

The logo for NEPS (National Educational Panel Study) features the acronym 'NEPS' in a bold, blue, sans-serif font. To the left of the text is a vertical orange bar with a white bracket-like shape on its right side, which frames the text.

National Educational Panel Study

Research Data

Tobias Koberg

## Anonymization Procedures

NEPS Starting Cohort 5— First-Year Students  
*From Higher Education to the Labor Market*

Scientific Use File Version 15.0.0

The logo for LifBi (Leibniz Institute for Educational Trajectories) consists of the letters 'LifBi' in a bold, black, sans-serif font. A vertical blue bar is positioned to the left of the 'i', and a vertical pink bar is positioned to the left of the 'B'.

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# 1 Preamble

This documentation gives an exhaustive explanation of all disclosure risk minimization techniques applied before dissemination to the Scientific Use File (SUF) of Starting Cohort (SC) 5, version 15.0.0 (doi:10.5157/NEPS:SC5:15.0.0). For a quick reference to all variables and datafiles which are affected in detail and on which level you will find the full information, please skip forward to appendix section A.1. If you have inquiries or need further information not covered in this document please feel free to contact the research data center at [fdz@lifbi.de](mailto:fdz@lifbi.de). Please note the following general remarks:

- in all tables, the anonymization suffix (`_O`, `_R`, `_D`) was removed from the variable name to enhance readability and remove duplicates. To find a specific variable in the data file, add the corresponding suffix or use a wildcard.
- to ensure a data-consistent documentation, all tables in this document have been produced on basis of the SUF data. Variable labels in the data have been cut off at 80 characters, which inherits to this documentation.
- as additional documentation, a *Semantic Data Structure File* is available. This is the complete SUF where all cases have been removed. Feel free to use this as a first overview to the data in cases you do not have access to the real data (e.g. you are interested in data files which are available OnSite only). You are well advised to use this preparing your syntax *before* initiating your travel to our OnSite facility. You find it freely available on the documentation page to this SUF:

[www.neps-data.de](http://www.neps-data.de) > Data Center > Data and Documentation > Starting Cohort First-Year Students > Documentation

## 1.1 Specifications

To ensure the best possible confidentiality protection of individuals and individual micro data, the National Educational Panel Study complies with strict international standards. To achieve this, a *portfolio approach*, based on the ideas of Lane et al., 2008, has been established. This approach interlocks data security mechanism on five different levels, while the actual data modification (i.e. anonymization) is one of them. For further information, see the article by Koberg, 2016. Operationalizing this modification procedure, it can be abstracted to the following two criteria:

- the disseminated data was transferred to so called *de facto anonymous data*. Identifiable information is coarsened or cut off and kept securely to minimize the risk of statistical disclosure.

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- the use of data is strictly confidential and for statistical purposes only. The closed contract only grants access to members of the scientific community. This contract has a vast amount of legal stipulations, one of them being a large fine which applies for the realization of re-identification on purpose. Therefore, the disseminated data is highly protected by law and allows a more flexible range of available data.

To pick up the latter, the NEPS has made a huge effort regarding legal regulations to offer as much analysis power of data as possible. This *paradigm of information esteem* reveals the fact that conducted measures of statistical disclosure control are few. Also, if there really was a need for modification, only non-perturbative methods were used.

### 1.2 Onion-shaped model

The NEPS grants the user three different modes of data access: (1) *OnSite*, which stands for the opportunity to use the secured infrastructure made available at the LfBi in Bamberg, (2) *RemoteNEPS*, which is a progressive remote access technology providing a virtual desktop, and finally (3) *Download*, indicating the possibility to fetch data via a secure web portal.

These given access modes have been originated to allow anonymization routines for a subtle differentiation of information. The three resulting levels of anonymization define as follows:

- data provided OnSite is generally not further anonymized. However, even those data was rendered *de facto anonymous*, for no disclosure risk to persist. All information contained remains completely sane. Although users have to deal with limited possibilities of data access (i.e. supervised import and export of their results), they are free to work with all data available in a secure environment.
- access via RemoteNEPS is considered equivalent to OnSite, hence most of the data stays complete.
- as Download is assumed to be the most hazardous access mode<sup>1</sup>, some more anonymization techniques are done to the dataset.

Obviously this approach results in three different versions of all involved datasets. To enable a consistent structure, these data files always contain the entire set of variables; it is their content which differs through the three levels.

As normally there is no need to resign aggregated variables in the higher levels (i.e. OnSite or RemoteNEPS), those are already defined as a surplus to the original variable in the OnSite-version. Stepping down to RemoteNEPS, the content of related variables too sensitive for this level is overwritten with an exclusive missing code – an operation which we define as *purging*. Note that system missing values are not affected, allowing the user to differ between value existence and nonexistence. This still is a valuable additional information. The same logic applies to the transition from RemoteNEPS to Download.

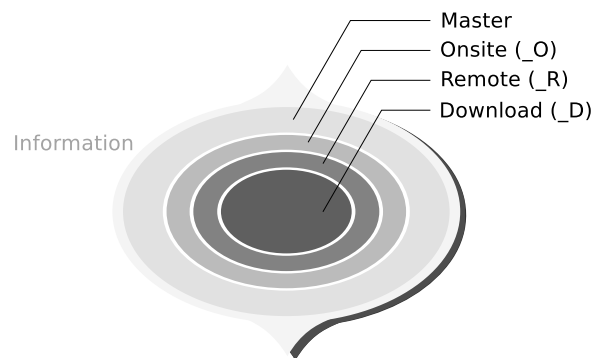
<sup>1</sup> 'hazardous' in terms of: the downloaded content is no longer under physical control of the LfBi

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While there is no explicit documentation to this fact, it should remain clear that this procedure accumulates, i.e. purged content under RemoteNEPS is therefore neither included in RemoteNEPS nor in Download.

This *onion-shaped model* provides both ease of (1) use of different sensitivity models (e.g. preparing an analysis using the Download dataset and conducting it afterwards using the OnSite-data) and (2) documentation, for the subject of documentation is the most sensitive level (OnSite), with RemoteNEPS and Download levels being a subset of these data.

The fourth layer *master* depicted below contains every material which is needed during data processing by the NEPS, but is not meant for the scientific community to be usable.



**Figure 1:** Onion-shaped model defining the different anonymization levels

Technically, this model realizes in a single letter suffixed to dataset and variable names. All datasets available OnSite only are marked with an additional **\_O**, those available via RemoteNEPS with **\_R** and Download files with **\_D**. The same procedure applies when it comes to variable differentiation. A variable which is available unaltered OnSite only is suffixed with **\_O**. In RemoteNEPS-access or Download, this variable is still present but purged. If there is an alternate version (e.g. with coarsened content) for RemoteNEPS (suffix **\_R**) or Download (suffix **\_D**), those can be used. As said before, these are already integrated in the OnSite version. See section 3 for some examples (especially for a practical explanation what is meant by *purging* here).

## 2 Conducted measures

Keeping the usability and the paradigm of information esteem in mind, only very few alterations are actually done to the dataset. Please note that all information is still available somewhere and that only RemoteNEPS and (mainly) the Download version are constraint in this matter. In fact, in this SUF, only 444 out of 4850 variables are modified in some way.

The following table gives an explanatory overview of all measures conducted. The remainder of this section gives a more detailed description of those topics.

**Table 1:** Availability of sensitive data

Topic	OnSite	RemoteNEPS	Download
String variables	anonymized	n/a	n/a
International <sup>1</sup>	full data	full data	collapsed
Regional (National)	restricted	restricted	restricted
Institutional context	full data	anonymized	n/a
Macro indicators	accessible	n/a	n/a
Others	full data	full data	aggregated

<sup>1</sup> international geographical information (e.g., nation states, national languages)

### 2.1 String variables

All variables containing actual text and whose type is therefore string are purged in the RemoteNEPS version. The information remains accessible OnSite. However, you should be aware that in the majority of cases, text entries have been recoded into derived variables (usually suffixed with `_g1`, `_g2`, etc.), which contain the information collected. Those variables are available in all three levels, only the actual text entry is available OnSite only. The text entries have been reviewed by staff to ensure that absolutely no reidentificational material is included. To indicate the availability of those variables OnSite only, the variable names have been suffixed with an additional `_0`.

**Table 2:** All string variables; those are only available onsite

file	variable	label
pTargetCATI	t272800	Trade fair/congress: content
pTargetCATI	t272801	Specialist lecture: content

(...)

## 2 Conducted measures

**Table 2:** (continued)

file	variable	label
pTargetCATI	t272804	Self-study program: content
pTargetCATI	t516202	Party election (another party)
pTargetCATI	t531259	other source of finance, open
pTargetCATI	t731302	other school-leaving qualification Mother
pTargetCATI	t731304	other vocational qualification Mother (open)
pTargetCATI	t731307	other higher education qualification Mother (open)
pTargetCATI	t731352	other school-leaving qualification Father
pTargetCATI	t731354	other vocational qualification Father (open)
pTargetCATI	t731357	other higher education qualification Father (open)
pTargetCATI	tg2450j	Other doctorate situation (open)
pTargetCATI	tg2451l	Other reason termination of doctorate (open)
pTargetCATI	tg2470h	Other source of finance (open)
pTargetCATI	tg2631p	Job found: other (open)
pTargetCATI	tg2638c	Help for starting job: other open
pTargetCATI	tg60213	T - Prof. situation: other type of school, open (CATI)
pTargetCATI	tg6024s	T - Prof. situation: subjects, other subject or subject group, open
pTargetCATI	tg64029	Intended teaching degree: other (open)
pTargetCATI	tg64032	Preparatory service: Another type of school (open)
pTargetCAWI	t24100s	other types of counseling offered by higher education institution, open
pTargetCAWI	t24210t	Higher education institution activities: other open
pTargetCAWI	t26280t	Volunteering: sports and exercise, open
pTargetCAWI	t26281t	Volunteering: culture and music, open
pTargetCAWI	t26282t	Volunteering: leisure and social groups, open
pTargetCAWI	t26283t	Volunteering: social service other, open
pTargetCAWI	t26284t	Volunteering: health other, open
pTargetCAWI	t26285t	Volunteering: school/kindergarten other, open
pTargetCAWI	t26286t	Volunteering: leisure and social groups, other, open
pTargetCAWI	t26287t	Volunteering: environment, nature and animal protection other, open
pTargetCAWI	t26288t	Volunteering: politics other, open
pTargetCAWI	t26289t	Volunteering: professional interest representation outside company other, open
pTargetCAWI	t26290t	Volunteering: church, religion other, open
pTargetCAWI	t26291t	Volunteering: justice and crime problems other, open
pTargetCAWI	t26292t	Volunteering: accident and emergency services other, open
pTargetCAWI	t26293t	Volunteering: civic activities other, open
pTargetCAWI	t29151s	other sources of information, open
pTargetCAWI	t29172n	Admission Master's degree program: other open
pTargetCAWI	t29173b	Desired course of study Master open
pTargetCAWI	t29173f	other country of the desired higher education institution
pTargetCAWI	t29173i	Desired higher education institution Master open
pTargetCAWI	t29175i	other information and qualification possibilities, open
pTargetCAWI	t29180h	Reasons no job search after Bachelor(degree) open

(...)

## 2 Conducted measures

**Table 2:** (continued)

file	variable	label
pTargetCAWI	t29182i	Reasons no job search after completion of study open
pTargetCAWI	t29184n	Other problems, open
pTargetCAWI	t29186m	other sources of information, open
pTargetCAWI	t406711	Mother's other leaving qualification SU
pTargetCAWI	t406731	Mother's other leaving qualification Turkey
pTargetCAWI	t406811	Father's other leaving qualification SU
pTargetCAWI	t406831	Father's other leaving qualification Turkey
pTargetCAWI	t531009	Other tuition fee collection interval, open
pTargetCAWI	t531029	other source of funding
pTargetCAWI	t66505a	Goal orientation: work/vocational training
pTargetCAWI	t66506a	Goal orientation: private/family
pTargetCAWI	tg5110s	Curr. activity: other, open
pTargetCAWI	tg5120s	Study organization semester/trimester, open
pTargetCAWI	tg5141s	Other intended degree after change, open
pTargetCAWI	tg51420	Type of intended teaching degree (open; CAWI)
pTargetCAWI	tg59101	Online device use: device type (request TP), open
pTargetCAWI	tg59106	Online device use: operating system (request TP), open
pTargetCAWI	tg59108	Online device use: browser (request TP), open
pTargetCAWI	tg59110	Online device use: window resolution (JavaScript)
pTargetCAWI	tg59111	Online device use: window resolution (JavaScript) during interruption of survey
pTargetCAWI	tg59201	Survey setting, open
pTargetCAWI	tg6021s	T - Prof. situation: other type of school, open (CAWI)
pTargetCAWI	tg6022s	T - Prof. situation: subjects, other subject or subject group, open
pTargetCAWI	tg76001	Professional title
pTargetCORONA	th80002	Content media - digital
pTargetCORONA	tm00040	Childcare situation NEPS child - open
pTargetCORONA	tm00048	Childcare situation - open
pTargetCORONA	tm00056	Learning materials: open
pTargetCORONA	tm00071	Changed learning opportunities during school closure - other, open
pTargetCORONA	tm00085	Learning materials - open
pTargetCORONA	tm00097	Changed learning opportunities during school closure - other, open
pTargetCORONA	tm00109	Offered courses - other, open
pTargetCORONA	tm00115	Learning materials, open
pTargetCORONA	tm00140	Chances Future
spChild	ts33211	Other employment status Child (open information)
spChild	ts33213	Other type of school Child
spChild	ts33215	Other school-leaving qualification Child
spChild	ts33217	Other training Child
spChild	ts33219	Other study institution Child
spChild	ts33221	Other vocational qualification Child (open)
spChild	ts33222	Other educational institution Child (open)

(...)



