

CESSDA Training for data discovery



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... and the CESSDA Training Group

cessda

Overview

- Background: CESSDA and Data Discovery
- Training needs assessment
- Landscape mapping exercise
- Training activities

CESSDA

Consortium of European Social
Science Data Archives

*“to provide a full scale sustainable
research infrastructure that enables the
research community to conduct high-
quality research which in turn leads to
effective solutions to the major
challenges facing society today”*





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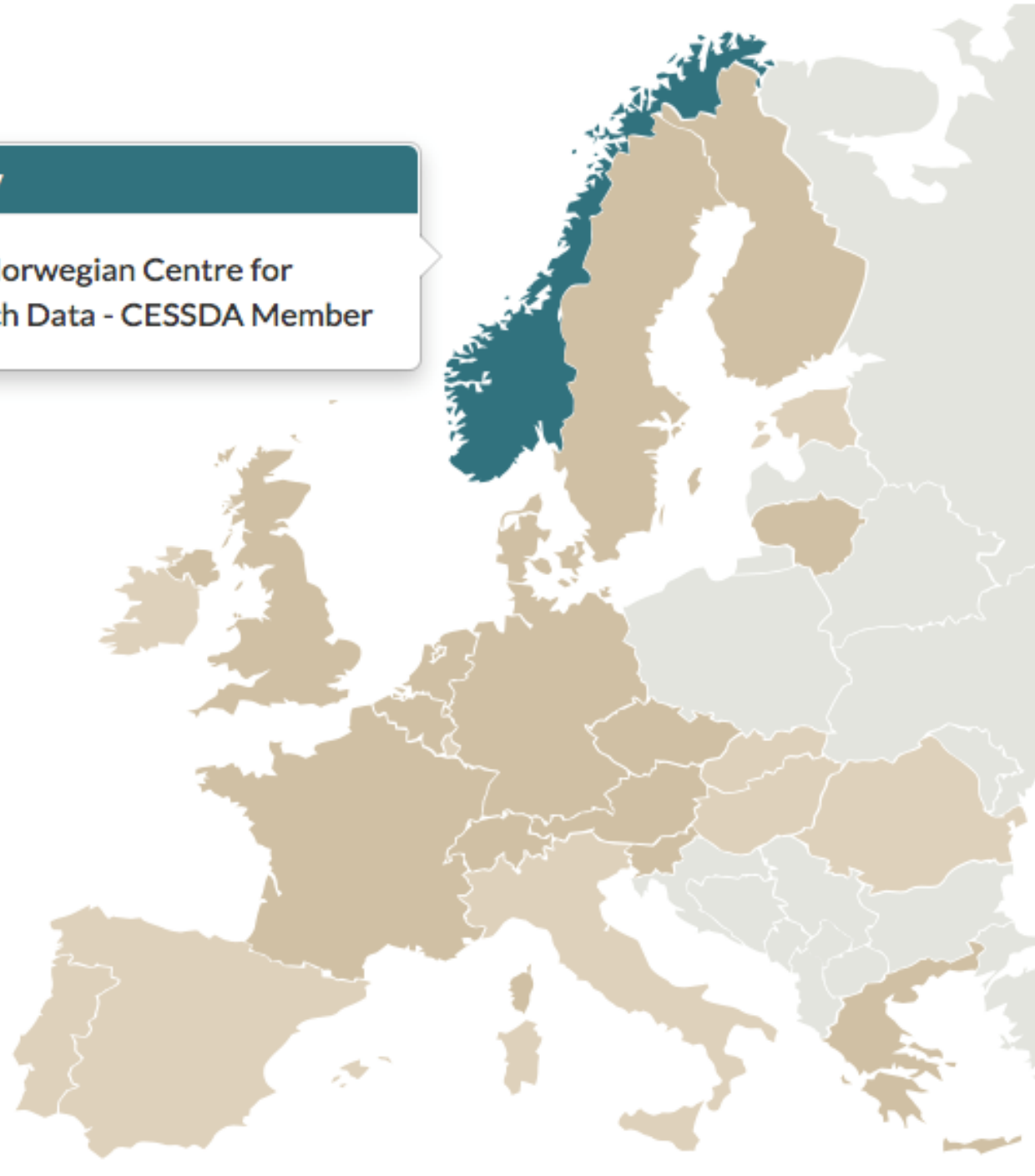
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National Data Services

