NEPS
National Educational Panel Study

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Anonymization Procedures

NEPS Starting Cohort 4 — Grade 9
School and Vocational Training

Scientific Use File Version 15.0.0

LIfBi

**LEIBNIZ INSTITUTE FOR
EDUCATIONAL TRAJECTORIES**

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) 4, version 15.0.0 (doi:10.5157/NEPS:SC4:15.0.0). 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. 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 > Data Center > Data and Documentation > Starting Cohort
  Grade 9 > 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.

- 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 LIfBi 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[1], 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.

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1 'hazardous' in terms of: the downloaded content is no longer under physical control of the LIfBi

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.
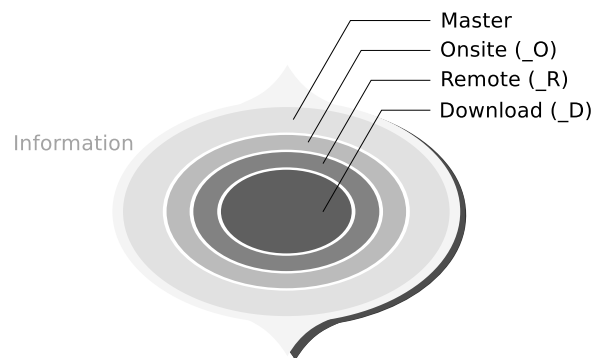

Master
Onsite (_O)
Remote (_R)
Download (_D)
Information

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 556 out of 9488 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[1]	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

[1] 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
FurtherEducation	tx28202	Course content
TargetMethods	tf80506	Open draw prize

(...)

Table 2: (continued)

file	variable	label
pInstitution	h22131x	School: all-day programs: other, text 1
pInstitution	h22131y	School: all-day programs: other, text 2
pInstitution	h22131z	School: all-day programs: other, text 3
pInstitution	h22202t	School: quality: other, text
pInstitution	h227011	School: full-time teachers school subject: other school subjects, text1
pInstitution	h227012	School: full-time teachers school subject: other school subjects, text2
pInstitution	h227013	School: full-time teachers school subject: other school subjects, text3
pInstitution	h229003	School: approach: educational, text
pInstitution	h229005	School: approach: promotion, text
pInstitution	h229007	School: approach: integration, text
pInstitution	h229009	School: approach: other, text
pInstitution	h22901t	School: profile: other, text
pInstitution	h41700a	Other remedial measures, other
pInstitution	h41702a	Parent training programs, migration, other
pInstitution	h41704a	Teacher training programs, migration, other
pParent	p19020j	Special needs OPEN
pParent	p26210t	Parents: tutoring, other subject (open)
pParent	p296402	Wish: What profession should TC learn
pParent	p401001	Immigration status partner other
pParent	p731803	Highest educational qualification Respondent, type open
pParent	p731814	Professional qualification Respondent (open)
pParent	p731817	Type Tertiary qualification Respondent (open)
pParent	p731853	Highest educational qualification Partner, type open
pParent	p731864	Professional qualification Partner (open)
pParent	p731867	Type Tertiary qualification Partner (open)
pTarget	t22260t	School involvement: other, text
pTarget	t26212a	Student: Subject 1
pTarget	t26212b	Student: Subject 2
pTarget	t26212c	Student: Subject 3
pTarget	t268111	Student: Tutoring Location somewhere else, text
pTarget	t27111t	Courses outside school: other courses (open)
pTarget	t27270h	Student: Participation organization/ group: other, text
pTarget	t31060a	Idealistic career aspirations: career aspiration
pTarget	t31160a	Realistic career aspirations: career aspiration
pTarget	t428350	Self-description sense of belonging
pTarget	t516202	Party election (another party)
pTarget	t53131e	Information possibilities of study support- open
pTarget	t53132h	Expected study financing: open
pTarget	t66505a	Goal orientation: Work/vocational training
pTarget	t66506a	Goal orientation: Private/family
pTarget	td0026x	Favorite subject

(...)

Table 2: (continued)

file	variable	label
pTarget	te05017	Idealistic educ. aspiration - higher ed. inst. type - other, namely
pTarget	te05025	Idealistic educ. aspiration - type of vocational training, open
pTarget	te06010	Idealistic aspiration study subject
pTarget	te06020	Idealistic aspiration study subject combination subject
pTarget	te08010	Training profession
pTarget	te09017	Realistic educational aspiration - higher ed. type - other namely
pTarget	te09025	Realistic educational aspiration - voc. train. type - something else, namely
pTarget	te10010	Realistic aspiration: study subject
pTarget	te10020	Realistic aspiration: study subject combination subject
pTarget	te11010	Realistic educational aspiration: vocational training
pTarget	te14020	1st additional subject at advanced requirement level
pTarget	te14030	2nd additional subject at advanced requirement level
pTarget	te14040	3rd additional subject at advanced requirement level
pTarget	te14050	4th additional subject at advanced requirement level
pTarget	te16010	1st examination subject
pTarget	te16020	2nd examination subject
pTarget	te16030	3rd examination subject
pTarget	te16040	4th examination subject
pTarget	te16050	5th examination subject
pTarget	tf00070	First career aspiration
pTarget	tf0013b	Second career aspiration indication
pTarget	tf00260	Application Profession 1
pTarget	tf0029b	Application Profession 2
pTargetCATI	t272800	Trade fair/congress: content
pTargetCATI	t272801	Specialist lecture: content
pTargetCATI	t272804	Self-study program: content
pTargetCATI	t272805	Online learning: content
pTargetCATI	t272806	Counseling services: content
pTargetCATI	t405531	Immigration status other
pTargetCATI	t414001	First language/mother tongue Target (open)
pTargetCATI	t414003	Further first language/mother tongue Target (list)
pTargetCATI	t43202o	Characteristics of external ascription: other (open)
pTargetCATI	tf13306	Vocational preparation application profession
pTargetCATI	tf24540	Text Selected occupation
pTargetCATI	tf62077_v1	Reasons for not searching 7: Other, open
pTargetCATI	tf62108	Reasons for not applying 8: Other, open
pTargetCATI	th18021	Other learning material: open
pTargetCATI	th18021_v1	Other learning material: open (temp. drop-out)
pTargetCATI	th18047	Changed learning opportunities during school closure: other open
pTargetCATI	th18047_v1	Changed learning opport. during school closure: other open (temp. drop-out)

(...)