## 2 Conducted measures

**Table 2:** (continued)

file	variable	label
spChild	ts33224	Other higher education qualification Child (open)
spChild	ts33226	Other institution awarding higher education degrees Child (open)
spCourses	t272011_w1	Course content
spCourses	t272011_w2	Course content
spCourses	t272011_w3	Course content
spEmp	tg2608c	other type of student employment
spEmp	tg2628h	other reason for internship (open)
spFurtherEdu1	t272000	Content other course
spFurtherEdu2	t272044	Type of certificate
spGap	ts29102	other activity
spPartner	ts31213	Other school-leaving qualification Partner
spPartner	ts31215	Other vocational qualification Partner (open)
spPartner	ts31218	Other higher education qualification Partner (open)
spSchool	t724806	1st Abitur subject, open
spSchool	t724807	2nd Abitur subject, open
spSchool	t724808	3rd Abitur subject, open
spSchool	t724809	4th Abitur subject, open
spSchool	t724810	5th Abitur subject, open
spSchool	t724902	Professional focus, open
spSchool	ts11206	Other type of school
spSchool	ts11212	Other school-leaving qualification
spSchool	ts11217	Other intended school-leaving qualification
spVocExtExam	ts15305	other external examination qualification
spVocTrain	tg24202	Type of intended teaching degree (open; CATI)
spVocTrain	ts15202	Other training
spVocTrain	ts15220	other vocational qualification
spVocTrain	ts15222	Other vocational qualification
xEcoCAPI	tg24169	Degree program, open
xEcoCAPI	tg9039m	Specialization open

### 2.2 International: countries, languages, and nationalities

All information corresponding to international localization, nationality or languages is completely available only OnSite or via RemoteNEPS. Variables comprised in the Download SUF are aggregated into larger categories – mainly allocating continents and, in detail, states in Europe. For a complete recoding map of all countries/languages/nationalities, see appendix section A.2. This recoding rule was initially based on the methods used for the IAB ALWA study (Antoni et al., 2011) and the recommendations given by Müller et al., 1991. It has been updated and adjusted to better serve the data user's needs. Please note that this aggregated version is generated not during the anonymization process, but as an additional derived variable. Therefore, you do not

## 2 Conducted measures

find a variable suffixed `_D`, but two derived variables (suffixed `_g1` and `_g2`), where only the first has an anonymization suffix (i.e. `_g1R`), indicating that the full information is available in RemoteNEPS only.

**Table 3:** All variables which are affected by country/language/nationality aggregation

file	variable	label
pTargetCATI	t405010_g1	Country of place of birth
pTargetCATI	t405070_g1	Country of birth, mother
pTargetCATI	t405081_g1	Country of residence, mother
pTargetCATI	t405100_g1	Country of birth Father
pTargetCATI	t405111_g1	Country of residence, father
pTargetCATI	t405220_g1	Country of birth, mother's mother
pTargetCATI	t405230_g1	Country of birth, mother's father
pTargetCATI	t405240_g1	Country of birth, father's mother
pTargetCATI	t405250_g1	Country of birth, father's father
pTargetCATI	t431010_g1	Country of destination
pTargetCATI	t751004_g1	Country of residence (abroad)
pTargetCAWI	t29173e	Country of desired higher education institution (destatis)
pTargetCAWI	t42800x_g1	Selection country of origin (destatis)
pTargetCAWI	t42802x_g1	Preload: Country of origin (destatis)
pTargetCAWI	tg51510	Country of the new higher education institution
spEmp	ts23239_g1	Country of workplace
spPartner	t407021_g1	partner: Place of residence
spPartner	ts31205_g1	Country of birth Partner
spPartner	ts31208_g1	Country of birth Father Partner
spPartner	ts31210_g1	Country of birth Mother Partner
spSchool	ts1120s_g1	Country of school
spSchoolExtExam	ts11301_g1	Country of awarded school-leaving qualification
spVocExtExam	ts15303_g1	Country of external examination
spVocTrain	tg24196_g1	1st country of stay abroad
spVocTrain	tg24198_g1	2nd country of stay abroad
spVocTrain	tg2420e_g1	Preferred country for Master's degree
spVocTrain	ts1521s_g1	Country of vocational training
pTargetCATI	t414000_g1	First mother tongue (ISO 639.2)
pTargetCATI	t414002_g1	Second mother tongue (ISO 639.2)
pTargetCATI	t414060_g1	Auxiliary variable: language of origin target (ISO 639.2)
pTargetCATI	t414100_g1	Mother: First language/native language (ISO 639.2)
pTargetCATI	t414120_g1	Father: First language/native language (ISO 639.2)
pTargetCATI	t418001_g1	Language Reading - profession (ISO 639.2)
pTargetCATI	t418011_g1	Language Reading - free time (ISO 639.2)
pTargetCATI	t418021_g1	Foreign language Reading Studies (ISO 639.2)
pTargetCATI	t406100_g1	other nationality

## 2 Conducted measures

### 2.3 Regional localization

For all variables which register a regional position – such as places of birth, work, school, or residence – the following variables have been generated (if possible):

- an indicator for West Germany and East Germany (including Berlin)
- the federal state for this location,
- the administrative region, and
- the administrative district,

the latter two only available in RemoteNEPS.

As NEPS data which has been surveyed in institutional context enjoys special focus in this matter, federal states are also only available in RemoteNEPS. When using data collected in connection with schools or higher education institutions, it is not allowed to use Federal-State-related information directly or indirectly contained in the data for analyses aiming at a direct Federal State comparison, direct conclusions to be drawn about a Federal State, or a reconstruction of the concrete Federal State affiliation of persons, households, and institutions. Please see the Data Use Agreement for further information about this topic.

Regional localization more detailed is not directly available. If you have need to merge data using a regional key below the available level, please check out the corresponding website at:

→ [www.neps-data.de](http://www.neps-data.de) > Data Center > Overview and Assistance > Regional Data

or contact the LfBi RDC ([fdz@lifbi.de](mailto:fdz@lifbi.de)), which may deal with this matter for you.

**Table 4:** All regional variables which are only available in RemoteNEPS or OnSite.

file	variable	label
pTargetCATI	t700101_g2	Municipality of birth (federal state)
pTargetCATI	t700101_g3	Municipality of birth (RS region)
pTargetCATI	t700101_g4	Municipality of birth (RS administrative district)
pTargetCATI	t751001_g2	Residential municipality (RS federal state)
pTargetCATI	t751001_g3	Residential municipality (RS region)
pTargetCATI	t751001_g4	Residential municipality (RS administrative district)
pTargetCATI	tg15207_g1	Location of higher education institution (west/east)
pTargetCATI	tg15207_g2	Location of higher education institution (federal state)
pTargetCAWI	t29173g	Federal state of the desired higher education institution
pTargetCAWI	tg51511	Federal state of the new higher education institution
spEmp	ts23237_g2	Location of workplace (RS federal state)
spEmp	ts23237_g3	Location of workplace (RS region)
spEmp	ts23237_g4	Location of workplace (RS administrative district)

(...)

## 2 Conducted measures

**Table 4:** (continued)

file	variable	label
spSchool	tg2232b_g2	Community name of UEQ acquisition (RS federal state)
spSchool	tg2232b_g3	Community name of UEQ acquisition (RS region)
spSchool	tg2232b_g4	Community name of UEQ acquisition (RS administrative district)
spSchool	ts11202_g2	Municipality of school (Federal state)
spSchool	ts11202_g3	Municipality of school (RS region)
spSchool	ts11202_g4	Municipality of school (RS administrative district)
spVocPrep	ts13105_g2	Municipality of measure (Federal state)
spVocPrep	ts13105_g3	Municipality of measure (RS region)
spVocPrep	ts13105_g4	Municipality of measure (RS administrative district)
spVocTrain	ts15207_g2	Municipality of training facility (Federal state)
spVocTrain	ts15207_g3	Municipality of training facility (RS region)
spVocTrain	ts15207_g4	Municipality of training facility (RS administrative district)
xInstitution	tg91501	HEI region: Federal state
pTargetCATI	tg15207_g3	Location of the university (administrative district)
pTargetCATI	tg15207_g4	Location of the university (district)

### 2.4 Institutional characteristics

In this Starting Cohort, also information about institutions is available. A special focus of anonymization was directed to protection of institutional data, i.e. information about kindergarten, schools, and universities, but also educators and teachers. To minimize the risk of re-identification, this data is only available in RemoteNEPS. This includes the complete datafile(s)

xInstitution,

but may also affect basic structural details about the group or class (e.g. size of class) in other datafiles. Also, to prevent universities from being disclosed by its individual offer of field and course of studies, these information is available only at the most aggregated value (i.e. first digit of ISCED-97) in the Download version. Furthermore, personal information about educators and teachers is treated more securely. You will find detailed information about these subjects from RemoteNEPS onward. Refer to section 2.6 to see the affected variables.

### 2.5 Macro indicators

Additional information including structural topography and macroeconomic measures was collected. You find those available OnSite only. The following data is available:

- Microm data, describing the surrounding of the targets residence

## 2 Conducted measures

### 2.6 Other variables

All other variables affected by anonymization and not classifiable in the previous groups are listed below. In the first table (table 5), you find all variables which were aggregated in the Download-SUF. An additional table below each entry displays the values of the variable, both as found in RemoteNEPS (if table column is empty, the variable is numeric and does not have a value label scheme) and in Download.

The second table (table 6) contains all variables which are not aggregated, but purged completely in the Download-version, that is, there is no aggregated version.

**Table 5:** Other variables which were aggregated in the Download-SUF (aggregation is also stated)

#### [file] variable: label

[pTargetCATI] t731406: Number of mother's employees (categorized)

RemoteNEPS		Download
1 to less than 5	1	1 to less than 5
5 to less than 10	2	5 to less than 10
10 to less than 20	3	10 to less than 20
20 to less than 50	4	20 and more
50 to less than 100	5	
100 to less than 200	6	
200 to less than 250	7	
250 to less than 500	8	
500 to less than 1,000	9	
1,000 to less than 2,000	10	
2,000 and more	11	

[pTargetCATI] t731456: Number of father's employees (categorized)

RemoteNEPS		Download
1 to less than 5	1	1 to less than 5
5 to less than 10	2	5 to less than 10
10 to less than 20	3	10 to less than 20
20 to less than 50	4	20 and more
50 to less than 100	5	
100 to less than 200	6	
200 to less than 250	7	
250 to less than 500	8	
500 to less than 1,000	9	
1,000 to less than 2,000	10	
2,000 and more	11	

(...)

## 2 Conducted measures

**Table 5:** (continued)

[file] variable: label

[spEmp] ts23210: Number of employees (categorized)

RemoteNEPS		Download
less than 5	1	1 to less than 5
5 to less than 10	2	5 to less than 10
10 to less than 20	3	10 to less than 20
20 to less than 50	4	20 and more
50 to less than 100	5	
100 to less than 200	6	
200 to less than 250	7	
250 to less than 500	8	
500 to less than 1,000	9	
1,000 to less than 2,000	10	
2,000 and more	11	

[spPartner] ts31229: Number of employees Partner (categorized)

RemoteNEPS		Download
1 to less than 5 persons	1	1 to less than 5
5 to less than 10 persons	2	5 to less than 10
10 to less than 20 persons	3	10 to less than 20
20 to less than 50 persons	4	20 and more
50 to less than 100 persons	5	
100 to less than 200 persons	6	
200 to less than 250 persons	7	
250 to less than 500 persons	8	
500 to less than 1,000 persons	9	
1.000 to less than 2,000 persons	10	
2.000 persons and more	11	

**Table 6:** Other variables which were purged in the Download-SUF

file	variable	label
StudyStates	tx24181_g1	Change of study area Subject 1 (destatis 2010/11)
StudyStates	tx24181_g3	Change of ISCED-97 Subject 1 (3-digit level)
StudyStates	tx24181_g4	Change of ISCED-97 Subject 1 (2-digit level)
StudyStates	tx24182_g1	Study area Subject 1 (destatis 2010/11)
StudyStates	tx24182_g3	ISCED-97 Subject 1 (3-digit level)
StudyStates	tx24182_g4	ISCED-97 Subject 1 (2-digit level)
StudyStates	tx24184_g1	Change of study area Subject 2 (destatis 2010/11)
StudyStates	tx24184_g3	Change of ISCED-97 Subject 2 (3-digit level)
StudyStates	tx24184_g4	Change of ISCED-97 Subject 2 (2-digit level)
StudyStates	tx24185_g1	Study area Subject 2 (destatis 2010/11)

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
StudyStates	tx24185_g3	ISCED-97 Subject 2 (3-digit level)
StudyStates	tx24185_g4	ISCED-97 Subject 2 (2-digit level)
StudyStates	tx24187_g1	Change of study area Subject 3 (destatis 2010/11)
StudyStates	tx24187_g3	Change of ISCED-97 Subject 3 (3-digit level)
StudyStates	tx24187_g4	Change of ISCED-97 Subject 3 (2-digit level)
StudyStates	tx24188_g1	Study area Subject 3 (destatis 2010/11)
StudyStates	tx24188_g3	ISCED-97 Subject 3 (3-digit level)
StudyStates	tx24188_g4	ISCED-97 Subject 3 (2-digit level)
Weights	sLevel	Stratification second level
pTargetCATI	t531211	Amount of tuition fees
pTargetCATI	t531213	Tuition fee collection interval, open
pTargetCATI	tg04001_g1	Study area subject 1 WT 2010 (destatis; PAPI questionnaire)
pTargetCATI	tg04001_g2	Classification study area sampling subject 1 WT 2010 (destatis; PAPI-quest.)
pTargetCATI	tg04001_g4	ISCED-97 subject 1 WT 2010 (3 digits; PAPI questionnaire)
pTargetCATI	tg04001_g5	ISCED-97 subject 1 WT 2010 (2 digits; PAPI questionnaire)
pTargetCATI	tg04004_g1	Study area subject 2 WT 2010 (destatis; PAPI questionnaire)
pTargetCATI	tg04004_g2	Classification study area sampling subject 2 WT 2010 (destatis; PAPI-quest.)
pTargetCATI	tg04004_g4	ISCED-97 subject 2 WT 2010 (3 digits; PAPI questionnaire)
pTargetCATI	tg04004_g5	ISCED-97 subject 2 WT 2010 (2 digits; PAPI questionnaire)
pTargetCATI	tg04007_g1	Study area subject 3 WT 2010 (destatis; PAPI questionnaire)
pTargetCATI	tg04007_g2	Classification study area sampling subject 3 WT 2010 (destatis; PAPI-quest.)
pTargetCATI	tg04007_g4	ISCED-97 subject 3 WT 2010 (3 digits; PAPI questionnaire)
pTargetCATI	tg04007_g5	ISCED-97 subject 3 WT 2010 (2 digits; PAPI questionnaire)
pTargetCATI	tg04009_g2	Type of course of study: Subject group for interdisciplinarity

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
pTargetCATI	tg12001_g1	Study area desired subject 1 (destatis 2010/11), generated
pTargetCATI	tg12001_g2	Desired subject 1 (PAPI), generated
pTargetCATI	tg12002_g1	Desired subject 2 (destatis 2010/11)
pTargetCATI	tg13002	Alternative to studying, specific
pTargetCATI	tg60020	T - Professional situation: school principal
pTargetCAWI	t242400_g1	Study area reference subject learning environment (destatis 2010/11)
pTargetCAWI	t242400_g1v1	AUX: study area Ref. subject questions about learn. env. (destatis 2010/11)
pTargetCAWI	t242400_g3	ISCED-97 reference subject learning environment (3-digit level)
pTargetCAWI	t242400_g3v1	AUX: ISCED-97 ref subject questions about learning environment (3-digit level)
pTargetCAWI	t242400_g4	ISCED-97 reference subject learning environment (2-digit level)
pTargetCAWI	t242400_g4v1	AUX: ISCED-97 ref subject questions about learning environment (2-digit level)
pTargetCAWI	t29173b_g1	Study area desired course of study Master (destatis 2010/11)
pTargetCAWI	t29173b_g3	ISCED-97 desired course of study Master (3-digit)
pTargetCAWI	t29173b_g4	ISCED-97 desired course of study Master (2-digit)
pTargetCAWI	t435030_g1	"Religion & religiousness: other religious community"
pTargetCAWI	t531011	Amount of tuition fees
pTargetCAWI	tg51311_g1	Study area subject 1 (destatis 2010/11)
pTargetCAWI	tg51311_g3	ISCED-97 subject 1 (3-digit level)
pTargetCAWI	tg51311_g4	ISCED-97 subject 1 (2-digit level)
pTargetCAWI	tg51321_g1	Study area subject 2 (destatis 2010/11)
pTargetCAWI	tg51321_g3	ISCED-97 subject 2 (3-digit level)
pTargetCAWI	tg51321_g4	ISCED-97 subject 2 (2-digit level)
pTargetCAWI	tg51331_g1	Study area subject 3 (destatis 2010/11)
pTargetCAWI	tg51331_g3	ISCED-97 subject 3 (3-digit level)
pTargetCAWI	tg51331_g4	ISCED-97 subject 3 (2-digit level)
pTargetCAWI	tg70002_g1	Preload: Study areas doctorate subject (destatis 2010/11)

(...)



## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
pTargetCAWI	tg70002_g3	Preload: ISCED-97 doctorate subject (3-digit level)
pTargetCAWI	tg70002_g4	Preload: ISCED-97 doctorate subject (2-digit level)
pTargetCAWI	tg71111_g1	Study area doctorate subject (destatis 2010/11)
pTargetCAWI	tg71111_g3	ISCED-97 doctorate subject (3-digit level)
pTargetCAWI	tg71111_g4	ISCED-97 doctorate subject (2-digit level)
pTargetCAWI	tg71122_g1	Study area doctorate subject - updated (destatis 2010/11)
pTargetCAWI	tg71122_g3	ISCED-97 doctorate subject - updated (3-digit level)
pTargetCAWI	tg71122_g4	ISCED-97 doctorate subject - updated (2-digit level)
pTargetCORONA	tm00002	Impact: Coronavirus infection - myself
pTargetCORONA	tm00003	Impact: Coronavirus infection - household
pTargetCORONA	tm00004	Impact: Coronavirus infection - relative
pTargetCORONA	tm00005	Impact: Coronavirus infection - friend/acquaintance
pTargetCORONA	tm00006	Impact: Coronavirus infection - colleague
pTargetCORONA	tm00008	Impact: Quarantine - myself
pTargetCORONA	tm00009	Impact: Quarantine - household
pTargetCORONA	tm00010	Impact: Quarantine - relative
pTargetCORONA	tm00011	Impact: Quarantine - friend/acquaintance
pTargetCORONA	tm00012	Impact: Quarantine - colleague
spVocTrain	tg24156_g1	Profession dual vocational training and degree program (KIdB 1988)
spVocTrain	tg24156_g14	Profession dual vocational training and degree program (ISEI-08)
spVocTrain	tg24156_g16	Profession dual vocational training and degree program (SIOPS-08)
spVocTrain	tg24156_g2	Profession dual vocational training and degree program (KIdB 2010)
spVocTrain	tg24156_g3	Profession dual vocational training and degree program (ISCO-88)
spVocTrain	tg24156_g4	Profession dual vocational training and degree program (ISCO-08)
spVocTrain	tg24156_g5	Profession dual vocational training and degree program (ISEI-88)
spVocTrain	tg24156_g6	Profession dual vocational training and degree program (SIOPS-88)

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
spVocTrain	tg24156_g7	Profession dual vocational training and degree program (MPS)
spVocTrain	tg24156_g9	Profession dual vocational training and degree program (BLK)
spVocTrain	tg24160_g1	Study area subject 1 (destatis 2010/11)
spVocTrain	tg24160_g3	ISCED-97 subject 1 (3-digit level)
spVocTrain	tg24160_g4	ISCED-97 subject 1 (2-digit level)
spVocTrain	tg24163_g1	Study area subject 2 (destatis 2010/11)
spVocTrain	tg24163_g3	ISCED-97 subject 2 (3-digit level)
spVocTrain	tg24163_g4	ISCED-97 subject 2 (2-digit level)
spVocTrain	tg24166_g1	Study area subject 3 (destatis 2010/11)
spVocTrain	tg24166_g3	ISCED-97 subject 3 (3-digit level)
spVocTrain	tg24166_g4	ISCED-97 subject 3 (2-digit level)
spVocTrain	tg24169_g1	Degree program (KldB 1988)
spVocTrain	tg24169_g14	Degree program (ISEI-08)
spVocTrain	tg24169_g16	Degree program (SIOPS-08)
spVocTrain	tg24169_g2	Degree program (KldB 2010)
spVocTrain	tg24169_g3	Degree program (ISCO-88)
spVocTrain	tg24169_g4	Degree program (ISCO-08)
spVocTrain	tg24169_g5	Degree program (ISEI-88)
spVocTrain	tg24169_g6	Degree program (SIOPS-88)
spVocTrain	tg24169_g7	Degree program (MPS)
spVocTrain	tg24169_g9	Degree program (BLK)
spVocTrain	tg24170_g1	Study area subject 1 (destatis 2010/11) generated
spVocTrain	tg24170_g3	ISCED-97 subject 1 (3-digit level) generated
spVocTrain	tg24170_g4	ISCED-97 subject 1 (2-digit level) generated
spVocTrain	tg24173_g1	Study area subject 2 (destatis 2010/11) generated
spVocTrain	tg24173_g3	ISCED-97 subject 2 (3-digit level) generated
spVocTrain	tg24173_g4	ISCED-97 subject 2 (2-digit level) generated
spVocTrain	tg24176_g1	Study area subject 3 (destatis 2010/11) generated
spVocTrain	tg24176_g3	ISCED-97 subject 3 (3-digit level) generated
spVocTrain	tg24176_g4	ISCED-97 subject 3 (2-digit level) generated
xEcoCAPI	tg24160_g1	Study area subject 1 (destatis 2010/11)
xEcoCAPI	tg24160_g3	ISCED-97 subject 1 (3-digit level)

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
xEcoCAPI	tg24160_g4	ISCED-97 subject 1 (2-digit level)
xEcoCAPI	tg24163_g1	Study area subject 2 (destatis 2010/11)
xEcoCAPI	tg24163_g3	ISCED-97 subject 2 (3-digit level)
xEcoCAPI	tg24163_g4	ISCED-97 subject 2 (2-digit level)
xEcoCAPI	tg24166_g1	Study area subject 3 (destatis 2010/11)
xEcoCAPI	tg24166_g3	ISCED-97 subject 3 (3-digit level)
xEcoCAPI	tg24166_g4	ISCED-97 subject 3 (2-digit level)
xEcoCAPI	tg24169_g1	Degree program (KldB 1988)
xEcoCAPI	tg24169_g14	Degree program (ISEI-08)
xEcoCAPI	tg24169_g16	Degree program (SIOPS-08)
xEcoCAPI	tg24169_g2	Degree program (KldB 2010)
xEcoCAPI	tg24169_g3	Degree program (ISCO-88)
xEcoCAPI	tg24169_g4	Degree program (ISCO-08)
xEcoCAPI	tg24169_g5	Degree program (ISEI-88)
xEcoCAPI	tg24169_g6	Degree program (SIOPS-88)
xEcoCAPI	tg24169_g7	Degree program (MPS)
xEcoCAPI	tg24169_g9	Degree program (BLK)
xInstitution	tg91102	HEI region: BIK-region type
xInstitution	tg91103	HEI region: BIK-structure type
xInstitution	tg91104	HEI region: BIK-7 class of municipality size
xInstitution	tg91105	HEI region: BIK-10 class of municipality size
xInstitution	tg91106	HEI region: BBSR community type
xInstitution	tg91107	HEI region: BBSR district type
xInstitution	tg91108	HEI region: BBSR composite district type
xInstitution	tg91109	HEI region: BBSR basic region type
xInstitution	tg91110	HEI region: BBSR differentiated basic region type
xInstitution	tg91111	HEI region: Population density 2009 in the county
xInstitution	tg91112	HEI region: Population-employment-density 2009 in the county
xInstitution	tg91113	HEI region: Population density 2009 in the regional planning area
xInstitution	tg91114	HEI region: Population-employment-density 2009 in regional planning area
xInstitution	tg91201	HEI region: Unemployment rate 2009 in the county

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
xInstitution	tg91202	HEI region: Share long-term unemployed 2008 in the county
xInstitution	tg91203	HEI region: Share low-skilled employees 2009 in the county
xInstitution	tg91204	HEI region: Share high-skilled employees 2009 in the county
xInstitution	tg91301	HEI region: Share Pop. over 15 y. with univ. degree 2009 in NUTS2 region
xInstitution	tg91401	HEI region: Gross domestic product per inhabitant 2009 in the county
xInstitution	tg91402	HEI region: monthly household income 2009 in the county
xInstitution	tg91403	HEI region: Community debts per inhabitant 2009 in the county
xInstitution	tg91502	HEI region: Western Germany/Eastern Germany/Berlin
xInstitution	tg91601	HEI region: Share employees in FuE 2007 in the county
xInstitution	tg91602	HEI region: Share employees in secondary sector 2009 in the county
xInstitution	tg91603	HEI region: Share employees in the tertiary sector 2009 in county
xInstitution	tg91604	HEI region: Service rate 2009 in the county
xInstitution	tg91605	HEI region: Share employees enterprise rel. services 2009 in county
xInstitution	tg91606	HEI region: Share employees in creative sectors 2009 in the county
xInstitution	tg91607	HEI region: Ave Nr. Empl. in agriculture/wood/fishing 2009 in the county
xInstitution	tg91608	HEI region: Ave Nr Empl in manuf./building industry 2009 in the county
xInstitution	tg91609	HEI region: Ave. Nr. Empl. in building industry 2009 in the county
xInstitution	tg91610	HEI region: Ave. Nr. Empl. in trade/customer/traffic 2009 in the county
xInstitution	tg91611	HEI region: Ave. Nr. Empl. in finance/renting/business 2009 in the county

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
xInstitution	tg91612	HEI region: Ave. Nr. Empl. in public/private services 2009 in the county
xInstitution	tg91613	HEI region: Nr. of current businesses with 0-9 empl. 2009 in the county
xInstitution	tg91614	HEI region: Nr. of current businesses with 10-49 empl. 2009 in the county
xInstitution	tg91615	HEI region: Nr. of current businesses with 50-249 empl. 2009 in county
xInstitution	tg91616	HEI region: Nr. of current businesses with 250+ empl. 2009 in county
xInstitution	tg92101	HEI: Nomination Future concept 2006 or 2007
xInstitution	tg92102	HEI: Winner Future concept 2006 or 2007
xInstitution	tg92103	HEI: Nomination Cluster of excellence 2006 or 2007
xInstitution	tg92104	HEI: Winner Cluster of excellence 2006 or 2007
xInstitution	tg92105	HEI: Nomination Graduate school 2006 or 2007
xInstitution	tg92106	HEI: Winner Graduate school 2006 or 2007
xInstitution	tg92301	HEI: Funding body
xInstitution	tg92401	HEI: Type of higher education institution
xInstitution	tg92501	HEI: Finalist Excellent teaching 2009
xInstitution	tg92502	HEI: Winner Excellent teaching 2009
xInstitution	tg92601	HEI: Students 2010 total
xInstitution	tg92602	HEI: First-year students 2010 (1st semester) total
xInstitution	tg92701	HEI: Students 2010: Germans
xInstitution	tg92702	HEI: Students 2010: Non-German residents
xInstitution	tg92703	HEI: Students 2010: Foreign students
xInstitution	tg92704	HEI: Students 2010: male
xInstitution	tg92705	HEI: Students 2010: female
xInstitution	tg92706	HEI: First-year students 2010 (1st semester): Germans
xInstitution	tg92707	HEI: First-year students 2010 (1st semester): Non-German residents
xInstitution	tg92708	HEI: First-year students 2010 (1st semester): Foreign students
xInstitution	tg92709	HEI: First-year students 2010 (1st semester): male
xInstitution	tg92710	HEI: First-year students 2010 (1st semester): female

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
xInstitution	tg92801	HEI: Students 2010: Subject group Sports/language/cultural sciences
xInstitution	tg92802	HEI: Students 2010: Subject group Law
xInstitution	tg92803	HEI: Students 2010: Subject group Economics
xInstitution	tg92804	HEI: Students 2010: Subject group Social sciences
xInstitution	tg92805	HEI: Students 2010: Subject group Mathematics/-natural science
xInstitution	tg92806	HEI: Students 2010: Subject group Medicine/health science
xInstitution	tg92807	HEI: Students 2010: Subject group Veterinary/agricult./forestry/nutrition
xInstitution	tg92808	HEI: Students 2010: Subject group engineering
xInstitution	tg92809	HEI: Students 2010: Subject group Art/fine arts
xInstitution	tg92810	HEI: Students 2010: other subjects
xInstitution	tg93101	SG: Students 2010
xInstitution	tg93102	SG: Beginning students 2010 (1st semester) 2010
xInstitution	tg93201	SG: Students 2010: Germans
xInstitution	tg93202	SG: Students 2010: Educational residents
xInstitution	tg93203	SG: Students 2010: Foreign students
xInstitution	tg93204	SG: Students 2010: male
xInstitution	tg93205	SG: Students 2010: female
xInstitution	tg93206	SG: Beginning students 2010 (1st semester): Germans
xInstitution	tg93207	SG: Beginning students 2010 (1st semester): Educational residents
xInstitution	tg93208	SG: Beginning students 2010 (1st semester): Foreign students
xInstitution	tg93209	SG: Beginning students 2010 (1st semester): male
xInstitution	tg93210	SG: Beginning students 2010 (1st semester): female
xInstitution	tg93301	SG: Regular basic funding 2010
xInstitution	tg93302	SG: Third-party fund. for teaching and research total 2010
xInstitution	tg93401	SG: Nr. professors
xInstitution	tg93402	SG: Nr. professors: male
xInstitution	tg93403	SG: Nr. professors: female
xInstitution	tg93404	SG: FTE professors

(...)