Norway

NSD - Norwegian Centre for
Research Data - CESSDA Member



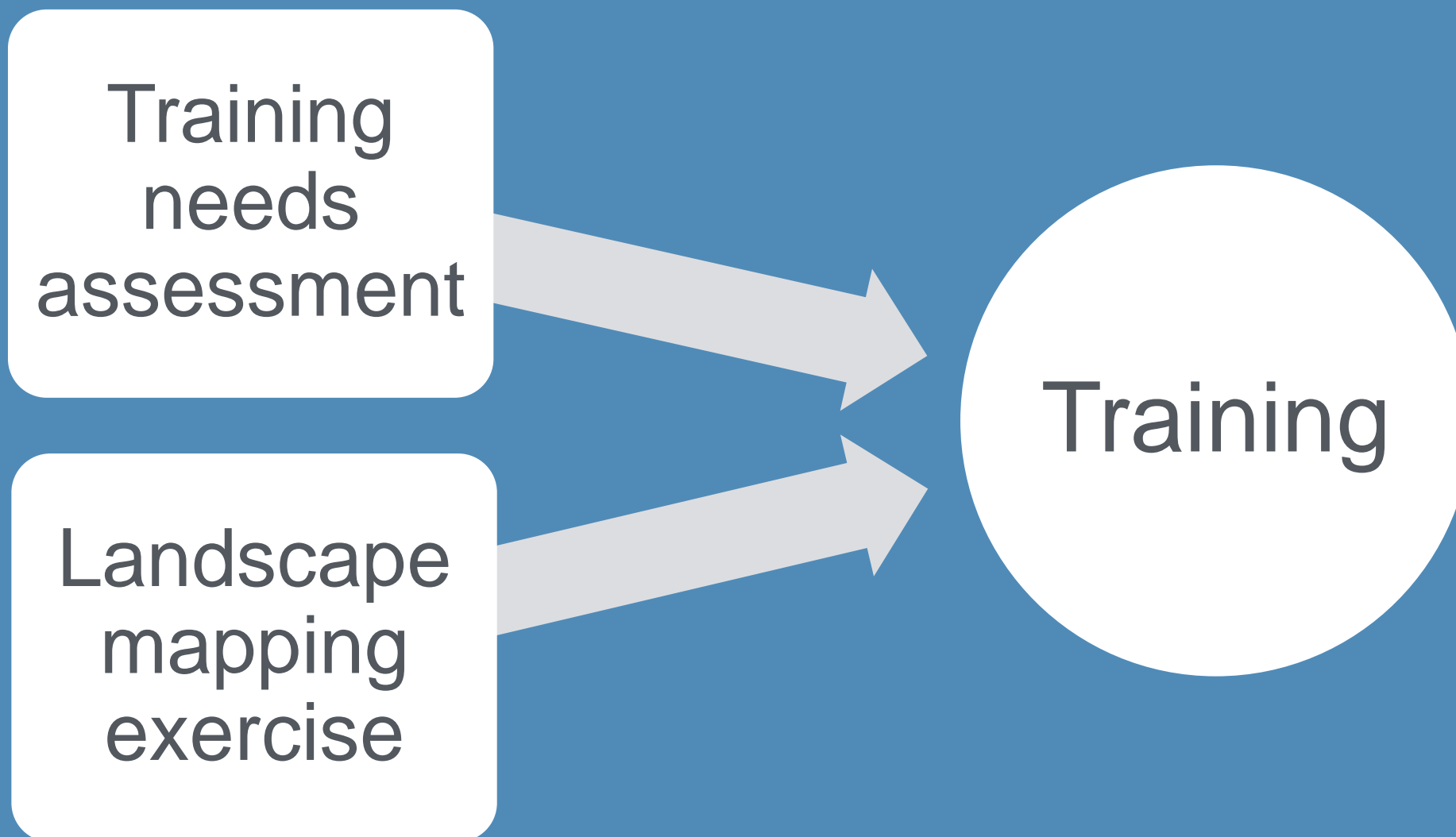
Data discovery: a new area of expertise



help users locate and navigate data collections

- a) relevant to their own research and teaching
- a) in different locations and subject to different access conditions

