catValu>  
    <labl>Somewhat better</labl>  
  </catgry>  
  ...  
  <catgry missing="Y">  
    <catValu>-99</catValu>  
    <labl>Don't know</labl>  
  </catgry>  
  <catgry missing="Y">  
    <catValu>-98</catValu>  
    <labl>Prefer not to answer</labl>  
  </catgry>  
<varFormat type="numeric"/>  
</var>  
</dataDscr>
```

How would you describe the quality of life in Britain compared to 12 months ago?

- Much better
- Somewhat better
- A little better
- About the same
- A little worse
- Somewhat worse
- Much worse
- Don't know
- Prefer not to answer

# Question types

## Table (grid) of items

How much do you agree or disagree with the following statements?

	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree	Don't know	Prefer not to answer
Science and technology are making our lives healthier, easier, and more comfortable.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because of science and technology, there will be more opportunities for the next generation.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
We depend too much on science and not enough on faith.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientists adjust their findings to get the answers they want.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In general, scientists want to make life better for the average person.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rules will not stop scientists doing what they want behind closed doors.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



# Question types

## Table (grid) of items

```
<dataDscr>
  <var ID="Q2a" name="Q2a">
    <labl>Science and technology are making our lives healthier, easier, and
      more comfortable.</labl>
    <qstn>
      <preQTxt>How much do you agree or disagree with the following
        statements?</preQTxt>
      <qstnLit>Science and technology are making our lives healthier, easier,
        and more comfortable.</qstnLit>
    </qstn>
    <catgry missing="N">
      <catValu>1</catValu>
      <labl>Strongly agree</labl>
    </catgry>
    ...
    <catgry missing="Y">
      <catValu>-99</catValu>
      <labl>Prefer not to answer</labl>
    </catgry>
    <varFormat type="numeric"/>
  </var>
  ...
</dataDscr>
```

# Question types

## Table (grid) of items

```
<dataDscr>
  <var ID="Q2b" name="Q2b">
    <labl>Because of science and technology, there will be more opportunities
      for the next generation.</labl>
    <qstn>
      <preQTxt>How much do you agree or disagree with the following
        statements?</preQTxt>
      <qstnLit>Because of science and technology, there will be more
        opportunities for the next generation.</qstnLit>
    </qstn>
    <catgry missing="N">
      <catValu>1</catValu>
      <labl>Strongly agree</labl>
    </catgry>
    ...
    <catgry missing="Y">
      <catValu>-99</catValu>
      <labl>Prefer not to answer</labl>
    </catgry>
    <varFormat type="numeric"/>
  </var>
  ...
</dataDscr>
```

# Question types

## Numeric input

In how many web surveys have you participated before joining this panel?

(min 0, max 100)

```
<dataDscr>  
  <var ID="Q3" name="Q3" measUnit="">  
    <qstn>  
      <qstnLit>In how many web surveys have you participated before joining this  
        panel?</qstnLit>  
    </qstn>  
    <valrng>  
      <range min="0" max="100"/>  
    </valrng>  
    <varFormat type="numeric"/>  
  </var>  
</dataDscr>
```

# Multiple answer question

## Multiple answer question (first item)

```
<dataDscr>
  <var ID="Q4a" name="Q4a">
    <qstn>
      <preQTxt>Where did you answer this survey?</preQTxt>
      <qstnLit>At home</qstnLit>
    </qstn>
    <catgry missing="N">
      <catValu>1</catValu>
      <labl>Izbran</labl>
    </catgry>
    <catgry missing="N">
      <catValu>0</catValu>
      <labl>Ni izbran</labl>
    </catgry>
    <varFormat type="numeric"/>
  </var>
  ...
</dataDscr>
```

Where did you answer this survey?

- At home
- At work
- At school/university/library
- At a café, pub, or restaurant
- While travelling by public transport
- While travelling by car or taxi
- While walking
- Somewhere else

# Multiple answer question

## Multiple answer question (second item etc.)