## 2 Conducted measures

**Table 6:** (continued)

file	variable	label
xInstitution	tg93405	SG: FTE professors: male
xInstitution	tg93406	SG: FTE professors: female
xInstitution	tg93407	SG: Nr. lecturers/assistants/scien./art. staff
xInstitution	tg93408	SG: Nr. lecturers/assistants/scien./art. staff: male
xInstitution	tg93409	SG: Nr. lecturers/assistants/scien./art. staff: female
xInstitution	tg93410	SG: FTE lecturers/assistants/scien./art. staff
xInstitution	tg93411	SG: FTE lecturers/assistants/scien./art. staff: male
xInstitution	tg93412	SG: FTE lecturers/assistants/scien./art. staff: female
xInstitution	tg93413	SG: Nr. lecturers/assistants/scien./art. staff without third-party fund.
xInstitution	tg93414	SG: Nr. lecturers/assistants/scien./art. staff without third-party fund.: male
xInstitution	tg93415	SG: Nr. lecturers/assistants/scien./art. staff without third-party fund.: female
xInstitution	tg93416	SG: FTE lecturers/assistants/scien./art. staff without third-party fund.
xInstitution	tg93417	SG: FTE lecturers/assistants/scien./art. staff without third-party fund.: male
xInstitution	tg93418	SG: FTE lecturers/assistants/scien./art. staff without third-party fund.: female
xInstitution	tg93419	SG: Nr. teaching staff for special tasks
xInstitution	tg93420	SG: Nr. teaching staff for special tasks: male
xInstitution	tg93421	SG: Nr. teaching staff for special tasks: female
xInstitution	tg93422	SG: FTE teaching staff for special tasks
xInstitution	tg93423	SG: FTE teaching staff for special tasks: male
xInstitution	tg93424	SG: FTE teaching staff for special tasks: female
xInstitution	tg93425	SG: Nr. part-time lecturers
xInstitution	tg93426	SG: Nr. part-time lecturers: male
xInstitution	tg93427	SG: Nr. part-time lecturers: female
xInstitution	tg93428	SG: FTE part-time lecturers
xInstitution	tg93429	SG: FTE part-time lecturers: male
xInstitution	tg93430	SG: FTE part-time lecturers: female
xInstitution	tg93501	SG: Third-party fund. per prof.
xInstitution	tg93601	SG: Students per professor
xInstitution	tg93602	SG: Students per lectur./assis./scien./art. staff without third-party fund. (FT)

(...)

## 2 Conducted measures

Table 6: (continued)

file	variable	label
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## 3 Examples

The following examples compare variables from some selected topics. On the left side, you see these variables as they can be found in the RemoteNEPS-SUF (i.e., this is the variant of the variable which contains the full information). On the right side, you find the same variables, but from the Download-version of the SUF, that is, the aggregated or purged variant of the variable. This illustrates the anonymization applied.

### 3 Examples

#### 3.1 Number of employees

The first example is a variable collected during the interview of Starting Cohort 6 (Adults). The question further investigates the occupational periphery of employers, while here, this employer is the mother of the respondent. On the left, you see the complete information as found in the RemoteNEPS-SUF. This variable is collected using seven classes, where the last four are sparsely filled (variable `t731406_R`, table on the lower left). Because of this, those four codes have been recoded into one category (*»20 and more«*) and a new variable is generated (`t731406_D`, upper left). In the Download-SUF, you find this aggregated variable unaltered (upper right). The variable `t731406_R` rich in content was purged, though. You see that all meaningful codes have been recoded to *»-53 Anonymized«*. Note that the missing code *»-54 Missing by design«* is transported to the Download-SUF unmodified, so you already can derive the actual *statistical power* of this variable.

RemoteNEPS		Download	
SC6_pTarget_R_5-1-0.dta (NEPS SUF, SC6 5.1.0 (remote); doi:10.5157/NEPS:SC6:5.1.0)		SC6_pTarget_D_5-1-0.dta (NEPS SUF, SC6 5.1.0 (download); doi:10.5157/NEPS:SC6:5.1.0)	
t731406_D -- Number of mother's employees (categorized)		t731406_D -- Number of mother's employees (categorized)	
	Freq.		Freq.
Valid		Valid	
-98 Don't know	7	-98 Don't know	7
-97 Refused	1	-97 Refused	1
-54 Missing by design	36700	-54 Missing by design	36700
0 none	423	0 none	423
1 1 to 4	330	1 1 to 4	330
2 5 to 9	64	2 5 to 9	64
3 10 to 19	22	3 10 to 19	22
4 20 and more	28	4 20 and more	28
Total	37575	Total	37575
Missing .	15982	Missing .	15982
Total	53557	Total	53557
t731406_R -- Number of mother's employees		t731406_R -- Number of mother's employees	
	Freq.		Freq.
Valid		Valid	
-98 Don't know	7	-54 Missing by design	36700
-97 Refused	1	-53 Anonymized	875
-54 Missing by design	36700	Total	37575
0 None	423	Missing .	15982
1 1 to 4	330	Total	53557
2 5 to 9	64		
3 10 to 19	22		
4 20 to 49	21		
5 50 to 99	3		
6 100 to 199	3		
7 200 to 249	1		
Total	37575		
Missing .	15982		
Total	53557		

### 3 Examples

#### 3.2 Countries (aggregated list)

To illustrate the anonymization of countries, first have a look at this variable from Starting Cohort 6 (Adults). The information (*»respondent's country of birth«*) was surveyed during the interview. The collected information was recoded during data processing to different derived variables. The first of those is variable `t405010_g1R`, which contains the complete list of countries (lower left, output is shortened to enhance readability). Also, a second variable `t405010_g2` was generated, using a more coarse list. This is helpful if some information was collected, but it is too inaccurate to identify the country (e.g., if someone states he was born in North America, you do not know if he meant U.S. or Canada). This second variable is transported to the Download-SUF unaltered (upper right), which means it in some way represents the anonymized version. The first variable `t405010_g1R` with the full information is purged in the Download-SUF.

RemoteNEPS		Download	
SC6_pTarget_R_5-1-0.dta (NEPS SUF, SC6 5.1.0 (remote); doi:10.5157/NEPS:SC6:5.1.0)		SC6_pTarget_D_5-1-0.dta (NEPS SUF, SC6 5.1.0 (download); doi:10.5157/NEPS:SC6:5.1.0)	
t405010_g2 -- Country of birthplace (categorized)		t405010_g2 -- Country of birthplace (categorized)	
-----		-----	
	Freq.		Freq.
-----		-----	
Valid		Valid	
-97 Refused	2	-97 Refused	2
-54 Missing by design	36417	-54 Missing by design	36417
-20 Foreign, but not codeable	5	-20 Foreign, but not codeable	5
1 Germany	15388	1 Germany	15388
2 Italy	52	2 Italy	52
3 Poland	244	3 Poland	244
4 Romania	98	4 Romania	98
5 Turkey	182	5 Turkey	182
6 Former Yugoslavia	113	6 Former Yugoslavia	113
7 Former Soviet Union	522	7 Former Soviet Union	522
8 Central and South America, Caribbean	42	8 Central and South America, Caribbean	42
9 Northern and Western Europe	154	9 Northern and Western Europe	154
10 North America	33	10 North America	33
12 Other Middle East and North Africa	73	12 Other Middle East and North Africa	73
13 Other Africa	30	13 Other Africa	30
14 Other Asia	74	14 Other Asia	74
15 Other Central and Eastern Europe	84	15 Other Central and Eastern Europe	84
16 Other Southern Europe	44	16 Other Southern Europe	44
Total	53557	Total	53557
-----		-----	
t405010_g1R -- Country of place of birth		t405010_g1R -- Country of place of birth	
-----		-----	
	Freq.		Freq.
-----		-----	
Valid		Valid	
-97 Refused	2	-54 Missing by design	36417
-54 Missing by design	36417	-53 Anonymized	17140
-20 Foreign, but not codeable	5	Total	53557
0 germany	15388	-----	
120 yugoslavia	30		
121 albania	4		
122 bosnia and herzegovina	22		
124 belgium	5		
:	:		
477 uzbekistan	6		
479 china	7		
482 malaysia	2		
499 other asia	1		
Total	53557		
-----			

### 3 Examples

#### 3.3 Countries (binary variable)

In school cohorts, an aggregation of countries is coarsened to the binary information German/Non-German. To illustrate this, have a look at variables from Starting Cohort 2 (Kindergarten). The information («*country of birth target child*») was surveyed during the interview using a two-step procedure: first, the respondent is asked if the child was born in Germany or abroad (variable p406000, top left). This variable is not subject to anonymization and therefore does not have a suffix and is equally existent in both SUF-versions. If the child was born abroad, a second question regarding the specific country followed (variable p406010\_g1R, lower left, output is reduced to enhance readability). This second question is purged in the Download-SUF (lower right). There is no need to generate an additional anonymized version of this second question, as the information is already present in the first shown variable (p406000).

RemoteNEPS	Download
<pre> SC2_pParent_R_3-0-0.dta (NEPS SUF, SC2 3.0.0 (remote); doi:10.5157/NEPS:SC2:3.0.0)  p406000 -- Target child born in Germany? -----                  Freq. -----+----- Valid   -98 Don't know            1          1 Yes                  7658          2 No                    173          Total                  7832 Missing .                       3545 Total                            11377 -----  p406010_g1R -- Country of birth target child -----                  Freq. -----+----- Valid   -98 Don't know            1         -20 Abroad, but not codeable            1          0 germany               7658         124 belgium                2         125 bulgaria               5          :                         :         475 syrian arab republic            2         476 thailand               2         479 china                  4         536 new zealand            1          Total                  7832 Missing .                       3545 Total                            11377 ----- </pre>	<pre> SC2_pParent_D_3-0-0.dta (NEPS SUF, SC2 3.0.0 (download); doi:10.5157/NEPS:SC2:3.0.0)  p406000 -- Target child born in Germany? -----                  Freq. -----+----- Valid   -98 Don't know            1          1 Yes                  7658          2 No                    173          Total                  7832 Missing .                       3545 Total                            11377 -----  p406010_g1R -- Country of birth target child -----                  Freq. -----+----- Valid   -53 Anonymized          7832 Missing .                       3545 Total                            11377 ----- </pre>

### 3 Examples

#### 3.4 Federal states

Regional locations are usually recoded to different derived variables (see section 2.3). In this example, we focus on the region of the school in Starting Cohort 3 (5th graders). The first derived variable is a binary variable for Western and Eastern Germany (tx80109\_g1), present in both SUF-versions (upper left and upper right). The second variable tx80109\_g2R, containing the federal states, is only complete in the RemoteNEPS-SUF (lower left), and is purged in the Download-SUF (lower right).

RemoteNEPS		Download	
SC3_CohortProfile_R_3-1-0.dta (NEPS SUF, SC3 3.1.0 (remote); doi:10.5157/NEPS:SC3:3.1.0)		SC3_CohortProfile_D_3-1-0.dta (NEPS SUF, SC3 3.1.0 (download); doi:10.5157/NEPS:SC3:3.1.0)	
tx80109_g1 -- Sample: Federal state school (west/east)		tx80109_g1 -- Sample: Federal state school (west/east)	
	Freq.		Freq.
Valid	-55 Not determinable   458	Valid	-55 Not determinable   458
	1 Western Germany   16299		1 Western Germany   16299
	2 Eastern Germany incl. Berlin   3784		2 Eastern Germany incl. Berlin   3784
	Total   20541		Total   20541
tx80109_g2R -- Sample: Federal state school		tx80109_g2R -- Sample: Federal state school	
	Freq.		Freq.
Valid	-55 Not determinable   458	Valid	-53 Anonymized   20541
	1 Schleswig-Holstein   784		
	2 Hamburg   377		
	3 Lower Saxony   2209		
	4 Bremen   158		
	5 North Rhine-Westphalia   4398		
	6 Hesse   1308		
	7 Rhineland-Palatinate   971		
	8 Baden-Wuerttemberg   3265		
	9 Bavaria   2677		
	10 Saarland   152		
	11 Berlin (Complete)   404		
	12 Brandenburg   1143		
	13 Mecklenburg-Western Pomerania   619		
	14 Saxony   617		
	15 Saxony-Anhalt   401		
	16 Thuringia   600		
	Total   20541		

### 3 Examples

#### 3.5 Class size

Sometimes, variables are collected numerical. In the example below, the number of students in class was surveyed from the educator in Starting Cohort 2 (Kindergarten) without any further regulations. Thus, the resulting variable e227400\_g1R (lower left) does not have a coding scheme. This variable is aggregated to the variable e227400\_g1D containing six different class-sizes (upper left). You find this aggregated version in both SUF-versions, the full numerical variable is purged in the Download-SUF, though (lower right).