Table 2: (continued)

file	variable	label
pTargetCATI	th18051	Information higher education institution: open
pTargetCATI	th18051_v1	Information higher education institution: open (temp. drop-out)
pTargetCATI	th24539	Text selected occupation (HV h_etauswahl 65kJM(SC3)/26fET(SC4,SC6))
pTargetCAWI	t29172n	Admission Master's program: other open
pTargetCAWI	t29175i	other information and qualification possibilities, open
pTargetCAWI	t29186m	other sources of information, open
pTargetCAWI	t531229	other source of finance, open
pTargetCAWI	t66505a	Goal orientation: Work/vocational training
pTargetCAWI	t66506a	Goal orientation: Private/family
pTargetCAWI	tg5120s	Study organization semester/trimester, open
pTargetCAWI	tg7991f	Type of job: other - open
spChild	ts33211	Other status of employment child (open)
spCourses	t272011_w1	Course content
spCourses	t272011_w2	Course content
spCourses	t272011_w3	Course content
spCourses	t272011_w4	Course content
spCourses	t272011_w5	Course content
spCourses	t272044_w1	Type certificate
spCourses	t272044_w2	Type certificate
spCourses	t272044_w3	Type certificate
spCourses	t272044_w4	Type certificate
spCourses	t272044_w5	Type certificate
spFurtherEdu1	t272000	Course content
spFurtherEdu1	t272044	Type certificate
spGap	ts29102	other activity
spMilitary	ts21401	Other voluntary service (25108a)
spParentGap	ps29102	other activity
spParentSchool	p723090	Type of school (open)
spPartner	ts30002	Subject area Partner
spPartner	ts30003	Subject area Partner
spPartner	ts30004	Subject area Partner
spPartner	ts30005	Subject area Current vocational training Partner
spPartner	ts30006	Subject area Current vocational training Partner
spPartner	ts30007	Subject area Current vocational training Partner
spPartner	ts31213	other school-leaving qualification partner
spPartner	ts31215	Other vocational qualification partner (open)
spPartner	ts31216	Other educational institution Partner (open)
spPartner	ts31218	Other higher education qualification partner (open)
spPartner	ts31220	Other institution awarding higher education degree Partner (open)
spSchool	ts11206	other type of school
spSchool	ts11212	other school-leaving qualification
spSchool	ts11217	other intended school-leaving qualification

(...)

Table 2: (continued)

file	variable	label
spSchool	ts11251	1st Abitur subject, open
spSchool	ts11252	2nd Abitur subject, open
spSchool	ts11253	3rd Abitur subject, open
spSchool	ts11254	4th Abitur subject, open
spSchool	ts11255	5th Abitur subject, open
spSchoolExtExam	ts11305	Awarded other school-leaving qualification
spSchoolExtExam	ts11324	1st Abitur subject (awarded qualification), open
spSchoolExtExam	ts11325	2nd Abitur subject (awarded qualification), open
spSchoolExtExam	ts11326	3rd Abitur subject (awarded qualification), open
spSchoolExtExam	ts11327	4th Abitur subject (awarded qualification), open
spSchoolExtExam	ts11328	5th Abitur subject (awarded qualification), open
spVocExtExam	ts15305	Other external examination qualification
spVocTrain	ts15202	other training
spVocTrain	ts15220	other vocational qualification
spVocTrain	ts15222	other vocational qualification (open)
spVocTrain	ts15412	other degree (open)
spVocTrain	ts15458	Support during vocational training program other, open
spVocTrain	ts15558	Support during training, open – pre-survey for ongoing episodes
spVolunteerWork	t262952	Concrete activity (open)
spVolunteerWork	t262954	Volunteering area (open)
xTargetCORONA	th80002	Content media - digital
xTargetCORONA	tm00048	Childcare situation - open
xTargetCORONA	tm00085	Learning materials - open
xTargetCORONA	tm00097	Changed learning opportunities during school closure - other, open
xTargetCORONA	tm00109	Offered courses - other, open
xTargetCORONA	tm00115	Information higher education institution, open
xTargetCORONA	tm00140	Chances Future

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 to the binary information German/non-German. Please note that this variable does not necessarily has the same root of the variable name as the affected variable (e.g. if it is part of the instrument and not generated during the anonymization process). Look in the vicinity of the documented variable to find it. Also, see section 3.3.

2 Conducted measures

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

file	variable	label
pParent	p32601a	Position generator: country nurse or male nurse
pParent	p32601b	Position generator: country engineer
pParent	p32601c	Position generator: country warehouse/transport worker
pParent	p32601d	Position generator: country social worker
pParent	p32601e	Position generator: country sales clerk
pParent	p32601f	Position generator: country police officer
pParent	p32601g	Position generator: country physician
pParent	p32601h	Position generator: country banker
pParent	p32601k	Position generator: country motor mechanic
pParent	p32601l	Position generator: country legal practitioner
pParent	p32601m	Position generator: country optician
pParent	p32601n	Position generator: country translator
pParent	p32601o	Position generator: country teacher elem. school/Hauptschule/Realschule
pParent	p400010_g1	Country of birth Respondent
pParent	p400010_g2	Country of birth respondent (aggregated)
pParent	p400070_g1	Country of birth Mother respondent
pParent	p400070_g2	Country of birth mother respondent (aggregated)
pParent	p400090_g1	Country of birth father respondent
pParent	p400090_g2	Country of birth father respondent (aggregated)
pParent	p400500_g3	Group of origin
pParent	p400500_g3v1	Group of origin
pParent	p401150_g2	Citizenship respondent not German (aggregated)
pParent	p403010_g1	Country of birth partner abroad
pParent	p403010_g2	Country of birth partner (aggregated)
pParent	p403070_g1	Country of birth mother partner
pParent	p403070_g2	Country of birth Partner's mother (aggregated)
pParent	p403090_g1	Country of birth Parther's father
pParent	p403090_g2	Country of birth Parther's father (aggregated)
pParent	p404050_g2	Other citizenship partner (aggregated)
pParent	p406010_g1	Country of birth of target child
pParent	p406010_g2	Country of birth of target child (aggregated)
pParent	p407050_g2	Citizenship target child (aggregated)
pParent	p407060_g2	Second citizenship target child (aggregated)
pParent	p431010_g1	Country of destination
pParent	p431010_g2	Target country (categorized)
pParent	p731804_g1	Country highest school-leaving qualification abroad respondent
pParent	p731804_g2	Country of highest educational qualification respondent (aggregated)
pParent	p731823_g1	Country of vocational qualification (additional response)
pParent	p731823_g2	Country of professional qualification (additional response, aggregated)

(...)