Data discovery: 1st Phase (2016-2017)



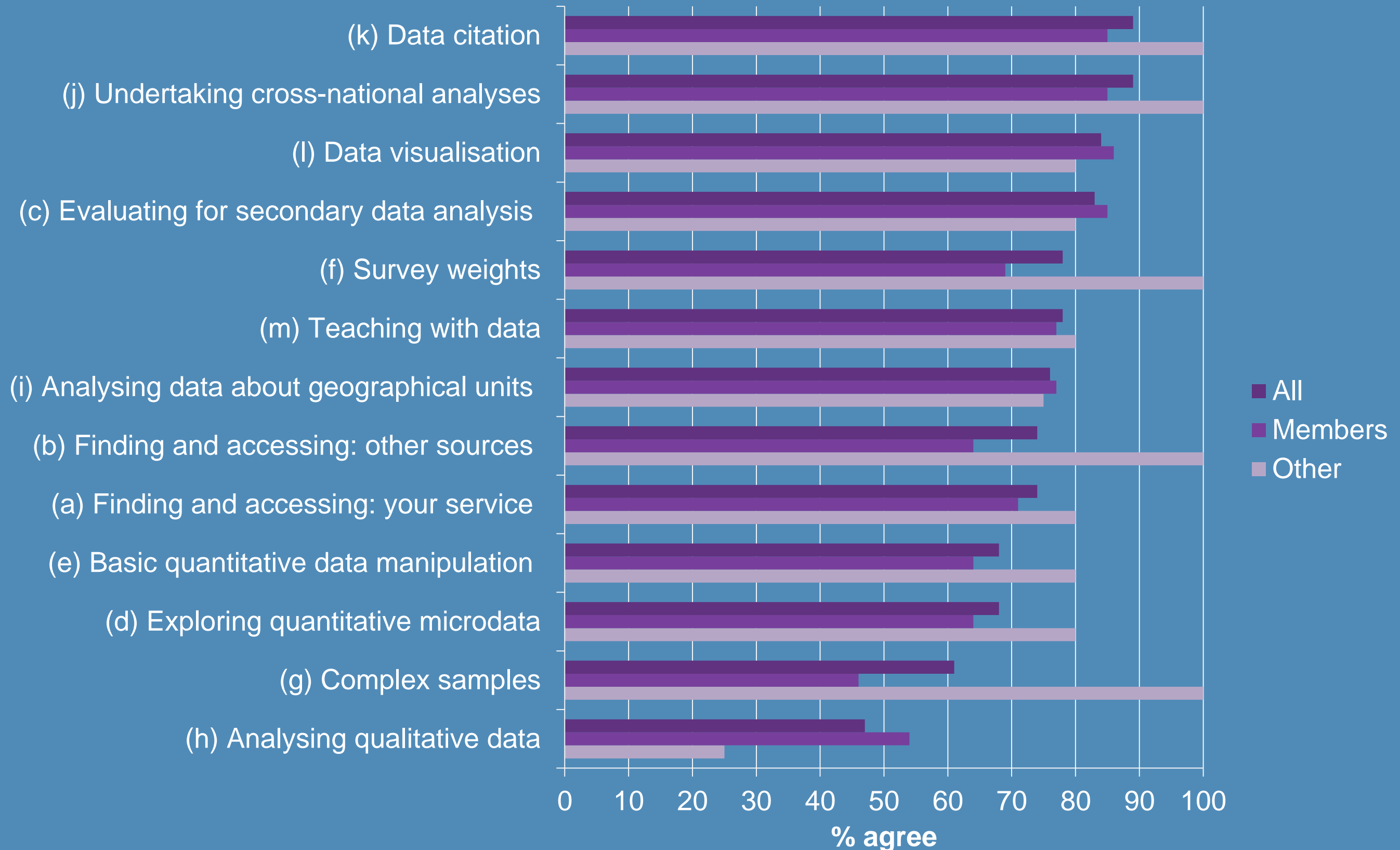
Training needs assessment

Aim: assess different training needs and training capacity

Consult with national data services (time)

1. Survey of national data services
 - 22 individuals invite to online survey
 - response...
 - ...19/22 (CESSDA members =14/15 and others=5/7)
2. Consult with representatives (from CESSDA Training Group)
3. Review of websites

Results: training important to users



Results: some national data services provide training in data discovery topics

	Training events	Self-learning materials	Training events or self-learning
(a) Finding and accessing: your service	11	10	12
(b) Finding and accessing: other data sources	2	7	9
(k) Data citation	5	4	7
(d) Exploring quantitative microdata	4	5	6
(e) Basic quantitative data manipulation	3	5	5
(c) Evaluating for secondary data analysis	3	4	4
(m) Teaching with data	2	3	4
(f) Survey weights	1	3	3
(h) Analysing qualitative data	2	2	3
(j) Undertaking cross-national analyses	3	1	3
(l) Data visualisation	1	1	2