RemoteNEPS	Download																																																																																																						
<pre>SC2_pEducator_R_3-0-0.dta (NEPS SUF, SC2 3.0.0 (remote); doi:10.5157/NEPS:SC2:3.0.0)  e227400_g1D -- Class: number of students, total (coarsed) -----</pre> <table border="1"> <thead> <tr> <th></th> <th style="text-align: right;">Freq.</th> </tr> </thead> <tbody> <tr> <td>Valid -90 Unspecific missing</td> <td style="text-align: right;">10</td> </tr> <tr> <td>-54 Missing by design</td> <td style="text-align: right;">1803</td> </tr> <tr> <td>1 Below 10</td> <td style="text-align: right;">3</td> </tr> <tr> <td>2 10 to 14</td> <td style="text-align: right;">26</td> </tr> <tr> <td>3 15 to 19</td> <td style="text-align: right;">203</td> </tr> <tr> <td>4 20 to 24</td> <td style="text-align: right;">450</td> </tr> <tr> <td>5 25 to 29</td> <td style="text-align: right;">169</td> </tr> <tr> <td>6 30 to 34</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">2668</td> </tr> </tbody> </table> <pre>----- e227400_g1R -- Class: number of students total -----</pre> <table border="1"> <thead> <tr> <th></th> <th style="text-align: right;">Freq.</th> </tr> </thead> <tbody> <tr> <td>Valid -90 Unspecific missing</td> <td style="text-align: right;">10</td> </tr> <tr> <td>-54 Missing by design</td> <td style="text-align: right;">1803</td> </tr> <tr> <td>8</td> <td style="text-align: right;">3</td> </tr> <tr> <td>10</td> <td style="text-align: right;">1</td> </tr> <tr> <td>11</td> <td style="text-align: right;">1</td> </tr> <tr> <td>12</td> <td style="text-align: right;">4</td> </tr> <tr> <td>13</td> <td style="text-align: right;">8</td> </tr> <tr> <td>14</td> <td style="text-align: right;">12</td> </tr> <tr> <td>15</td> <td style="text-align: right;">21</td> </tr> <tr> <td>16</td> <td style="text-align: right;">22</td> </tr> <tr> <td>17</td> <td style="text-align: right;">34</td> </tr> <tr> <td>18</td> <td style="text-align: right;">58</td> </tr> <tr> <td>19</td> <td style="text-align: right;">68</td> </tr> <tr> <td>20</td> <td style="text-align: right;">75</td> </tr> <tr> <td>21</td> <td style="text-align: right;">89</td> </tr> <tr> <td>22</td> <td style="text-align: right;">98</td> </tr> <tr> <td>23</td> <td style="text-align: right;">88</td> </tr> <tr> <td>24</td> <td style="text-align: right;">100</td> </tr> <tr> <td>25</td> <td style="text-align: right;">83</td> </tr> <tr> <td>26</td> <td style="text-align: right;">39</td> </tr> <tr> <td>27</td> <td style="text-align: right;">27</td> </tr> <tr> <td>28</td> <td style="text-align: right;">14</td> </tr> <tr> <td>29</td> <td style="text-align: right;">6</td> </tr> <tr> <td>30</td> <td style="text-align: right;">3</td> </tr> <tr> <td>31</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">2668</td> </tr> </tbody> </table>		Freq.	Valid -90 Unspecific missing	10	-54 Missing by design	1803	1 Below 10	3	2 10 to 14	26	3 15 to 19	203	4 20 to 24	450	5 25 to 29	169	6 30 to 34	4	Total	2668		Freq.	Valid -90 Unspecific missing	10	-54 Missing by design	1803	8	3	10	1	11	1	12	4	13	8	14	12	15	21	16	22	17	34	18	58	19	68	20	75	21	89	22	98	23	88	24	100	25	83	26	39	27	27	28	14	29	6	30	3	31	1	Total	2668	<pre>SC2_pEducator_D_3-0-0.dta (NEPS SUF, SC2 3.0.0 (download); doi:10.5157/NEPS:SC2:3.0.0)  e227400_g1D -- Class: number of students, total (coarsed) -----</pre> <table border="1"> <thead> <tr> <th></th> <th style="text-align: right;">Freq.</th> </tr> </thead> <tbody> <tr> <td>Valid -90 Unspecific missing</td> <td style="text-align: right;">10</td> </tr> <tr> <td>-54 Missing by design</td> <td style="text-align: right;">1803</td> </tr> <tr> <td>1 Below 10</td> <td style="text-align: right;">3</td> </tr> <tr> <td>2 10 to 14</td> <td style="text-align: right;">26</td> </tr> <tr> <td>3 15 to 19</td> <td style="text-align: right;">203</td> </tr> <tr> <td>4 20 to 24</td> <td style="text-align: right;">450</td> </tr> <tr> <td>5 25 to 29</td> <td style="text-align: right;">169</td> </tr> <tr> <td>6 30 to 34</td> <td style="text-align: right;">4</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">2668</td> </tr> </tbody> </table> <pre>----- e227400_g1R -- Class: number of students total -----</pre> <table border="1"> <thead> <tr> <th></th> <th style="text-align: right;">Freq.</th> </tr> </thead> <tbody> <tr> <td>Valid -54 Missing by design</td> <td style="text-align: right;">1803</td> </tr> <tr> <td>-53 Anonymized</td> <td style="text-align: right;">865</td> </tr> <tr> <td>Total</td> <td style="text-align: right;">2668</td> </tr> </tbody> </table>		Freq.	Valid -90 Unspecific missing	10	-54 Missing by design	1803	1 Below 10	3	2 10 to 14	26	3 15 to 19	203	4 20 to 24	450	5 25 to 29	169	6 30 to 34	4	Total	2668		Freq.	Valid -54 Missing by design	1803	-53 Anonymized	865	Total	2668
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# A Appendix

## A.1 Complete overview

The following table lists all variables which are affected by anonymization methods. For all variables, full information is available OnSite, although for many of them, you already find this complete information in the RemoteNEPS-version. Only for those variables marked with an asterisk, the full information is only present OnSite. For most of the variables, an aggregated or generated version is available, which still transports some information to the Download-version. Please see the previous chapters for more information.

**Table 7:** Complete overview of all restricted variables

file	variable	label (*only available OnSite)
pTargetCATI	t405010_g1	Country of place of birth
pTargetCATI	t405070_g1	Country of birth, mother
pTargetCATI	t405081_g1	Country of residence, mother
pTargetCATI	t405100_g1	Country of birth Father
pTargetCATI	t405111_g1	Country of residence, father
pTargetCATI	t405220_g1	Country of birth, mother's mother
pTargetCATI	t405230_g1	Country of birth, mother's father
pTargetCATI	t405240_g1	Country of birth, father's mother
pTargetCATI	t405250_g1	Country of birth, father's father
pTargetCATI	t431010_g1	Country of destination
pTargetCATI	t751004_g1	Country of residence (abroad)
pTargetCAWI	t29173e	Country of desired higher education institution (destatis)
pTargetCAWI	t42800x_g1	Selection country of origin (destatis)
pTargetCAWI	t42802x_g1	Preload: Country of origin (destatis)
pTargetCAWI	tg51510	Country of the new higher education institution
spEmp	ts23239_g1	Country of workplace
spPartner	t407021_g1	partner: Place of residence
spPartner	ts31205_g1	Country of birth Partner
spPartner	ts31208_g1	Country of birth Father Partner
spPartner	ts31210_g1	Country of birth Mother Partner
spSchool	ts1120s_g1	Country of school
spSchoolExtExam	ts11301_g1	Country of awarded school-leaving qualification
spVocExtExam	ts15303_g1	Country of external examination
spVocTrain	tg24196_g1	1st country of stay abroad
spVocTrain	tg24198_g1	2nd country of stay abroad
spVocTrain	tg2420e_g1	Preferred country for Master's degree
spVocTrain	ts1521s_g1	Country of vocational training
pTargetCATI	t414000_g1	First mother tongue (ISO 639.2)
pTargetCATI	t414002_g1	Second mother tongue (ISO 639.2)
pTargetCATI	t414060_g1	Auxiliary variable: language of origin target (ISO 639.2)
pTargetCATI	t414100_g1	Mother: First language/native language (ISO 639.2)
pTargetCATI	t414120_g1	Father: First language/native language (ISO 639.2)
pTargetCATI	t418001_g1	Language Reading - profession (ISO 639.2)

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
pTargetCATI	t418011_g1	Language Reading - free time (ISO 639.2)	
pTargetCATI	t418021_g1	Foreign language Reading Studies (ISO 639.2)	
pTargetCATI	t406100_g1	other nationality	
pTargetCATI	t272800	Trade fair/congress: content	*
pTargetCATI	t272801	Specialist lecture: content	*
pTargetCATI	t272804	Self-study program: content	*
pTargetCATI	t516202	Party election (another party)	*
pTargetCATI	t531259	other source of finance, open	*
pTargetCATI	t731302	other school-leaving qualification Mother	*
pTargetCATI	t731304	other vocational qualification Mother (open)	*
pTargetCATI	t731307	other higher education qualification Mother (open)	*
pTargetCATI	t731352	other school-leaving qualification Father	*
pTargetCATI	t731354	other vocational qualification Father (open)	*
pTargetCATI	t731357	other higher education qualification Father (open)	*
pTargetCATI	tg2450j	Other doctorate situation (open)	*
pTargetCATI	tg2451l	Other reason termination of doctorate (open)	*
pTargetCATI	tg2470h	Other source of finance (open)	*
pTargetCATI	tg2631p	Job found: other (open)	*
pTargetCATI	tg2638c	Help for starting job: other open	*
pTargetCATI	tg60213	T - Prof. situation: other type of school, open (CATI)	*
pTargetCATI	tg6024s	T - Prof. situation: subjects, other subject or subject group, open	*
pTargetCATI	tg64029	Intended teaching degree: other (open)	*
pTargetCATI	tg64032	Preparatory service: Another type of school (open)	*
pTargetCAWI	t24100s	other types of counseling offered by higher education institution, open	*
pTargetCAWI	t24210t	Higher education institution activities: other open	*
pTargetCAWI	t26280t	Volunteering: sports and exercise, open	*
pTargetCAWI	t26281t	Volunteering: culture and music, open	*
pTargetCAWI	t26282t	Volunteering: leisure and social groups, open	*
pTargetCAWI	t26283t	Volunteering: social service other, open	*
pTargetCAWI	t26284t	Volunteering: health other, open	*
pTargetCAWI	t26285t	Volunteering: school/kindergarten other, open	*
pTargetCAWI	t26286t	Volunteering: leisure and social groups, other, open	*
pTargetCAWI	t26287t	Volunteering: environment, nature and animal protection other, open	*
pTargetCAWI	t26288t	Volunteering: politics other, open	*
pTargetCAWI	t26289t	Volunteering: professional interest representation outside company other, open	*
pTargetCAWI	t26290t	Volunteering: church, religion other, open	*
pTargetCAWI	t26291t	Volunteering: justice and crime problems other, open	*
pTargetCAWI	t26292t	Volunteering: accident and emergency services other, open	*
pTargetCAWI	t26293t	Volunteering: civic activities other, open	*
pTargetCAWI	t29151s	other sources of information, open	*
pTargetCAWI	t29172n	Admission Master's degree program: other open	*
pTargetCAWI	t29173b	Desired course of study Master open	*
pTargetCAWI	t29173f	other country of the desired higher education institution	*
pTargetCAWI	t29173i	Desired higher education institution Master open	*

(...)



Table 7: (continued)

file	variable	label (*only available OnSite)	
pTargetCAWI	t29175i	other information and qualification possibilities, open	*
pTargetCAWI	t29180h	Reasons no job search after Bachelor(degree) open	*
pTargetCAWI	t29182i	Reasons no job search after completion of study open	*
pTargetCAWI	t29184n	Other problems, open	*
pTargetCAWI	t29186m	other sources of information, open	*
pTargetCAWI	t406711	Mother's other leaving qualification SU	*
pTargetCAWI	t406731	Mother's other leaving qualification Turkey	*
pTargetCAWI	t406811	Father's other leaving qualification SU	*
pTargetCAWI	t406831	Father's other leaving qualification Turkey	*
pTargetCAWI	t531009	Other tuition fee collection interval, open	*
pTargetCAWI	t531029	other source of funding	*
pTargetCAWI	t66505a	Goal orientation: work/vocational training	*
pTargetCAWI	t66506a	Goal orientation: private/family	*
pTargetCAWI	tg5110s	Curr. activity: other, open	*
pTargetCAWI	tg5120s	Study organization semester/trimester, open	*
pTargetCAWI	tg5141s	Other intended degree after change, open	*
pTargetCAWI	tg51420	Type of intended teaching degree (open; CAWI)	*
pTargetCAWI	tg59101	Online device use: device type (request TP), open	*
pTargetCAWI	tg59106	Online device use: operating system (request TP), open	*
pTargetCAWI	tg59108	Online device use: browser (request TP), open	*
pTargetCAWI	tg59110	Online device use: window resolution (JavaScript)	*
pTargetCAWI	tg59111	Online device use: window resolution (JavaScript) during interruption of survey	*
pTargetCAWI	tg59201	Survey setting, open	*
pTargetCAWI	tg6021s	T - Prof. situation: other type of school, open (CAWI)	*
pTargetCAWI	tg6022s	T - Prof. situation: subjects, other subject or subject group, open	*
pTargetCAWI	tg76001	Professional title	*
pTargetCORONA	th80002	Content media - digital	*
pTargetCORONA	tm00040	Childcare situation NEPS child - open	*
pTargetCORONA	tm00048	Childcare situation - open	*
pTargetCORONA	tm00056	Learning materials: open	*
pTargetCORONA	tm00071	Changed learning opportunities during school closure - other, open	*
pTargetCORONA	tm00085	Learning materials - open	*
pTargetCORONA	tm00097	Changed learning opportunities during school closure - other, open	*
pTargetCORONA	tm00109	Offered courses - other, open	*
pTargetCORONA	tm00115	Learning materials, open	*
pTargetCORONA	tm00140	Chances Future	*
spChild	ts33211	Other employment status Child (open information)	*
spChild	ts33213	Other type of school Child	*
spChild	ts33215	Other school-leaving qualification Child	*
spChild	ts33217	Other training Child	*
spChild	ts33219	Other study institution Child	*
spChild	ts33221	Other vocational qualification Child (open)	*
spChild	ts33222	Other educational institution Child (open)	*
spChild	ts33224	Other higher education qualification Child (open)	*

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
spChild	ts33226	Other institution awarding higher education degrees Child (open)	*
spCourses	t272011_w1	Course content	*
spCourses	t272011_w2	Course content	*
spCourses	t272011_w3	Course content	*
spEmp	tg2608c	other type of student employment	*
spEmp	tg2628h	other reason for internship (open)	*
spFurtherEdu1	t272000	Content other course	*
spFurtherEdu2	t272044	Type of certificate	*
spGap	ts29102	other activity	*
spPartner	ts31213	Other school-leaving qualification Partner	*
spPartner	ts31215	Other vocational qualification Partner (open)	*
spPartner	ts31218	Other higher education qualification Partner (open)	*
spSchool	t724806	1st Abitur subject, open	*
spSchool	t724807	2nd Abitur subject, open	*
spSchool	t724808	3rd Abitur subject, open	*
spSchool	t724809	4th Abitur subject, open	*
spSchool	t724810	5th Abitur subject, open	*
spSchool	t724902	Professional focus, open	*
spSchool	ts11206	Other type of school	*
spSchool	ts11212	Other school-leaving qualification	*
spSchool	ts11217	Other intended school-leaving qualification	*
spVocExtExam	ts15305	other external examination qualification	*
spVocTrain	tg24202	Type of intended teaching degree (open; CATI)	*
spVocTrain	ts15202	Other training	*
spVocTrain	ts15220	other vocational qualification	*
spVocTrain	ts15222	Other vocational qualification	*
xEcoCAPI	tg24169	Degree program, open	*
xEcoCAPI	tg9039m	Specialization open	*
pTargetCATI	t700101_g2	Municipality of birth (federal state)	
pTargetCATI	t700101_g3	Municipality of birth (RS region)	
pTargetCATI	t700101_g4	Municipality of birth (RS administrative district)	
pTargetCATI	t751001_g2	Residential municipality (RS federal state)	
pTargetCATI	t751001_g3	Residential municipality (RS region)	
pTargetCATI	t751001_g4	Residential municipality (RS administrative district)	
pTargetCATI	tg15207_g1	Location of higher education institution (west/east)	
pTargetCATI	tg15207_g2	Location of higher education institution (federal state)	
pTargetCAWI	t29173g	Federal state of the desired higher education institution	
pTargetCAWI	tg51511	Federal state of the new higher education institution	
spEmp	ts23237_g2	Location of workplace (RS federal state)	
spEmp	ts23237_g3	Location of workplace (RS region)	
spEmp	ts23237_g4	Location of workplace (RS administrative district)	
spSchool	tg2232b_g2	Community name of UEQ acquisition (RS federal state)	
spSchool	tg2232b_g3	Community name of UEQ acquisition (RS region)	
spSchool	tg2232b_g4	Community name of UEQ acquisition (RS administrative district)	
spSchool	ts11202_g2	Municipality of school (Federal state)	
spSchool	ts11202_g3	Municipality of school (RS region)	
spSchool	ts11202_g4	Municipality of school (RS administrative district)	