Table 3: (continued)

file	variable	label
pParent	p731854_g1	Country highest school-leaving qualification abroad partner
pParent	p731854_g2	Highest educational qualification partner abroad (country, aggregated)
pParent	p731873_g1	Country of vocational qualification, partner, (additional response)
pParent	p731873_g2	Country of professional qualification partner (additional response, aggregated)
pTarget	t400000_g1	Country of own birth
pTarget	t400000_g2	Country of birth (aggregated)
pTarget	t400070_g1	Mother: Country of birth
pTarget	t400070_g2	Mother: Country of birth (aggregated)
pTarget	t400090_g1	Father: Country of birth
pTarget	t400090_g2	Father: Country of birth (aggregated)
pTarget	t400220_g1	Country of birth of your maternal grandparents - maternal grandmother
pTarget	t400220_g2	Mother's mother: country of birth (aggregated)
pTarget	t400240_g1	Country of birth of your maternal grandparents - maternal grandfather
pTarget	t400240_g2	Mother's father: Country of birth (aggregated)
pTarget	t400260_g1	Country of birth of your paternal grandparents - paternal grandmother
pTarget	t400260_g2	Father's mother: country of birth (aggregated)
pTarget	t400280_g1	Country of birth of your paternal grandparents - paternal grandfather
pTarget	t400280_g2	Father's father: Country of birth (aggregated)
pTarget	t400500_g3	Group of origin
pTarget	t400500_g3v1	Group of origin
pTargetCATI	t32601a	Position generator: country nurse
pTargetCATI	t32601b	Position generator: country engineer
pTargetCATI	t32601c	Position generator: country warehouse/transport worker
pTargetCATI	t32601d	Position generator: country social worker
pTargetCATI	t32601e	Position generator: country salesperson
pTargetCATI	t32601f	Position generator: country police officer
pTargetCATI	t32601g	Position generator: country physician
pTargetCATI	t32601h	Position generator: country banker
pTargetCATI	t32601k	Position generator: country motor mechanic
pTargetCATI	t32601l	Position generator: country legal practitioner
pTargetCATI	t32601m	Position generator: country optician
pTargetCATI	t32601n	Position generator: country translator
pTargetCATI	t32601o	Position generator: country teacher at elementary school/Hauptschule/Realschule
pTargetCATI	t405010_g1	Birth country
pTargetCATI	t405010_g2	Country of birthplace (aggregated)

(...)

Table 3: (continued)

file	variable	label
pTargetCATI	t405510_g1	Country of birth Respondent
pTargetCATI	t405510_g2	Country of birth Respondent (aggregated)
pTargetCATI	t405560_g1	Country of birth Mother Respondent
pTargetCATI	t405560_g2	Country of birth Mother Respondent (aggregated)
pTargetCATI	t405570_g1	Country of birth Maternal grandmother
pTargetCATI	t405570_g2	Country of birth Maternal grandmother (aggregated)
pTargetCATI	t405580_g1	Country of birth Maternal grandfather
pTargetCATI	t405580_g2	Country of birth Maternal grandfather (aggregated)
pTargetCATI	t405600_g1	Country of birth Father Respondent
pTargetCATI	t405600_g2	Country of birth Father Respondent (aggregated)
pTargetCATI	t405610_g1	Country of birth Paternal grandmother
pTargetCATI	t405610_g2	Country of birth Paternal grandmother (aggregated)
pTargetCATI	t405620_g1	Country of birth Paternal grandfather
pTargetCATI	t405620_g2	Country of birth Paternal grandfather (aggregated)
pTargetCATI	t406100_g2	other nationality (aggregated)
pTargetCATI	t407010_g1	Country of birth Partner
pTargetCATI	t407010_g2	Country of birth Partner (aggregated)
pTargetCATI	t431010_g1	Country of destination
pTargetCATI	t431010_g2	Target country (categorized)
pTargetCATI	t751004_g1	Country of residence (abroad)
pTargetCATI	t751004_g2	Country of residence (aggregated)
pTargetCATI	t751015_g1	Country of second residence (outside Germany)
pTargetCATI	t751015_g2	Country of secondary residence (aggregated)
spEmp	ts23239_g1	Country of workplace
spEmp	ts23239_g2	Country of workplace (aggregated)
spParentSchool	p723060_g1	Country of school
spParentSchool	p723060_g2	Country of school (aggregated)
spPartner	ts30027_g1	Country of residence Partner (abroad) (LAT)
spPartner	ts31205_g1	Country of birth Partner
spPartner	ts31205_g2	Partner: Country of birth (categorized)
spPartner	ts31208_g1	Country of birth father partner
spPartner	ts31208_g2	Father Partner: Country of birth (categorized)
spPartner	ts31210_g1	Country of birth mother partner
spPartner	ts31210_g2	Mother Partner: Country of birth (categorized)
spSchool	ts1120s_g1	Country of school
spSchool	ts1120s_g2	Country of school (aggregated)
spSchoolExtExam	ts11301_g1	Country of awarded school-leaving qualification
spSchoolExtExam	ts11301_g2	Country of awarded school-leaving qualification (aggregated)
spVocExtExam	ts15303_g1	Country of external examination
spVocExtExam	ts15303_g2	Country of external examination (aggregated)
spVocTrain	ts1521s_g1	Country of vocational training
spVocTrain	ts1521s_g2	Country of vocational training (aggregated)
spVocTrain	ts15294_g1	1st country stay abroad

(...)