(g) Complex samples	0	1	1
(i) Analysing data about geographical units	1	1	1

n=18

**ČSDA****Czech Social Science Data Archive**
Institute of Sociology

Search



Čeština



English

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Finding Data at the ČSDA

ČSDA's data are stored in the data catalogue based on the Nesstar system. Instruction how to use the catalogue can be found directly at the catalogue's website. Bellow see instructions to help you obtain data from the ČSDA.

>>> [ACCESS TO THE ČSDA CATALOGUE NESSTAR](#) <<<

>>> [NESSTAR HELP AND SUPPORT](#) <<<

Modes for using the ČSDA data:

- **Free access without registration:** In the data catalogue, you can view the metadata (descriptive information) of each dataset deposited and you can display frequencies of

BEST OF YOUTUBE

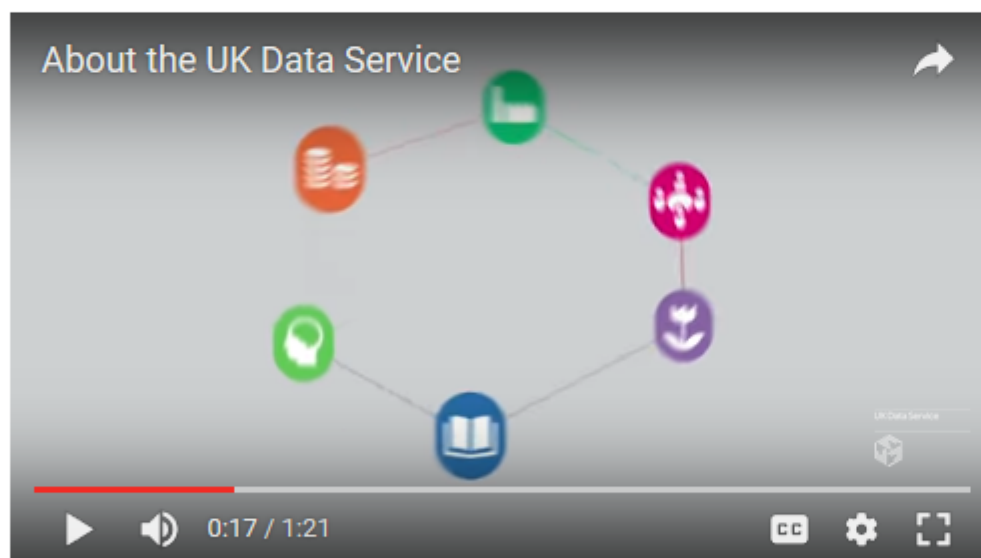
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
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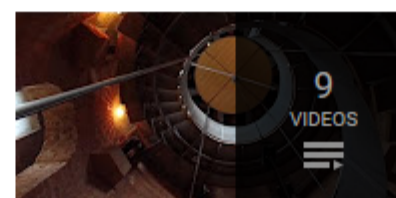
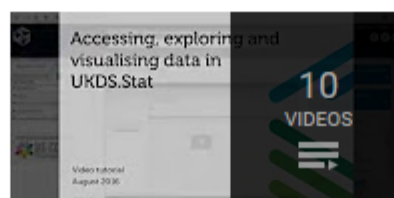
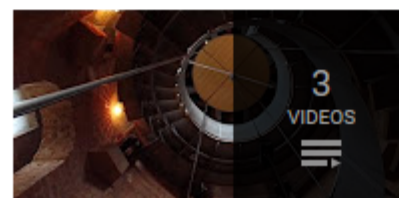