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
spVocPrep	ts13105_g2	Municipality of measure (Federal state)	
spVocPrep	ts13105_g3	Municipality of measure (RS region)	
spVocPrep	ts13105_g4	Municipality of measure (RS administrative district)	
spVocTrain	ts15207_g2	Municipality of training facility (Federal state)	
spVocTrain	ts15207_g3	Municipality of training facility (RS region)	
spVocTrain	ts15207_g4	Municipality of training facility (RS administrative district)	
xInstitution	tg91501	HEI region: Federal state	
pTargetCATI	tg15207_g3	Location of the university (administrative district)	*
pTargetCATI	tg15207_g4	Location of the university (district)	*
pTargetCATI	t731406	Number of mother's employees	
pTargetCATI	t731456	Number of father's employees	
spEmp	ts23210	Number of employees	
spPartner	ts31229	Number of employees Partner	
StudyStates	tx24181_g1	Change of study area Subject 1 (destatis 2010/11)	
StudyStates	tx24181_g3	Change of ISCED-97 Subject 1 (3-digit level)	
StudyStates	tx24181_g4	Change of ISCED-97 Subject 1 (2-digit level)	
StudyStates	tx24182_g1	Study area Subject 1 (destatis 2010/11)	
StudyStates	tx24182_g3	ISCED-97 Subject 1 (3-digit level)	
StudyStates	tx24182_g4	ISCED-97 Subject 1 (2-digit level)	
StudyStates	tx24184_g1	Change of study area Subject 2 (destatis 2010/11)	
StudyStates	tx24184_g3	Change of ISCED-97 Subject 2 (3-digit level)	
StudyStates	tx24184_g4	Change of ISCED-97 Subject 2 (2-digit level)	
StudyStates	tx24185_g1	Study area Subject 2 (destatis 2010/11)	
StudyStates	tx24185_g3	ISCED-97 Subject 2 (3-digit level)	
StudyStates	tx24185_g4	ISCED-97 Subject 2 (2-digit level)	
StudyStates	tx24187_g1	Change of study area Subject 3 (destatis 2010/11)	
StudyStates	tx24187_g3	Change of ISCED-97 Subject 3 (3-digit level)	
StudyStates	tx24187_g4	Change of ISCED-97 Subject 3 (2-digit level)	
StudyStates	tx24188_g1	Study area Subject 3 (destatis 2010/11)	
StudyStates	tx24188_g3	ISCED-97 Subject 3 (3-digit level)	
StudyStates	tx24188_g4	ISCED-97 Subject 3 (2-digit level)	
Weights	sLevel	Stratification second level	
pTargetCATI	t531211	Amount of tuition fees	
pTargetCATI	t531213	Tuition fee collection interval, open	*
pTargetCATI	tg04001_g1	Study area subject 1 WT 2010 (destatis; PAPI questionnaire)	
pTargetCATI	tg04001_g2	Classification study area sampling subject 1 WT 2010 (destatis; PAPI-quest.)	
pTargetCATI	tg04001_g4	ISCED-97 subject 1 WT 2010 (3 digits; PAPI questionnaire)	
pTargetCATI	tg04001_g5	ISCED-97 subject 1 WT 2010 (2 digits; PAPI questionnaire)	
pTargetCATI	tg04004_g1	Study area subject 2 WT 2010 (destatis; PAPI questionnaire)	
pTargetCATI	tg04004_g2	Classification study area sampling subject 2 WT 2010 (destatis; PAPI-quest.)	
pTargetCATI	tg04004_g4	ISCED-97 subject 2 WT 2010 (3 digits; PAPI questionnaire)	
pTargetCATI	tg04004_g5	ISCED-97 subject 2 WT 2010 (2 digits; PAPI questionnaire)	
pTargetCATI	tg04007_g1	Study area subject 3 WT 2010 (destatis; PAPI questionnaire)	

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)
pTargetCATI	tg04007_g2	Classification study area sampling subject 3 WT 2010 (destatis; PAPI-quest.)
pTargetCATI	tg04007_g4	ISCED-97 subject 3 WT 2010 (3 digits; PAPI questionnaire)
pTargetCATI	tg04007_g5	ISCED-97 subject 3 WT 2010 (2 digits; PAPI questionnaire)
pTargetCATI	tg04009_g2	Type of course of study: Subject group for interdisciplinarity
pTargetCATI	tg12001_g1	Study area desired subject 1 (destatis 2010/11), generated
pTargetCATI	tg12001_g2	Desired subject 1 (PAPI), generated
pTargetCATI	tg12002_g1	Desired subject 2 (destatis 2010/11)
pTargetCATI	tg13002	Alternative to studying, specific *
pTargetCATI	tg60020	T - Professional situation: school principal
pTargetCAWI	t242400_g1	Study area reference subject learning environment (destatis 2010/11)
pTargetCAWI	t242400_g1v1	AUX: study area Ref. subject questions about learn. env. (destatis 2010/11)
pTargetCAWI	t242400_g3	ISCED-97 reference subject learning environment (3-digit level)
pTargetCAWI	t242400_g3v1	AUX: ISCED-97 ref subject questions about learning environment (3-digit level)
pTargetCAWI	t242400_g4	ISCED-97 reference subject learning environment (2-digit level)
pTargetCAWI	t242400_g4v1	AUX: ISCED-97 ref subject questions about learning environment (2-digit level)
pTargetCAWI	t29173b_g1	Study area desired course of study Master (destatis 2010/11)
pTargetCAWI	t29173b_g3	ISCED-97 desired course of study Master (3-digit)
pTargetCAWI	t29173b_g4	ISCED-97 desired course of study Master (2-digit)
pTargetCAWI	t435030_g1	"Religion & religiousness: other religious community"
pTargetCAWI	t531011	Amount of tuition fees
pTargetCAWI	tg51311_g1	Study area subject 1 (destatis 2010/11)
pTargetCAWI	tg51311_g3	ISCED-97 subject 1 (3-digit level)
pTargetCAWI	tg51311_g4	ISCED-97 subject 1 (2-digit level)
pTargetCAWI	tg51321_g1	Study area subject 2 (destatis 2010/11)
pTargetCAWI	tg51321_g3	ISCED-97 subject 2 (3-digit level)
pTargetCAWI	tg51321_g4	ISCED-97 subject 2 (2-digit level)
pTargetCAWI	tg51331_g1	Study area subject 3 (destatis 2010/11)
pTargetCAWI	tg51331_g3	ISCED-97 subject 3 (3-digit level)
pTargetCAWI	tg51331_g4	ISCED-97 subject 3 (2-digit level)
pTargetCAWI	tg70002_g1	Preload: Study areas doctorate subject (destatis 2010/11)
pTargetCAWI	tg70002_g3	Preload: ISCED-97 doctorate subject (3-digit level)
pTargetCAWI	tg70002_g4	Preload: ISCED-97 doctorate subject (2-digit level)
pTargetCAWI	tg71111_g1	Study area doctorate subject (destatis 2010/11)
pTargetCAWI	tg71111_g3	ISCED-97 doctorate subject (3-digit level)
pTargetCAWI	tg71111_g4	ISCED-97 doctorate subject (2-digit level)
pTargetCAWI	tg71122_g1	Study area doctorate subject - updated (destatis 2010/11)
pTargetCAWI	tg71122_g3	ISCED-97 doctorate subject - updated (3-digit level)
pTargetCAWI	tg71122_g4	ISCED-97 doctorate subject - updated (2-digit level)
pTargetCORONA	tm00002	Impact: Coronavirus infection - myself
pTargetCORONA	tm00003	Impact: Coronavirus infection - household

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)
pTargetCORONA	tm00004	Impact: Coronavirus infection - relative
pTargetCORONA	tm00005	Impact: Coronavirus infection - friend/acquaintance
pTargetCORONA	tm00006	Impact: Coronavirus infection - colleague
pTargetCORONA	tm00008	Impact: Quarantine - myself
pTargetCORONA	tm00009	Impact: Quarantine - household
pTargetCORONA	tm00010	Impact: Quarantine - relative
pTargetCORONA	tm00011	Impact: Quarantine - friend/acquaintance
pTargetCORONA	tm00012	Impact: Quarantine - colleague
spVocTrain	tg24156_g1	Profession dual vocational training and degree program (KIdB 1988)
spVocTrain	tg24156_g14	Profession dual vocational training and degree program (ISEI-08)
spVocTrain	tg24156_g16	Profession dual vocational training and degree program (SIOPS-08)
spVocTrain	tg24156_g2	Profession dual vocational training and degree program (KIdB 2010)
spVocTrain	tg24156_g3	Profession dual vocational training and degree program (ISCO-88)
spVocTrain	tg24156_g4	Profession dual vocational training and degree program (ISCO-08)
spVocTrain	tg24156_g5	Profession dual vocational training and degree program (ISEI-88)
spVocTrain	tg24156_g6	Profession dual vocational training and degree program (SIOPS-88)
spVocTrain	tg24156_g7	Profession dual vocational training and degree program (MPS)
spVocTrain	tg24156_g9	Profession dual vocational training and degree program (BLK)
spVocTrain	tg24160_g1	Study area subject 1 (destatis 2010/11)
spVocTrain	tg24160_g3	ISCED-97 subject 1 (3-digit level)
spVocTrain	tg24160_g4	ISCED-97 subject 1 (2-digit level)
spVocTrain	tg24163_g1	Study area subject 2 (destatis 2010/11)
spVocTrain	tg24163_g3	ISCED-97 subject 2 (3-digit level)
spVocTrain	tg24163_g4	ISCED-97 subject 2 (2-digit level)
spVocTrain	tg24166_g1	Study area subject 3 (destatis 2010/11)
spVocTrain	tg24166_g3	ISCED-97 subject 3 (3-digit level)
spVocTrain	tg24166_g4	ISCED-97 subject 3 (2-digit level)
spVocTrain	tg24169_g1	Degree program (KIdB 1988)
spVocTrain	tg24169_g14	Degree program (ISEI-08)
spVocTrain	tg24169_g16	Degree program (SIOPS-08)
spVocTrain	tg24169_g2	Degree program (KIdB 2010)
spVocTrain	tg24169_g3	Degree program (ISCO-88)
spVocTrain	tg24169_g4	Degree program (ISCO-08)
spVocTrain	tg24169_g5	Degree program (ISEI-88)
spVocTrain	tg24169_g6	Degree program (SIOPS-88)
spVocTrain	tg24169_g7	Degree program (MPS)
spVocTrain	tg24169_g9	Degree program (BLK)
spVocTrain	tg24170_g1	Study area subject 1 (destatis 2010/11) generated
spVocTrain	tg24170_g3	ISCED-97 subject 1 (3-digit level) generated

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)
spVocTrain	tg24170_g4	ISCED-97 subject 1 (2-digit level) generated
spVocTrain	tg24173_g1	Study area subject 2 (destatis 2010/11) generated
spVocTrain	tg24173_g3	ISCED-97 subject 2 (3-digit level) generated
spVocTrain	tg24173_g4	ISCED-97 subject 2 (2-digit level) generated
spVocTrain	tg24176_g1	Study area subject 3 (destatis 2010/11) generated
spVocTrain	tg24176_g3	ISCED-97 subject 3 (3-digit level) generated
spVocTrain	tg24176_g4	ISCED-97 subject 3 (2-digit level) generated
xEcoCAPI	tg24160_g1	Study area subject 1 (destatis 2010/11)
xEcoCAPI	tg24160_g3	ISCED-97 subject 1 (3-digit level)
xEcoCAPI	tg24160_g4	ISCED-97 subject 1 (2-digit level)
xEcoCAPI	tg24163_g1	Study area subject 2 (destatis 2010/11)
xEcoCAPI	tg24163_g3	ISCED-97 subject 2 (3-digit level)
xEcoCAPI	tg24163_g4	ISCED-97 subject 2 (2-digit level)
xEcoCAPI	tg24166_g1	Study area subject 3 (destatis 2010/11)
xEcoCAPI	tg24166_g3	ISCED-97 subject 3 (3-digit level)
xEcoCAPI	tg24166_g4	ISCED-97 subject 3 (2-digit level)
xEcoCAPI	tg24169_g1	Degree program (KlDB 1988)
xEcoCAPI	tg24169_g14	Degree program (ISEI-08)
xEcoCAPI	tg24169_g16	Degree program (SIOPS-08)
xEcoCAPI	tg24169_g2	Degree program (KlDB 2010)
xEcoCAPI	tg24169_g3	Degree program (ISCO-88)
xEcoCAPI	tg24169_g4	Degree program (ISCO-08)
xEcoCAPI	tg24169_g5	Degree program (ISEI-88)
xEcoCAPI	tg24169_g6	Degree program (SIOPS-88)
xEcoCAPI	tg24169_g7	Degree program (MPS)
xEcoCAPI	tg24169_g9	Degree program (BLK)
xInstitution	tg91102	HEI region: BIK-region type
xInstitution	tg91103	HEI region: BIK-structure type
xInstitution	tg91104	HEI region: BIK-7 class of municipality size
xInstitution	tg91105	HEI region: BIK-10 class of municipality size
xInstitution	tg91106	HEI region: BBSR community type
xInstitution	tg91107	HEI region: BBSR district type
xInstitution	tg91108	HEI region: BBSR composite district type
xInstitution	tg91109	HEI region: BBSR basic region type
xInstitution	tg91110	HEI region: BBSR differentiated basic region type
xInstitution	tg91111	HEI region: Population density 2009 in the county
xInstitution	tg91112	HEI region: Population-employment-density 2009 in the county
xInstitution	tg91113	HEI region: Population density 2009 in the regional planning area
xInstitution	tg91114	HEI region: Population-employment-density 2009 in regional planning area
xInstitution	tg91201	HEI region: Unemployment rate 2009 in the county
xInstitution	tg91202	HEI region: Share long-term unemployed 2008 in the county
xInstitution	tg91203	HEI region: Share low-skilled employees 2009 in the county
xInstitution	tg91204	HEI region: Share high-skilled employees 2009 in the county