Table 3: (continued)

file	variable	label
spVocTrain	ts15294_g2	1st country stay abroad (aggregated)
spVocTrain	ts15295_g1	2nd country stay abroad
spVocTrain	ts15295_g2	2nd country stay abroad (aggregated)
ParentMethods	px80204	Interview: interview language (realized case)
TargetMethods	tx80204	Interview: interview language (realized case)
pEducator	e41100a_g2	Mother tongue (reference 1, ISO 639.2)
pEducator	e41100a_g3	Mother tongue (reference 2, ISO 639.2)
pEducator	e41100a_g4	Mother tongue (reference 3, ISO 639.2)
pEducator	e41100a_g5	Mother tongue (reference 4, ISO 639.2)
pParent	p410000_g1	First language/mother tongue child (ISO 639.2)
pParent	p410000_g2	First language/mother tongue child (aggregated)
pParent	p410002_g1	Further first language/mother tongue Child (ISO 639.2)
pParent	p410002_g2	Further first language/mother tongue Child (aggregated)
pParent	p413000_g1	First language/mother tongue Respondent (ISO 639.2)
pParent	p413000_g2	First language/mother tongue Respondent (aggregated)
pParent	p413002_g1	Further first language/mother tongue Respondent (ISO 639.2)
pParent	p413002_g2	Further first language/mother tongue Respondent (aggregated)
pParent	p414000_g1	First language/mother tongue Partner (ISO 639.2)
pParent	p414000_g2	First language/mother tongue Partner (aggregated)
pParent	p414002_g1	Further first language/mother tongue Partner (ISO 639.2)
pParent	p414002_g2	Further first language/mother tongue Partner (aggregated)
pParent	p414100_g1	First language/mother tongue New partner (ISO 639.2)
pParent	p414100_g2	First language/mother tongue New partner (aggregated)
pParent	p414102_g1	Further first language/mother tongue New partner (ISO 639.2)
pParent	p414102_g2	Further first language/mother tongue New partner (aggregated)
pTarget	t41000a_g2	Mother tongue (reference 1, ISO 639.2)
pTarget	t41000a_g3	Mother tongue (reference 2, ISO 639.2)
pTarget	t41000a_g4	Mother tongue (reference 3, ISO 639.2)
pTarget	t41000a_g5	Mother tongue (reference 4, ISO 639.2)
pTarget	t410010_g2	Second language (Specification 1, ISO 639.2)
pTarget	t410010_g3	Second language (Specification 2, ISO 639.2)
pTarget	t410010_g4	Second language (Specification 3, ISO 639.2)
pTarget	t410010_g5	Second language (Specification 4, ISO 639.2)

(...)

Table 3: (continued)

file	variable	label
pTarget	t41010a_g2	Mother: Mother tongue (reference 1, ISO 639.2)
pTarget	t41010a_g3	Mother: Mother tongue (reference 2, ISO 639.2)
pTarget	t41010a_g4	Mother: Mother tongue (reference 3, ISO 639.2)
pTarget	t41010a_g5	Mother: Mother tongue (reference 4, ISO 639.2)
pTarget	t41012a_g2	Father: Mother tongue (Specification 1, ISO 639.2)
pTarget	t41012a_g3	Father: Mother tongue (Specification 2, ISO 639.2)
pTarget	t41012a_g4	Father: Mother tongue (Specification 3, ISO 639.2)
pTarget	t41012a_g5	Father: Mother tongue (Specification 4, ISO 639.2)
pTargetCATI	t414000_g1	First mother tongue (ISO 639.2)
pTargetCATI	t414000_g2	First mother tongue (categorized)
pTargetCATI	t414002_g1	Second mother tongue (ISO 639.2)
pTargetCATI	t414002_g2	Second mother tongue (categorized)
pParent	p401150_g1	Other citizenship respondent
pParent	p404050_g1	Other citizenship partner
pParent	p407050_g1	Citizenship - target child
pParent	p407060_g1	Second citizenship Target child
pTarget	t40115a_g2	Citizenship (Specification 1; coded)
pTarget	t40115a_g3	Citizenship (Specification 2; coded)
pTarget	t40115a_g4	Citizenship (Specification 3; coded)
pTarget	t42850x_g1	Definition Culture of origin
pTargetCATI	t406100_g1	other nationality

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 OnSite.

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 > Data Center > Overview and Assistance > Regional Data

or contact the LIfBi RDC (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
CohortProfile	tx80109_g2	Sample: Federal state school
Weights	stratum_imp1	Implicit stratum 1 (State of institution)
Weights	stratum_imp2	Implicit stratum 2 (regional classification of the institution)
Weights	stratum_imp3	Implicit stratum 3 (funding body of the institution)
pEducator	e537110_g2	Place of study Teaching degree course (federal state)
pEducator	e537110_g3	Place of study Teaching degree course (administrative district)
pEducator	e537110_g4	Place of study Teaching degree course (county, info 2013)
pEducator	e537170_g2	Location: state examination passed (federal state)
pEducator	e537170_g3	Location: state examination passed (administrative district)
pEducator	e537170_g4	Location: state examination passed (county, info from 2013)
pParent	p751001_g2	Place of residence (federal state)
pTarget	ts11202_g2	Municipality of school (federal state)
pTarget	tx44401_g2	Location of school (federal state)
pTargetCATI	t700101_g2	Municipality of birth (federal state)
pTargetCATI	t751001_g2	Residential municipality (RS federal state)
pTargetCATI	t751011_g2	Municipality secondary residence (federal state)
spEmp	ts23237_g2	Location of workplace (RS federal state)
spParentSchool	p723030_g2	Municipality of school (federal state)
spPartner	ts30022	Federal state of residence Partner (LAT)
spSchool	ts11202_g2	Municipality of school (federal state)
spVocPrep	ts13105_g2	Municipality of measure (federal state)
spVocTrain	ts15207_g2	Municipality of training facility (federal state)
spVocTrain	ts15429	Federal state of higher education institution
CohortProfile	tx80109_g3	Sample: administrative district school
CohortProfile	tx80109_g4	Sample: district school
pParent	p751001_g3	Place of residence (administrative district)
pParent	p751001_g4	Place of residence (district)
pTarget	ts11202_g3	Municipality of school (administrative district)
pTarget	ts11202_g4	Municipality of school (district)
pTarget	tx44401_g3	Location of the school (administrative district)
pTarget	tx44401_g4	Location of the school (district)

(...)