```
<dataDscr>
  <var ID="Q4b" name="Q4b">
    <qstn>
      <preQTxt>Where did you answer this survey?</preQTxt>
      <qstnLit>At work</qstnLit>
    </qstn>
    <catgry missing="N">
      <catValu>1</catValu>
      <labl>Izbran</labl>
    </catgry>
    <catgry missing="N">
      <catValu>0</catValu>
      <labl>Ni izbran</labl>
    </catgry>
    <varFormat type="numeric"/>
  </var>
  ...
</dataDscr>
```

Where did you answer this survey?

- At home
- At work
- At school/university/library
- At a café, pub, or restaurant
- While travelling by public transport
- While travelling by car or taxi
- While walking
- Somewhere else

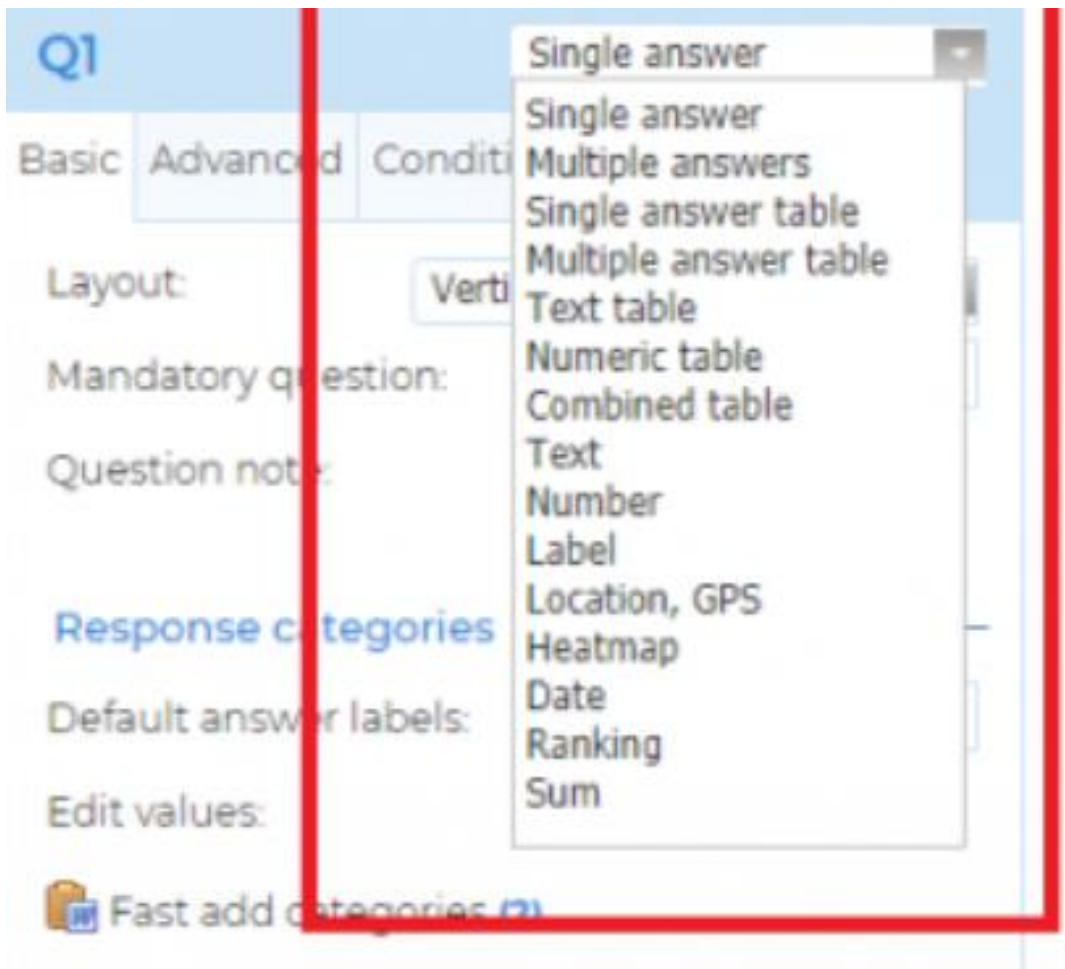
# Text input

## DDI format

To make things easier, we could send survey invitations directly to your e-mail account.

If you would like to receive email invitations with direct link to our surveys from now on, please enter your email below. We will only use your e-mail address to inform you about the surveys from this study.

```
<dataDscr>
  <var ID="Q3" name="Q3" measUnit="">
    <qstn>
      <qstnLit>To make things easier, we could send survey invitations directly
        to your e-mail account.<br /><br />If you would like to receive
        email invitations with direct link to our surveys from now on,
        please enter your email below. We will only use your e-mail
        address to inform you about the surveys from this study.</qstnLit>
    </qstn>
    <varFormat type="character"/>
  </var>
</dataDscr>
```



Structure of the  
Questionnaire:  
Conditions (IF), loops,  
blocks, calculations

# Some challenges

## Specification of less common and advanced question types

How would you rate the political situation in your country?

Bad	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Good
White	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Black
Passive	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Active
Exciting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Boring
Smart	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Stupid

semantic differential

table of items with numeric answers

How many times did you travel to each of the following countries primarily for vacation, business or other purposes?

	Leisure	Business purposes	Other purposes	Have not traveled to this country
Albania	<input type="text" value="2"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/>
Andorra	<input type="text" value="4"/>	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="radio"/>
Austria	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="radio"/>
Belarus	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="radio"/>
Belgium	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="radio"/>

Mark the locations you visited in the last week.

location

The image shows a Google Maps interface with a search bar at the top containing 'Enter a query'. The map displays a region in Slovenia, with Ljubljana highlighted. A red location marker is placed on the map, and a popup box is open over it. The popup box contains the text 'Sneberska cesta 128c, 1260 Ljubljana - Polje, Slovenia' and a text input field labeled 'Number of visits' with the value '4' entered. The map includes various UI elements like 'Map' and 'Satellite' buttons, a search bar, and map controls like zoom in/out and full screen. The Google logo is visible in the bottom left corner, and 'Map data ©2018 Google' is in the bottom right.



# Contact

University of Ljubljana  
Faculty of Social Sciences  
**Social Science Data Archive**  
Kardeljeva ploščad 5  
1000 Ljubljana  
Slovenia

 [www.adp.fdv.uni-lj.si](http://www.adp.fdv.uni-lj.si)

 [arhiv.podatkov@fdv.uni-lj.si](mailto:arhiv.podatkov@fdv.uni-lj.si)

 [Arhiv.Druzboslovnih.Podatkov](https://www.facebook.com/Arhiv.Druzboslovnih.Podatkov)

 [@ArhivPodatkov](https://twitter.com/ArhivPodatkov)