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
xInstitution	tg91301	HEI region: Share Pop. over 15 y. with univ. degree 2009 in NUTS2 region	*
xInstitution	tg91401	HEI region: Gross domestic product per inhabitant 2009 in the county	*
xInstitution	tg91402	HEI region: monthly household income 2009 in the county	*
xInstitution	tg91403	HEI region: Community debts per inhabitant 2009 in the county	*
xInstitution	tg91502	HEI region: Western Germany/Eastern Germany/Berlin	
xInstitution	tg91601	HEI region: Share employees in FuE 2007 in the county	*
xInstitution	tg91602	HEI region: Share employees in secondary sector 2009 in the county	*
xInstitution	tg91603	HEI region: Share employees in the tertiary sector 2009 in county	*
xInstitution	tg91604	HEI region: Service rate 2009 in the county	*
xInstitution	tg91605	HEI region: Share employees enterprise rel. services 2009 in county	*
xInstitution	tg91606	HEI region: Share employees in creative sectors 2009 in the county	*
xInstitution	tg91607	HEI region: Ave Nr. Empl. in agriculture/wood/fishing 2009 in the county	*
xInstitution	tg91608	HEI region: Ave Nr Empl in manuf./building industry 2009 in the county	*
xInstitution	tg91609	HEI region: Ave. Nr. Empl. in building industry 2009 in the county	*
xInstitution	tg91610	HEI region: Ave. Nr. Empl. in trade/customer/traffic 2009 in the county	*
xInstitution	tg91611	HEI region: Ave. Nr. Empl. in finance/renting/business 2009 in the county	*
xInstitution	tg91612	HEI region: Ave. Nr. Empl. in public/private services 2009 in the county	*
xInstitution	tg91613	HEI region: Nr. of current businesses with 0-9 empl. 2009 in the county	*
xInstitution	tg91614	HEI region: Nr. of current businesses with 10-49 empl. 2009 in the county	*
xInstitution	tg91615	HEI region: Nr. of current businesses with 50-249 empl. 2009 in county	*
xInstitution	tg91616	HEI region: Nr. of current businesses with 250+ empl. 2009 in county	*
xInstitution	tg92101	HEI: Nomination Future concept 2006 or 2007	*
xInstitution	tg92102	HEI: Winner Future concept 2006 or 2007	*
xInstitution	tg92103	HEI: Nomination Cluster of excellence 2006 or 2007	*
xInstitution	tg92104	HEI: Winner Cluster of excellence 2006 or 2007	*
xInstitution	tg92105	HEI: Nomination Graduate school 2006 or 2007	*
xInstitution	tg92106	HEI: Winner Graduate school 2006 or 2007	*
xInstitution	tg92301	HEI: Funding body	*
xInstitution	tg92401	HEI: Type of higher education institution	*
xInstitution	tg92501	HEI: Finalist Excellent teaching 2009	*
xInstitution	tg92502	HEI: Winner Excellent teaching 2009	*
xInstitution	tg92601	HEI: Students 2010 total	*

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
xInstitution	tg92602	HEI: First-year students 2010 (1st semester) total	*
xInstitution	tg92701	HEI: Students 2010: Germans	*
xInstitution	tg92702	HEI: Students 2010: Non-German residents	*
xInstitution	tg92703	HEI: Students 2010: Foreign students	*
xInstitution	tg92704	HEI: Students 2010: male	*
xInstitution	tg92705	HEI: Students 2010: female	*
xInstitution	tg92706	HEI: First-year students 2010 (1st semester): Germans	*
xInstitution	tg92707	HEI: First-year students 2010 (1st semester): Non-German residents	*
xInstitution	tg92708	HEI: First-year students 2010 (1st semester): Foreign students	*
xInstitution	tg92709	HEI: First-year students 2010 (1st semester): male	*
xInstitution	tg92710	HEI: First-year students 2010 (1st semester): female	*
xInstitution	tg92801	HEI: Students 2010: Subject group Sports/language/cultural sciences	*
xInstitution	tg92802	HEI: Students 2010: Subject group Law	*
xInstitution	tg92803	HEI: Students 2010: Subject group Economics	*
xInstitution	tg92804	HEI: Students 2010: Subject group Social sciences	*
xInstitution	tg92805	HEI: Students 2010: Subject group Mathematics/natural science	*
xInstitution	tg92806	HEI: Students 2010: Subject group Medicine/health science	*
xInstitution	tg92807	HEI: Students 2010: Subject group Veterinary/agricult./forestry/nutrition	*
xInstitution	tg92808	HEI: Students 2010: Subject group engineering	*
xInstitution	tg92809	HEI: Students 2010: Subject group Art/fine arts	*
xInstitution	tg92810	HEI: Students 2010: other subjects	*
xInstitution	tg93101	SG: Students 2010	*
xInstitution	tg93102	SG: Beginning students 2010 (1st semester) 2010	*
xInstitution	tg93201	SG: Students 2010: Germans	*
xInstitution	tg93202	SG: Students 2010: Educational residents	*
xInstitution	tg93203	SG: Students 2010: Foreign students	*
xInstitution	tg93204	SG: Students 2010: male	*
xInstitution	tg93205	SG: Students 2010: female	*
xInstitution	tg93206	SG: Beginning students 2010 (1st semester): Germans	*
xInstitution	tg93207	SG: Beginning students 2010 (1st semester): Educational residents	*
xInstitution	tg93208	SG: Beginning students 2010 (1st semester): Foreign students	*
xInstitution	tg93209	SG: Beginning students 2010 (1st semester): male	*
xInstitution	tg93210	SG: Beginning students 2010 (1st semester): female	*
xInstitution	tg93301	SG: Regular basic funding 2010	*
xInstitution	tg93302	SG: Third-party fund. for teaching and research total 2010	*
xInstitution	tg93401	SG: Nr. professors	*
xInstitution	tg93402	SG: Nr. professors: male	*
xInstitution	tg93403	SG: Nr. professors: female	*
xInstitution	tg93404	SG: FTE professors	*
xInstitution	tg93405	SG: FTE professors: male	*
xInstitution	tg93406	SG: FTE professors: female	*

(...)



Table 7: (continued)

file	variable	label (*only available OnSite)	
xInstitution	tg93407	SG: Nr. lecturers/assistants/scien./art. staff	*
xInstitution	tg93408	SG: Nr. lecturers/assistants/scien./art. staff: male	*
xInstitution	tg93409	SG: Nr. lecturers/assistants/scien./art. staff: female	*
xInstitution	tg93410	SG: FTE lecturers/assistants/scien./art. staff	*
xInstitution	tg93411	SG: FTE lecturers/assistants/scien./art. staff: male	*
xInstitution	tg93412	SG: FTE lecturers/assistants/scien./art. staff: female	*
xInstitution	tg93413	SG: Nr. lecturers/assistants/scien./art. staff without third-party fund.	*
xInstitution	tg93414	SG: Nr. lecturers/assistants/scien./art. staff without third-party fund.: male	*
xInstitution	tg93415	SG: Nr. lecturers/assistants/scien./art. staff without third-party fund.: female	*
xInstitution	tg93416	SG: FTE lecturers/assistants/scien./art. staff without third-party fund.	*
xInstitution	tg93417	SG: FTE lecturers/assistants/scien./art. staff without third-party fund.: male	*
xInstitution	tg93418	SG: FTE lecturers/assistants/scien./art. staff without third-party fund.: female	*
xInstitution	tg93419	SG: Nr. teaching staff for special tasks	*
xInstitution	tg93420	SG: Nr. teaching staff for special tasks: male	*
xInstitution	tg93421	SG: Nr. teaching staff for special tasks: female	*
xInstitution	tg93422	SG: FTE teaching staff for special tasks	*
xInstitution	tg93423	SG: FTE teaching staff for special tasks: male	*
xInstitution	tg93424	SG: FTE teaching staff for special tasks: female	*
xInstitution	tg93425	SG: Nr. part-time lecturers	*
xInstitution	tg93426	SG: Nr. part-time lecturers: male	*
xInstitution	tg93427	SG: Nr. part-time lecturers: female	*
xInstitution	tg93428	SG: FTE part-time lecturers	*
xInstitution	tg93429	SG: FTE part-time lecturers: male	*
xInstitution	tg93430	SG: FTE part-time lecturers: female	*
xInstitution	tg93501	SG: Third-party fund. per prof.	*
xInstitution	tg93601	SG: Students per professor	*
xInstitution	tg93602	SG: Students per lectur./assis./scien./art. staff without third-party fund. (FT)	*
pTargetMicrom			*
xInstitution			*

### A.2 Recoding of countries/languages/nationalities

The following tables summarize the complete recoding procedure of countries and languages/-nationalities. Each category of the aggregated version (bold) is followed by all entries which have been subsumed to it. All entries are sorted according to their numeric code.

**Table 8:** Complete recoding map of all countries

country	
-23	<b>parent not known</b>
-21	<b>Germany and foreign country, not codeable</b>
-20	<b>Foreign country, but not codeable</b> [9005] Kurdish areas, [9991] German-speaking country abroad, [9992] English-speaking country abroad, [9993] Spanish-speaking country abroad
1	<b>Germany</b> [0] Germany
2	<b>Italy</b> [137] Italy
3	<b>Poland</b> [152] Poland
4	<b>Romania</b> [154] Romania
5	<b>Turkey</b> [163] Turkey
6	<b>Former Yugoslavia</b> [120] Yugoslavia, [122] Bosnia and Herzegovina, [130] Croatia, [131] Slovenia, [132] Serbia and Montenegro, [138] Yugoslavia, Federal Republic of, [140] Montenegro, [144] Macedonia, [150] Kosovo, [170] Serbia
7	<b>Former Soviet Union</b> [127] Estonia, [139] Latvia, [142] Lithuania, [146] Moldova, Republic of, [159] Soviet Union, [160] Russian Federation, [166] Ukraine, [169] Belarus, [422] Armenia, [425] Azerbaijan, [430] Georgia, [444] Kazakhstan, [450] Kyrgyzstan, [470] Tajikistan, [471] Turkmenistan, [477] Uzbekistan
8	<b>Central and South America, Caribbean</b> [320] Antigua and Barbuda, [322] Barbados, [323] Argentina, [324] Bahamas, [326] Bolivia, Plurinational State of, [327] Brazil, [328] Guyana, [330] Belize, [332] Chile, [333] Dominica, [334] Costa Rica, [335] Dominican Republic, [336] Ecuador, [337] El Salvador, [340] Grenada, [345] Guatemala, [346] Haiti, [347] Honduras, [349] Colombia, [351] Cuba, [353] Mexico, [354] Nicaragua, [355] Jamaica, [357] Panama, [359] Paraguay, [361] Peru, [364] Suriname, [365] Uruguay, [366] Saint Lucia, [367] Venezuela, Bolivarian Republic of, [369] Saint Vincent and the Grenadines, [370] Saint Kitts and Nevis, [371] Trinidad and Tobago
9	<b>Northern and Western Europe</b> [124] Belgium, [126] Denmark, [128] Finland, [129] France, [135] Ireland, [136] Iceland, [141] Liechtenstein, [143] Luxembourg, [147] Monaco, [148] Netherlands, [149] Norway, [151] Austria, [157] Sweden, [158] Switzerland, [168] United Kingdom, [193] Norwegian dependent territories in Europe, [195] British dependent territories in Europe, [196] Danish dependent territories in Europe, [295] British dependent territories in Africa, [298] French dependent territories in Africa, [392] Dutch dependent territories in America, [395] British dependent territories in America, [396] Danish dependent territories in America, [398] French dependent territories in America, [495] British dependent territories in Asia, [593] Norwegian dependent territories in Australia, Oceania, Antarctica, [595] British dependent territories in Australia, Oceania, Antarctica, [598] French dependent territories in Australia, Oceania, Antarctica
10	<b>North America</b>

(...)