Table 4: (continued)

file	variable	label
pTargetCATI	t700101_g3	Municipality of birth (administrative district)
pTargetCATI	t700101_g4	Municipality of birth (district)
pTargetCATI	t751001_g3	Residential municipality (administrative district)
pTargetCATI	t751001_g4	Residential municipality (district)
pTargetCATI	t751011_g3	Municipality secondary residence (administrative district)
pTargetCATI	t751011_g4	Municipality secondary residence (district)
spEmp	ts23237_g3	Location of workplace (administrative district)
spEmp	ts23237_g4	Location of workplace (district)
spParentSchool	p723030_g3	Municipality of school (administrative district)
spParentSchool	p723030_g4	Municipality of school (district)
spSchool	ts11202_g3	Municipality of school (administrative district)
spSchool	ts11202_g4	Municipality of school (district)
spVocPrep	ts13105_g3	Municipality of measure (administrative district)
spVocPrep	ts13105_g4	Municipality of measure (district)
spVocTrain	ts15207_g3	Municipality of training facility (administrative district)
spVocTrain	ts15207_g4	Municipality of training facility (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)

<div align="center">

`pInstitution,`

</div>

but may also affect basic structural details about the group or class (e.g. size of class) in other datafiles. 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

- Microm data, describing the surrounding of the school

2 Conducted measures

- RegioInfas (infas geodaten) data, describing the surrounding of the targets residence
- RegioInfas data, describing the surrounding of the school

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`

[pCourseClass] e227400_g1: Class: number of students, total (simplified)

RemoteNEPS		Download
	1	below 10
	2	10 to 14
	3	15 to 19
	4	20 to 24
	5	25 to 29
	6	30 to 34
	7	35 and more

[pCourseClass] e229400: Class: facilities: classroom size (aggregated)

RemoteNEPS		Download
	1	under 30
	2	30 to 39
	3	40 to 49
	4	50 to 59
	5	60 and more

[pEducator] e229820: Work in profession (years, categorized)

RemoteNEPS		Download
	1	0 to less than 5
	2	5 to less than 10
	3	10 to less than 15
	4	15 to less than 20
	5	20 to less than 25
	6	25 to less than 30
	7	30 to less than 35
	8	35 and more

(...)

Table 5: (continued)

[pEducator] e229821: Work at this school (years, categorized)

RemoteNEPS	Download	
	1	0 to less than 5
	2	5 to less than 10
	3	10 to less than 15
	4	15 to less than 20
	5	20 to less than 25
	6	25 to less than 30
	7	30 to less than 35
	8	35 and more

[pEducator] e536020: Age Career choice (categorized)

RemoteNEPS	Download	
	30	30 and older

[pEducator] e53702y: Year of university entrance qualification (categorized)

RemoteNEPS	Download	
	1	before 1970
	2	1970-1979
	3	1980-1989
	4	1990-1999
	5	after 1999

[pEducator] e53710y: Year Study start Teaching degree course (categorized)

RemoteNEPS	Download	
	1	before 1970
	2	1970-1979
	3	1980-1989
	4	1990-1999
	5	after 1999

[pEducator] e537150: Year of state examination (categorized)

RemoteNEPS	Download	
	1	before 1970
	2	1970-1979
	3	1980-1989
	4	1990-1999
	5	after 1999

[pEducator] e76212y: Year of birth (categorized)

RemoteNEPS	Download	
	1	before 1950
	2	1950-1959
	3	1960-1969
	4	1970-1979
	5	after 1979

(...)

Table 5: (continued)

[pParent] p727001: Recommendation secondary school or course of education, which ones? (simplified)

RemoteNEPS		Download
Hauptschule [lower secondary school]	1	Hauptschule [lower secondary school]
Realschule [intermediate secondary school]	2	Realschule [intermediate secondary school]
Gymnasium [upper secondary school]	3	Gymnasium [upper secondary school]
integrated Gesamtschule [comprehensive school]	4	integrated Gesamtschule [comprehensive school]
combined Hauptschule and Realschule «also Gemeinschaftsschule [comprehensive school], Oberschule [upper secondary school], Stadtteilschule, extended Realschule, Realschule plus, Werkrealschule, Mittelstufenschule»	5	combined Hauptschule and Realschule «also Gemeinschaftsschule, Oberschule, Stadtteilschule, extended Realschule, Realschule plus, Werkrealschule, Mittelstufenschule»
Mittelschule (Saxony/Bavaria)	6	Mittelschule/regular school/secondary school/Regionale Schule
regular school (Thuringia)	7	
Regionale Schule (Rhineland Palatinate)	8	
secondary school (Bremen, NRW)	9	
Förderstufe [mixed ability class] (Hesse)	10	
special needs school	11	Special needs school
orientation stage	12	Orientation stage/remedial stage
school for highly gifted students	13	School for highly gifted students
Gemeinschaftsschule [comprehensive school] (Gemeinschaftsschule) (NRW)	14	

[pParent] p727002: Recommendation secondary school or course of education, further? (simplified)

RemoteNEPS		Download
Hauptschule [lower secondary school]	1	Hauptschule [lower secondary school]
Realschule [intermediate secondary school]	2	Realschule [intermediate secondary school]
Gymnasium [upper secondary school]	3	Gymnasium [upper secondary school]
integrated Gesamtschule [comprehensive school]	4	integrated Gesamtschule [comprehensive school]
combined Hauptschule and Realschule «also Gemeinschaftsschule [comprehensive school], Oberschule [upper secondary school], Stadtteilschule, extended Realschule, Realschule plus, Werkrealschule, Mittelstufenschule»	5	combined Hauptschule and Realschule «also Gemeinschaftsschule, Oberschule, Stadtteilschule, extended Realschule, Realschule plus, Werkrealschule, Mittelstufenschule»
Mittelschule (Saxony/Bavaria)	6	Mittelschule/regular school/secondary school/Regionale Schule
regular school (Thuringia)	7	
Regionale Schule (Rhineland Palatinate)	8	
secondary school (Bremen, NRW)	9	
Förderstufe [mixed ability class] (Hesse)	10	
special needs school	11	Special needs school
orientation stage	12	Orientation stage/remedial stage
school for highly gifted students	13	School for highly gifted students
Gemeinschaftsschule [comprehensive school] (Gemeinschaftsschule) (NRW)	14	

(...)