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Poverty

[Recently published datasets](#) | [Other datasets](#) | [Data series](#) | [Datasets elsewhere](#)

FSD holdings contain a number of data series and individual datasets suitable for research on poverty. There are also many datasets that contain individual questions and variables which are potentially useful to researchers of poverty. The data archived at the FSD can be downloaded free of charge from [Aila Data Service](#), according to the conditions set for each dataset. Please note that below is listed only a sample of all data available at the Archive and we encourage you to search more datasets on the subject on Aila.

Questions and variables of quantitative datasets that have been fielded in English or translated at the FSD can be explored by browsing their codebooks or through Aila variable search. If a quantitative dataset has not yet been translated, you can request a translation free of charge. Qualitative data are only available in their original language. Where applicable, the codebook and other related material are freely accessible on the study description page of each dataset.

Recently published datasets

Data	Type	Availability	Data in English	Published
FSD3157 EVA Survey on Finnish Values and Attitudes 2017	quanti	B ⓘ	available on request	2017-04-05
FSD3133 Development Cooperation Survey 2016	quanti	B ⓘ	available on request	2017-04-03



[Home](#) > [Using survey data](#) > [Data analysis](#)

Data analysis

Explore key variables,
examine
relationships
between variables,
data manipulation.



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☐ Data ☐ Website

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Introduction	Types of variable	Variable distributions	Survey weights	Missing data
More than one variable	Creating new variables	Worksheet		

SHARE

When planning and doing data analysis, there are several steps to consider. In this section, you will find information to help you:

- understand and explore key variables
- examine relationships between variables
- manipulate data to aid and improve analysis

There is a supporting [Data Analysis Workbook](#) with examples relating to the fear of crime and using the Crime Survey for England and Wales, 2013-2014.



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Multinational Surveys

Several European countries participate in the following international continuous survey research programmes. Integrated and national data files are available either from the programme websites or through CESSDA archives.

Please follow the links below for further information about European and international surveys and how to access data.

Europe

European Commission Eurobarometer

Since 1973, the European Commission has been monitoring the evolution of public opinion in the Member States, thus helping the preparation of texts, decision-making and the evaluation of its work. Their surveys and studies address major topics concerning European citizenship: enlargement, social situation, health, culture, information technology, environment, the Euro, defence, etc.