Table 8: (continued)

country	
	[348] Canada, [368] United States, [391] US dependent territories in America, [591] US dependent territories in Australia, Oceania, Antarctica
11	<b>Oceania/Polynesia</b> [523] Australia, [524] Solomon Islands, [526] Fiji, [527] Cook Islands, [530] Kiribati, [531] Nauru, [532] Vanuatu, [533] Niue, [536] New Zealand, [537] Palau, [538] Papua New Guinea, [540] Tuvalu, [541] Tonga, [543] Samoa, [544] Marshall Islands, [545] Micronesia, Federated States of, [590] New Zealand's dependent territories in Australia, Oceania, Antarctica, [594] Australian dependent territories in Australia, Oceania, Antarctica
12	<b>Other Middle East and North Africa</b> [221] Algeria, [248] Libya, [252] Morocco, [285] Tunisia, [287] Egypt, [421] Yemen, [424] Bahrain, [438] Iraq, [439] Iran, Islamic Republic of, [441] Israel, [445] Jordan, [447] Qatar, [448] Kuwait, [451] Lebanon, [456] Oman, [469] United Arab Emirates, [472] Saudi Arabia, [475] Syrian Arab Republic, [499] other Asia
13	<b>Other Africa</b> [223] Angola, [224] Eritrea, [225] Ethiopia, [226] Lesotho, [227] Botswana, [229] Benin, [230] Djibouti, [231] Côte d'Ivoire, [232] Nigeria, [233] Zimbabwe, [236] Gabon, [237] Gambia, [238] Ghana, [239] Mauritania, [242] Cape Verde, [243] Kenya, [244] Comoros, [245] Congo, [246] Congo, the Democratic Republic of the, [247] Liberia, [249] Madagascar, [251] Mali, [253] Mauritius, [254] Mozambique, [255] Niger, [256] Malawi, [257] Zambia, [258] Burkina Faso, [259] Guinea-Bissau, [261] Guinea, [262] Cameroon, [263] South Africa, [265] Rwanda, [267] Namibia, [268] Sao Tome and Principe, [269] Senegal, [271] Seychelles, [272] Sierra Leone, [273] Somalia, [274] Equatorial Guinea, [276] Sudan, [281] Swaziland, [282] Tanzania, United Republic of, [283] Togo, [284] Chad, [286] Uganda, [289] Central African Republic, [291] Burundi
14	<b>Other Asia</b> [423] Afghanistan, [426] Bhutan, [427] Myanmar, [429] Brunei Darussalam, [431] Sri Lanka, [432] Vietnam, [434] Korea, Democratic People's Republic of, [436] India, [437] Indonesia, [442] Japan, [446] Cambodia, [449] Lao People's Democratic Republic of, [454] Maldives, [457] Mongolia, [458] Nepal, [460] Bangladesh, [461] Pakistan, [462] Philippines, [465] Taiwan, Province of China, [467] Korea, Republic of, [474] Singapore, [476] Thailand, [479] China, [482] Malaysia, [483] Timor-Leste, Democratic Republic of
15	<b>Other Central and Eastern Europe</b> [125] Bulgaria, [155] Slovakia, [162] Czechoslovakia, [164] Czech Republic, [165] Hungary
16	<b>Other Southern Europe</b> [121] Albania, [123] Andorra, [134] Greece, [145] Malta, [153] Portugal, [156] San Marino, [161] Spain, [167] Holy See (Vatican City State), [181] Cyprus, [297] Spanish dependent territories in Africa
17	<b>Other</b> [996] unknown foreign countries

**Table 9:** Complete recoding map of all languages/nationalities

language/nationality	
1	<b>Arabic</b> [1011801] Arabic
2	<b>Bosnian</b> [1021519] Bosnian
3	<b>Bulgarian</b> [1022112] Bulgarian
4	<b>German</b> [1070518] German, [1140419] Low German; Low Saxon; German, Low; Saxon, Low
5	<b>English</b> [1051407] English
6	<b>French</b> [1061805] French
7	<b>Greek</b> [1071803] Greek, Ancient (to 1453), [1071805] Greek, Modern (1453-)
8	<b>Italian</b> [1092001] Italian
9	<b>Croatian</b> [1081822] Croatian
10	<b>Kurdish</b> [1112118] Kurdish
11	<b>Polish</b> [1161512] Polish
12	<b>Portuguese</b> [1161518] Portuguese
13	<b>Russian</b> [1182119] Russian
14	<b>Romanian</b> [1182113] Romanian; Moldavian; Moldovan
15	<b>Serbian</b> [1191816] Serbian
16	<b>Spanish</b> [1191601] Spanish; Castilian
17	<b>Turkish</b> [1202118] Turkish
18	<b>Vietnamese</b> [1220905] Vietnamese
19	<b>Asian languages</b> [1010305] Achinese, [1011111] Akkadian, [1011803] Official Aramaic (700-300 BCE); Imperial Aramaic (700-300 BCE), [1011913] Assamese, [1012205] Avestan, [1012301] Awadhi, [1020112] Baluchi, [1020114] Balinese, [1020514] Bengali, [1020815] Bhojpuri, [1020908] Bihari languages, [1020911] Bikol, [1021801] Braj, [1022011] Batak languages, [1022101] Buriat, [1022107] Buginese, [1022118] Burmese

(...)

Table 9: (continued)

language/nationality
, [1030502] Cebuano, [1030807] Chagatai, [1030809] Chinese, [1030811] Chuukese, [1031303] Chamic languages, [1040125] Land Dayak languages, [1040922] Divehi; Dhivehi; Maldivian, [1041509] Dogri, [1042615] Dzongkha, [1051224] Elamite, [1060912] Filipino; Pilipino, [1070125] Gayo, [1071514] Gondi, [1072110] Gujarati, [1080502] Hebrew, [1080912] Hiligaynon, [1080913] Himachali languages; Western Pahari languages, [1080914] Hindi, [1080920] Hittite, [1081314] Hmong; Mong, [1090201] Iban, [1091215] Iloko, [1091404] Indonesian, [1100122] Javanese, [1101614] Japanese, [1101618] Judeo-Persian, [1101802] Judeo-Arabic, [1110101] Kara-Kalpak, [1110103] Kachin; Jingpho, [1110114] Kannada, [1110118] Karen languages, [1110119] Kashmiri, [1110123] Kawi, [1110126] Kazakh, [1110801] Khasi, [1110813] Central Khmer, [1110815] Khotanese; Sakan, [1110918] Kirghiz; Kyrgyz, [1111511] Konkani, [1111518] Korean, [1111821] Kurukh, [1112113] Kумык, [1120108] Lahnda, [1120115] Lao, [1120526] Lezghian, [1122119] Lushai, [1130104] Madurese, [1130107] Magahi, [1130109] Maithili, [1130111] Makasar, [1130112] Malayalam, [1130118] Marathi, [1130125] Malay, [1130418] Mandarin, [1130914] Minangkabau, [1131403] Manchu, [1131409] Manipuri, [1131415] Manobo languages, [1131514] Mongolian, [1132114] Munda languages, [1132318] Marwari, [1140516] Nepali, [1140523] Nepal Bhasa; Newari, [1140901] Nias, [1151809] Oriya, [1151919] Ossetian; Ossetic, [1152001] Turkish, Ottoman (1500-1928), [1160107] Pangasinan, [1160113] Pampanga; Kapampangan, [1160114] Panjabi; Punjabi, [1160515] Persian, Old (ca.600-400 B.C.), [1160518] Persian, [1160814] Phoenician, [1161209] Pali, [1161514] Pohnpeian, [1161801] Prakrit languages, [1162119] Pushto; Pashto, [1180110] Rajasthani, [1190108] Yakut, [1190113] Samaritan Aramaic, [1190114] Sanskrit, [1190119] Sasak, [1190120] Santali, [1190512] Selkup, [1190814] Shan, [1190914] Sinhala; Sinhalese, [1191404] Sindhi, [1191507] Sogdian, [1192114] Sundanese, [1192124] Sumerian, [1192503] Classical Syriac, [1200113] Tamil, [1200120] Tatar, [1200512] Telugu, [1200520] Tetum, [1200711] Tajik, [1200712] Tagalog, [1200801] Thai, [1200902] Tibetan, [1202111] Turkmen, [1202522] Tuvinian, [1210701] Ugaritic, [1210907] Uighur; Uyghur, [1211804] Urdu, [1212602] Uzbek, [1230118] Waray, [1250116] Yapese, [1260801] Zhuang; Chuang
<b>20 African languages</b>
[1010118] Afar, [1010308] Acoli, [1010401] Adangme, [1010608] Afrihili, [1010618] Afrikaans, [1011101] Akan, [1011308] Amharic, [1020104] Banda languages, [1020109] Bamileke languages, [1020113] Bambara, [1020119] Basa, [1020510] Beja; Bedawiyet, [1020513] Bemba, [1020518] Berber languages, [1020914] Bini; Edo, [1021420] Bantu (Other), [1031516] Coptic, [1040914] Dinka, [1042101] Duala, [1042521] Dyula, [1050609] Efik, [1050725] Egyptian (Ancient), [1051101] Ekajuk, [1052305] Ewe, [1052315] Ewondo, [1060114] Fang, [1060120] Fanti, [1061514] Fon, [1062112] Fulah, [1070101] Ga, [1070201] Gbaya, [1070526] Geez, [1071802] Grebo, [1080121] Hausa, [1080518] Herero, [1090215] Igbo, [1091015] Ijo languages, [1091405] Indo-European languages, [1110102] Kabyle, [1110113] Kamba, [1110121] Kanuri, [1110911] Kikuyu; Gikuyu, [1110914] Kinyarwanda, [1111302] Kimbundu, [1111514] Kongo, [1111605] Kpelle, [1111815] Kru languages, [1112101] Kuanyama; Kwanyama, [1120113] Lamba, [1120914] Lingala, [1121512] Mongo, [1121526] Lozi, [1122101] Luba-Lulua, [1122102] Luba-Katanga, [1122107] Ganda, [1122114] Lunda, [1122115] Luo (Kenya and Tanzania), [1130114] Mandingo, [1130119] Masai, [1130514] Mende, [1131207] Malagasy, [1131519] Mossi, [1140212] Ndebele, South; South Ndebele, [1140405] Ndebele, North; North Ndebele, [1140415] Ndonga, [1141915] Pedi; Sepedi; Northern Sotho, [1142501] Chichewa; Chewa; Nyanja, [1142513] Nyamwezi, [1142514] Nyankole, [1142515] Nyoro, [1142609] Nzima, [1151813] Oromo, [1182114] Rundi, [1190104] Sandawe, [1190107] Sango, [1190904] Sidamo, [1191201] Slavic languages, [1191401] Shona, [1191411] Soninke, [1191513] Somali, [1191514] Songhai languages, [1191520] Sotho, Southern, [1191818] Serer, [1191923] Swati, [1192111] Sukuma, [1192119] Susu, [1192301] Swahili, [1200513] Timne, [1200907] Tigre, [1200918] Tigrinya, [1200922] Tiv, [1201308] Tamashek, [1201507] Tonga (Nyasa), [1201914] Tswana, [1201915] Tsonga, [1202113] Tumbuka, [1202309] Twi, [1211302] Umbundu, [1220109] Vai, [1220514] Venda, [1230112] Walamo, [1231512] Wolof, [1240815] Xhosa, [1250115] Yao, [1251518] Yoruba, [1260514] Zenaga, [1261404] Zande languages, [1262112] Zulu
(...)

Table 9: (continued)

	language/nationality
21	<p><b>Other languages</b></p> <p>[1010211] Abkhazian, [1011202] Albanian, [1011205] Aleut, [1011207] Algonquian languages, [1011407] English, Old (ca.450-1100), [1011601] Apache languages, [1011807] Aragonese, [1011813] Armenian, [1011814] Mapudungun; Mapuche, [1011816] Arapaho, [1011823] Arawak, [1012008] Athapascan languages, [1012119] Australian languages, [1012201] Avaric, [1012513] Aymara, [1012605] Azerbaijani, [1020111] Bashkir, [1020117] Basque, [1020512] Belarusian, [1020919] Bislama, [1021201] Siksika, [1021805] Breton, [1030104] Caddo, [1030118] Galibi Carib, [1030120] Catalan; Valencian, [1030121] Caucasian languages, [1030801] Chamorro, [1030802] Chibcha, [1030805] Chechen, [1030813] Mari, [1030814] Chinook jargon, [1030815] Choctaw, [1030816] Chipewyan; Dene Suline, [1030818] Cherokee, [1030821] Church Slavonic; Old Slavonic; Church Slavonic; Old Bulgarian; Old Church Slavonic, [1030822] Chuvash, [1030825] Cheyenne, [1031518] Cornish, [1031519] Corsican, [1031605] Creoles and pidgins, English based, [1031805] Cree, [1031816] Creoles and pidgins, [1032605] Czech, [1040111] Dakota, [1040114] Danish, [1040512] Delaware, [1040718] Dogrib, [1042113] Dutch, Middle (ca.1050-1350), [1042120] Dutch; Flemish, [1051413] English, Middle (1100-1500), [1051615] Esperanto, [1051920] Estonian, [1060115] Faroese, [1060910] Fijian, [1060914] Finnish, [1061813] French, Middle (ca.1400-1600), [1061815] French, Old (842-ca.1400), [1061825] Western Frisian, [1062118] Friulian, [1070515] Georgian, [1070912] Gilbertese, [1071201] Gaelic; Scottish Gaelic, [1071205] Irish, [1071207] Galician, [1071222] Manx, [1071308] German, Middle High (ca.1050-1500), [1071508] German, Old High (ca.750-1050), [1071518] Gorontalo, [1071520] Gothic, [1071814] Guarani, [1072309] Gwich'in, [1080109] Haida, [1080120] Haitian; Haitian Creole, [1080123] Hawaiian, [1081315] Hiri Motu, [1082114] Hungarian, [1082116] Hupa, [1090305] Icelandic, [1090415] Ido, [1091121] Inuktitut, [1091205] Interlingue; Occidental, [1091401] Interlingua (International Auxiliary Language Association), [1091611] Inupiaq, [1091815] Iroquoian languages, [1110112] Kalaallisut; Greenlandic, [1111513] Komi, [1111519] Kosraean, [1112120] Kutenai, [1120104] Ladino, [1120120] Latin, [1120122] Latvian, [1120913] Limburgan; Limburger; Limburgish, [1120920] Lithuanian, [1122026] Luxembourgish; Letzeburgesch, [1122109] Luiseno, [1130103] Macedonian, [1130108] Marshallese, [1130115] Maori, [1130701] Irish, Middle (900-1200), [1130903] Mi&amp;apos;kmaq; Micmac, [1131220] Maltese, [1131508] Mohawk, [1132119] Creek, [1132514] Mayan languages, [1140108] Nahuatl languages, [1140121] Nauru, [1140122] Navajo; Navaho, [1140903] Niger-Kordofanian languages, [1140921] Niuean, [1141415] Norwegian Nynorsk; Nynorsk, Norwegian, [1141502] Bokmål, Norwegian; Norwegian Bokmål, [1141514] Norse, Old, [1141518] Norwegian, [1150309] Occitan (post 1500); Provençal, [1151009] Ojibwa, [1151901] Osage, [1152015] Otomian languages, [1160112] Pahlavi, [1160116] Papiamentu, [1160121] Palauan, [1161815] Provençal, Old (to 1500), [1172105] Quechua, [1180116] Rapanui, [1180118] Rarotongan; Cook Islands Maori, [1181508] Romansh, [1181513] Romany, [1190112] Salishan languages, [1190315] Scots, [1190701] Irish, Old (to 900), [1190915] Siouan languages, [1191215] Slovak, [1191222] Slovenian, [1191305] Northern Sami, [1191309] Sami languages, [1191315] Samoan, [1191804] Sardinian, [1192305] Swedish, [1200108] Tahitian, [1200518] Tereno, [1201112] Tokelau, [1201209] Tlingit, [1201514] Tonga (Tonga Islands), [1201609] Tok Pisin, [1201909] Tsimshian, [1202120] Altaic languages, [1202212] Tuvalu, [1211118] Ukrainian, [1221512] Volapük, [1221520] Votic, [1230111] Wakashan languages, [1230119] Washo, [1230512] Welsh, [1230514] Sorbian languages, [1231214] Walloon, [1250904] Yiddish, [1251611] Yupik languages, [1260116] Zapotec, [1262114] Zuni, [1262601] Zaza; Dimili; Dimli; Kirdki; Kirmanjki; Zazaki</p>

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