Table 5: (continued)

[pParent] p731911: Number of employees respondent (aggregated)

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**	

[pParent] p731961: Number of employees Partner (aggregated)

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] t731416: Number of employees Mother (aggregated)

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**	

(...)

Table 5: (continued)

[pTargetCATI] `t731466`: Number of employees Father (aggregated)

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**	

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

RemoteNEPS		Download
fewer than 5 people	**1**	less than 5
5 to 9 people	**2**	5 to less than 10
10 to 19 people	**3**	10 to less than 20
20 to 49 people	**4**	20 to less than 50
50 to 99 people	**5**	50 and more
100 to 199 people	**6**	
200 to 249 people	**7**	
250 to 499 people	**8**	
500 to 999 people	**9**	
1,000 to 1,999 people	**10**	
2,000 people and more	**11**	

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

file	variable	label
pCourseClass	e190011	Class: number of students with special needs
pCourseClass	e227400	Class: number of female students
pCourseClass	e227401	Class: number of male students
pCourseClass	e451000	Daycare: number of students with migrant background
pCourseClass	e79201a	Student: lower social stratum (number)
pCourseClass	e79201b	Student: middle social stratum (number)
pCourseClass	e79201c	Student: upper social stratum (number)
pCourseClass	e79202a	Students with at least one parent with a higher education degree

(...)

Table 6: (continued)

file	variable	label
pEducator	e537030	Federal state higher education entrance qualification (federal state)
pEducator	e537200	Federal state second state examination (federal state)
pEducator	e76212m	Month of birth
pInstitution	h76612m	Month of birth
pInstitution	h76612y	Year of birth: Year
pTarget	t435030_g1	"Religion & religiousness: other religious community"
pTarget	t43504a_g1	other religious community (specific)
pTargetCATI	t435030_g1	"Religion & religiousness: other religious community"
pTargetCATI	t700101_g8	Municipality of birth (East/West Berlin)
pTargetCATI	t751001_g8	Municipality of residence (East/West Berlin)
pTargetCATI	t751011_g8	Municipality of secondary residence (East/West Berlin)
pTargetCATI	tf40231_g1	Study area subject combination first applied for - Subject 1 (destatis 2010/11)
pTargetCATI	tf40231_g3	ISCED-97 subject combination first applied for - Subject 1 (3-digits)
pTargetCATI	tf40231_g4	ISCED-97 subject combination first applied for - Subject 1 (2-digits)
pTargetCATI	tf40232_g1	Study area subject combination first applied for - Subject 2 (destatis 2010/11)
pTargetCATI	tf40232_g3	ISCED-97 subject combination first applied for - Subject 2 (3-digits)
pTargetCATI	tf40232_g4	ISCED-97 subject combination first applied for - Subject 2 (2-digits)
pTargetCATI	tf40233_g1	Study area subject combination first applied for - Subject 3 (destatis 2010/11)
pTargetCATI	tf40233_g3	ISCED-97 subject combination first applied for - Subject 3 (3-digits)
pTargetCATI	tf40233_g4	ISCED-97 subject combination first applied for - Subject 3 (2-digits)
pTargetCATI	tf40235_g1	Study area subject combination second applied for - Subject 1 (destatis 2010/11)
pTargetCATI	tf40235_g3	ISCED-97 subject combination second applied for - Subject 1 (3-digits)

(...)

Table 6: (continued)

file	variable	label
pTargetCATI	tf40235_g4	ISCED-97 subject combination second applied for - Subject 1 (2-digits)
pTargetCATI	tf40236_g1	Study area subject combination second applied for - Subject 2 (destatis 2010/11)
pTargetCATI	tf40236_g3	ISCED-97 subject combination second applied for - Subject 2 (3-digits)
pTargetCATI	tf40236_g4	ISCED-97 subject combination second applied for - Subject 2 (2-digits)
pTargetCATI	tf40237_g1	Study area subject combination second applied for - Subject 3 (destatis 2010/11)
pTargetCATI	tf40237_g3	ISCED-97 subject combination second applied for - Subject 3 (3-digits)
pTargetCATI	tf40237_g4	ISCED-97 subject combination second applied for - Subject 3 (2-digits)
pTargetCAWI	t242400_g1	Study area Reference subject Learning environment (destatis 2010/11)
pTargetCAWI	t242400_g3	ISCED-97 Reference subject Learning environment (3-digits)
pTargetCAWI	t242400_g4	ISCED-97 Reference subject Learning environment (2-digits)
spEmp	ts23237_g8	Place of work (East/West Berlin)
spSchool	ts11202_g8	Municipality of school (East/West Berlin)
spVocPrep	ts13105_g8	Municipality of measure (East/West Berlin)
spVocTrain	ts15207_g8	Municipality of training facility (East/West Berlin)
spVocTrain	ts15401	Higher education institution
spVocTrain	ts15404_g1	Study area study/doctorate/habilitation subject 1 (destatis 2010/11)
spVocTrain	ts15404_g3	ISCED-97 study/doctorate/habilitation subject 1 (3-digits)
spVocTrain	ts15404_g4	ISCED-97 study/doctorate/habilitation subject 1 (2-digits)
spVocTrain	ts15405_g1	Study area study subject 2 (destatis 2010/11)
spVocTrain	ts15405_g3	ISCED-97 study subject 2 (3-digits)
spVocTrain	ts15405_g4	ISCED-97 study subject 2 (2-digits)
spVocTrain	ts15406_g1	Study area study subject 3 (destatis 2010/11)
spVocTrain	ts15406_g3	ISCED-97 study subject 3 (3-digits)
spVocTrain	ts15406_g4	ISCED-97 study subject 3 (2-digits)

(...)