[Eurobarometer interactive search system](#)

Context of training needs

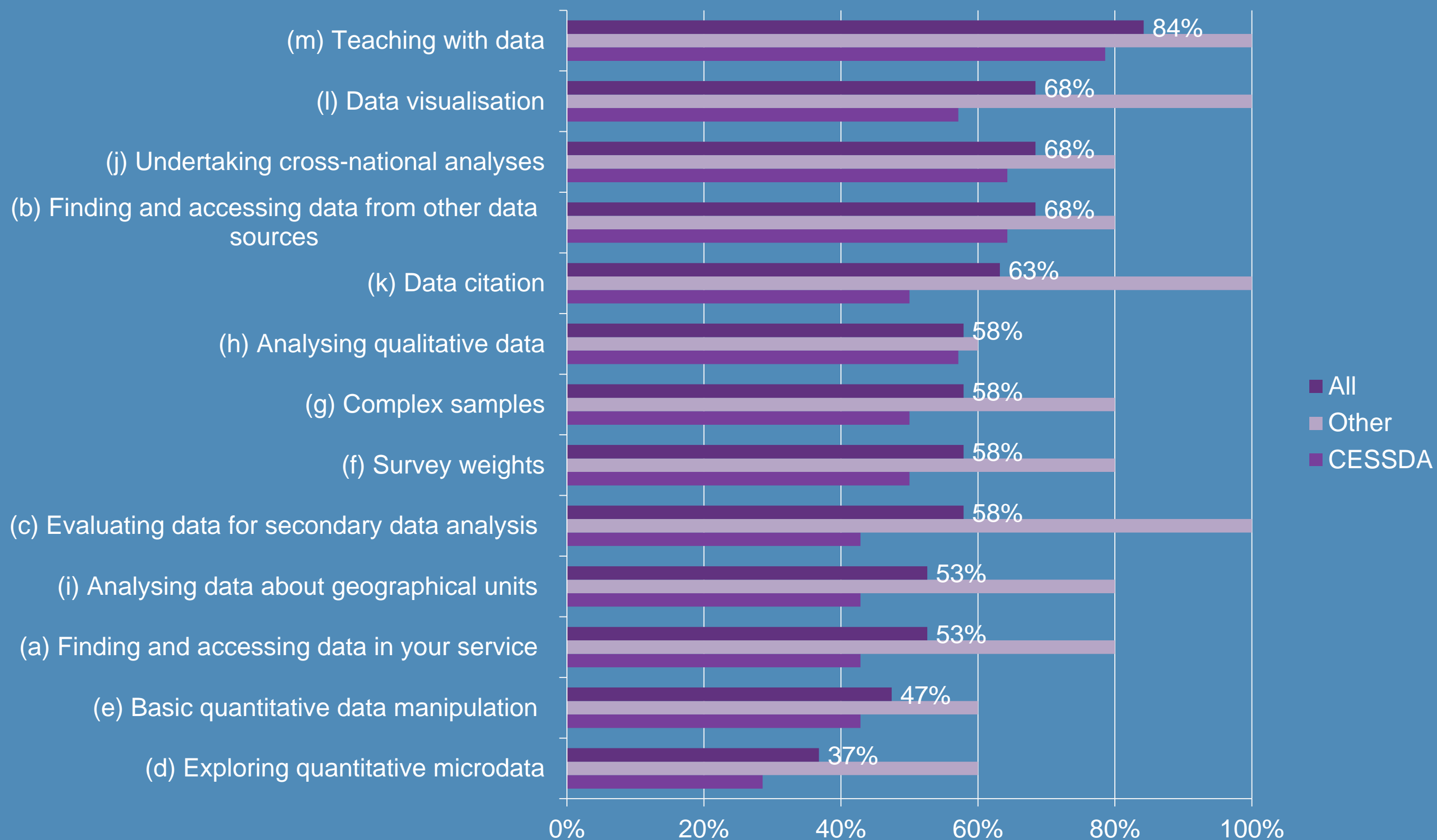
- Some services provide training
- Training from other providers e.g. universities
- Remit of data services?
- Coverage of topics in secondary data analysis

most of [this] training is given by universities and we do not know if there is a need for more training

Almost [everything] is missing. There are of course various university courses that cover some of these topics, but nothing apart of that.

according to our experience, [...] training in data evaluation for secondary analysis is [an] important area still not met by courses and materials offered

Results: Unmet training needs



Results: Unmet training needs

- *Factors supporting competence in re-use of data*
 - *Finding data, evaluating data for secondary data analysis and data citation (“A, c and K are important to increase the competence level for enabling re-use of data”).*
- *We recognized a lack of knowledge related to data analysis and use of appropriate tools. Therefore data is used less than it could be.*
- *Providing more training of data discovery would enable researcher to find data they might use in their research projects without collecting data on their own.*

Priority topics: topics important and where training is needed

	All (%)	Cessda (%)	Other (%)
Data citation	63	50	100
Finding and accessing data: other data sources	58	50	80
Undertaking cross-national analyses	58	50	80
Data visualisation	58	50	80
Teaching with data	58	50	80
Evaluating for secondary data analysis	47	36	80
Survey weights	47	36	80
Finding and accessing data: your service	37	29	60
Basic quantitative data manipulation	32	29	40
Complex samples	32	14	80
Analysing qualitative data	32	36	20
Analysing data about geographical units	32	29	40
Exploring quantitative microdata	26	21	40

Priority topics: insight from consultation

Identified as
important
and needed
by most

- **Finding and accessing: other sources**
- **Data Citation**
- Undertaking cross-national analyses
- Data visualisation
- Teaching with data

Priority

- In progress

**Beyond remit
Signpost**

by non-
CESSDA
services

- Evaluating for secondary data analysis
- Survey weights
- Complex samples

some elements

(e.g. missing data, complex datasets, metadata and documentation)

**Share and repurpose
Signpost**

Other topics

- Finding and evaluating data: using service
- Analysing qualitative data
- Analysing data about geographical units
- Exploring quantitative microdata
- Basic quantitative data manipulation

Signpost

some elements

(e.g. missing data, complex datasets, metadata and documentation)

Issues to consider when planning training

- Format – ‘local training’ through webinars and local workshops
- Adaptable materials – local training, local examples
- Sharing ideas and materials
- Statistics software (SPSS dominant)

Landscape mapping exercise

Aim: understand the researcher experience
What's available? How to access?



1. review available data and access procedures for two topics:
 - ageing and political behavior
2. collate information about access conditions from national data services

Landscape mapping: some findings

1. Lots of data!
2. Separate catalogues/services (currently)
3. Searching is demanding (though tools to sort and refine)

Example search results (number of data collections)

	<u>UK Data Service</u>	<u>GESIS</u>
Political behaviour	1098	3049
Political behavior	74	2979
voting	881	572
Online petition	26	633
Online AND petition	26	5843
Ageing	4887	12
Aging	4886	140

Landscape mapping: some findings

1. Lots of data!
2. Separate catalogues/services (currently)
3. Searching is demanding (though tools to sort and refine)
4. Language
5. NESSTAR – online analysis browsing (main catalogue or separate tool)

Data access



CESSDA general principle

available to anyone regardless of status, nation or type of use (except redistribution) unless there are known requirements which prevent it

But what about in practice?

- collated information from websites
- contacted services

Focus on the process for researchers outside of the country

Data access: common arrangements

Most often data collections can be downloaded by researchers (from any country) after simple registration

But also

- some open data
- apply for user name and password
- register use of data
- “Non-commercial use only” or “for research and teaching only”
- order data
- permission from data owner
- different arrangements for sensitive data

Training

Webinars

- How to find data in Europe (Wed 17 May)
- Data in Europe: Political Behaviour (Wed 7 Jun)
- Data in Europe: Ageing (Wed 14 Jun)

User guides

- Finding and accessing data from national data services
- Data discovery: Political behaviour
- Data discovery: Ageing

Finding and accessing data (video tutorial)

Available on CESSDA website – June/July

Training: a plan for the future

1. Workshop materials
 - finding and accessing data
 - missing data, complex datasets, metadata and documentation
 - CESSDA catalogue and question bank (due 2018)
 - available for use via CESSDA website
2. Share and signpost
3. Webinars

Conclusion

Issues

- role and remit
- diversity of needs
- reaching users

A way forward?

- signposting
- adaptable training materials
 - for local training
 - local examples
- webinars