Table 6: (continued)

file	variable	label
xTargetCORONA	tm00002	Impact: coronavirus infection - myself
xTargetCORONA	tm00003	Impact: coronavirus infection - household
xTargetCORONA	tm00004	Impact: coronavirus infection - relative
xTargetCORONA	tm00005	Impact: coronavirus infection - friend/acquaintance
xTargetCORONA	tm00006	Impact: coronavirus infection - colleague
xTargetCORONA	tm00008	Impact: quarantine - myself
xTargetCORONA	tm00009	Impact: quarantine - household
xTargetCORONA	tm00010	Impact: quarantine - relative
xTargetCORONA	tm00011	Impact: quarantine - friend/acquaintance
xTargetCORONA	tm00012	Impact: quarantine - colleague

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)

t731406_D -- Number of mother's employees (categorized)
------------------------------------------
                        |     Freq.
------------------------+-----------
Valid  -98 Don't know   |         7
       -97 Refused      |         1
       -54 Missing by design |  36700
       0   none         |       423
       1   1 to 4       |       330
       2   5 to 9       |        64
       3   10 to 19     |        22
       4   20 and more  |        28
       Total            |     37575
Missing .               |     15982
Total                   |     53557
------------------------------------------


t731406_R -- Number of mother's employees
------------------------------------------
                        |     Freq.
------------------------+-----------
Valid  -98 Don't know   |         7
       -97 Refused      |         1
       -54 Missing by design |  36700
       0   None         |       423
       1   1 to 4       |       330
       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
------------------------------------------
```

```
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)
------------------------------------------
                        |     Freq.
------------------------+-----------
Valid  -98 Don't know   |         7
       -97 Refused      |         1
       -54 Missing by design |  36700
       0   none         |       423
       1   1 to 4       |       330
       2   5 to 9       |        64
       3   10 to 19     |        22
       4   20 and more  |        28
       Total            |     37575
Missing .               |     15982
Total                   |     53557
------------------------------------------


t731406_R -- Number of mother's employees
------------------------------------------
                        |     Freq.
------------------------+-----------
Valid  -54 Missing by design |  36700
       -53 Anonymized   |       875
       Total            |     37575
Missing .               |     15982
Total                   |     53557
------------------------------------------
```

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)

t405010_g2 -- Country of birthplace (categorized)
-----------------------------------------------------------
-
                                         |   Freq.
-----------------------------------------+-----------
-
Valid  -97 Refused                       |       2
       -54 Missing by design             |   36417
       -20 Foreign, but not codeable     |       5
         1 Germany                        |   15388
         2 Italy                          |      52
         3 Poland                         |     244
         4 Romania                        |      98
         5 Turkey                         |     182
         6 Former Yugoslavia              |     113
         7 Former Soviet Union            |     522
         8 Central and South America, Caribbean | 42
         9 Northern and Western Europe    |     154
        10 North America                  |      33
        12 Other Middle East and North Africa | 73
        13 Other Africa                   |      30
        14 Other Asia                     |      74
        15 Other Central and Eastern Europe |    84
        16 Other Southern Europe          |      44
           Total                          |   53557
-----------------------------------------------------------
-

t405010_g1R -- Country of place of birth
-----------------------------------------------------------
                                         |   Freq.
-----------------------------------------+-----------
Valid  -97 Refused                       |       2
       -54 Missing by design             |   36417
       -20 Foreign, but not codeable     |       5
         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
-----------------------------------------------------------
```

```
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)
-----------------------------------------------------------
-
                                         |   Freq.
-----------------------------------------+-----------
-
Valid  -97 Refused                       |       2
       -54 Missing by design             |   36417
       -20 Foreign, but not codeable     |       5
         1 Germany                        |   15388
         2 Italy                          |      52
         3 Poland                         |     244
         4 Romania                        |      98
         5 Turkey                         |     182
         6 Former Yugoslavia              |     113
         7 Former Soviet Union            |     522
         8 Central and South America, Caribbean | 42
         9 Northern and Western Europe    |     154
        10 North America                  |      33
        12 Other Middle East and North Africa | 73
        13 Other Africa                   |      30
        14 Other Asia                     |      74
        15 Other Central and Eastern Europe |    84
        16 Other Southern Europe          |      44
           Total                          |   53557
-----------------------------------------------------------
-

t405010_g1R -- Country of place of birth
-----------------------------------------------
                                      |   Freq.
--------------------------------------+-----------
Valid  -54 Missing by design          |   36417
       -53 Anonymized                 |   17140
           Total                      |   53557
-----------------------------------------------
```

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

```
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
-------------------------------------------------------
```

```
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
-----------------------------------
```

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)

tx80109_g1 -- Sample: Federal state school (west/east)
-----------------------------------------------------
                                      |      Freq.
--------------------------------------+------------
Valid   -55 Not determinable          |        458
         1  Western Germany           |      16299
         2  Eastern Germany incl. Berlin |   3784
            Total                     |      20541
-----------------------------------------------------


tx80109_g2R -- Sample: Federal state school
-----------------------------------------------------
                                      |      Freq.
--------------------------------------+------------
Valid   -55 Not determinable          |        458
         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
-----------------------------------------------------
```

```
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)
-----------------------------------------------------
                                      |      Freq.
--------------------------------------+------------
Valid   -55 Not determinable          |        458
         1  Western Germany           |      16299
         2  Eastern Germany incl. Berlin |   3784
            Total                     |      20541
-----------------------------------------------------


tx80109_g2R -- Sample: Federal state school
-----------------------------------------------------
                                      |      Freq.
--------------------------------------+------------
Valid   -53 Anonymized                |      20541
-----------------------------------------------------
```

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

```
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)
-------------------------------------------
                            |     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
-------------------------------------------


e227400_g1R -- Class: number of students total
-------------------------------------------
                            |     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
-------------------------------------------
```

```
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)
-------------------------------------------
                            |     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
-------------------------------------------


e227400_g1R -- Class: number of students total
-------------------------------------------
                            |     Freq.
----------------------------+--------------
Valid   -54 Missing by design  |      1803
        -53 Anonymized         |       865
             Total            |      2668
-------------------------------------------
```

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)
pParent	p32601a	Position generator: country nurse or male nurse
pParent	p32601b	Position generator: country engineer
pParent	p32601c	Position generator: country warehouse/transport worker
pParent	p32601d	Position generator: country social worker
pParent	p32601e	Position generator: country sales clerk
pParent	p32601f	Position generator: country police officer
pParent	p32601g	Position generator: country physician
pParent	p32601h	Position generator: country banker
pParent	p32601k	Position generator: country motor mechanic
pParent	p32601l	Position generator: country legal practitioner
pParent	p32601m	Position generator: country optician
pParent	p32601n	Position generator: country translator
pParent	p32601o	Position generator: country teacher elem. school/Hauptschule/Realschule
pParent	p400010_g1	Country of birth Respondent
pParent	p400010_g2	Country of birth respondent (aggregated)
pParent	p400070_g1	Country of birth Mother respondent
pParent	p400070_g2	Country of birth mother respondent (aggregated)
pParent	p400090_g1	Country of birth father respondent
pParent	p400090_g2	Country of birth father respondent (aggregated)
pParent	p400500_g3	Group of origin
pParent	p400500_g3v1	Group of origin
pParent	p401150_g2	Citizenship respondent not German (aggregated)
pParent	p403010_g1	Country of birth partner abroad
pParent	p403010_g2	Country of birth partner (aggregated)
pParent	p403070_g1	Country of birth mother partner
pParent	p403070_g2	Country of birth Partner's mother (aggregated)
pParent	p403090_g1	Country of birth Parther's father
pParent	p403090_g2	Country of birth Parther's father (aggregated)
pParent	p404050_g2	Other citizenship partner (aggregated)
pParent	p406010_g1	Country of birth of target child
pParent	p406010_g2	Country of birth of target child (aggregated)
pParent	p407050_g2	Citizenship target child (aggregated)

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)
pParent	p407060_g2	Second citizenship target child (aggregated)
pParent	p431010_g1	Country of destination
pParent	p431010_g2	Target country (categorized)
pParent	p731804_g1	Country highest school-leaving qualification abroad respondent
pParent	p731804_g2	Country of highest educational qualification respondent (aggregated)
pParent	p731823_g1	Country of vocational qualification (additional response)
pParent	p731823_g2	Country of professional qualification (additional response, aggregated)
pParent	p731854_g1	Country highest school-leaving qualification abroad partner
pParent	p731854_g2	Highest educational qualification partner abroad (country, aggregated)
pParent	p731873_g1	Country of vocational qualification, partner, (additional response)
pParent	p731873_g2	Country of professional qualification partner (additional response, aggregated)
pTarget	t400000_g1	Country of own birth
pTarget	t400000_g2	Country of birth (aggregated)
pTarget	t400070_g1	Mother: Country of birth
pTarget	t400070_g2	Mother: Country of birth (aggregated)
pTarget	t400090_g1	Father: Country of birth
pTarget	t400090_g2	Father: Country of birth (aggregated)
pTarget	t400220_g1	Country of birth of your maternal grandparents - maternal grandmother
pTarget	t400220_g2	Mother's mother: country of birth (aggregated)
pTarget	t400240_g1	Country of birth of your maternal grandparents - maternal grandfather
pTarget	t400240_g2	Mother's father: Country of birth (aggregated)
pTarget	t400260_g1	Country of birth of your paternal grandparents - paternal grandmother
pTarget	t400260_g2	Father's mother: country of birth (aggregated)
pTarget	t400280_g1	Country of birth of your paternal grandparents - paternal grandfather
pTarget	t400280_g2	Father's father: Country of birth (aggregated)
pTarget	t400500_g3	Group of origin
pTarget	t400500_g3v1	Group of origin
pTargetCATI	t32601a	Position generator: country nurse
pTargetCATI	t32601b	Position generator: country engineer
pTargetCATI	t32601c	Position generator: country warehouse/transport worker
pTargetCATI	t32601d	Position generator: country social worker
pTargetCATI	t32601e	Position generator: country salesperson
pTargetCATI	t32601f	Position generator: country police officer
pTargetCATI	t32601g	Position generator: country physician
pTargetCATI	t32601h	Position generator: country banker
pTargetCATI	t32601k	Position generator: country motor mechanic
pTargetCATI	t32601l	Position generator: country legal practitioner
pTargetCATI	t32601m	Position generator: country optician

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)
pTargetCATI	t32601n	Position generator: country translator
pTargetCATI	t32601o	Position generator: country teacher at elementary school/Hauptschule/Realschule
pTargetCATI	t405010_g1	Birth country
pTargetCATI	t405010_g2	Country of birthplace (aggregated)
pTargetCATI	t405510_g1	Country of birth Respondent
pTargetCATI	t405510_g2	Country of birth Respondent (aggregated)
pTargetCATI	t405560_g1	Country of birth Mother Respondent
pTargetCATI	t405560_g2	Country of birth Mother Respondent (aggregated)
pTargetCATI	t405570_g1	Country of birth Maternal grandmother
pTargetCATI	t405570_g2	Country of birth Maternal grandmother (aggregated)
pTargetCATI	t405580_g1	Country of birth Maternal grandfather
pTargetCATI	t405580_g2	Country of birth Maternal grandfather (aggregated)
pTargetCATI	t405600_g1	Country of birth Father Respondent
pTargetCATI	t405600_g2	Country of birth Father Respondent (aggregated)
pTargetCATI	t405610_g1	Country of birth Paternal grandmother
pTargetCATI	t405610_g2	Country of birth Paternal grandmother (aggregated)
pTargetCATI	t405620_g1	Country of birth Paternal grandfather
pTargetCATI	t405620_g2	Country of birth Paternal grandfather (aggregated)
pTargetCATI	t406100_g2	other nationality (aggregated)
pTargetCATI	t407010_g1	Country of birth Partner
pTargetCATI	t407010_g2	Country of birth Partner (aggregated)
pTargetCATI	t431010_g1	Country of destination
pTargetCATI	t431010_g2	Target country (categorized)
pTargetCATI	t751004_g1	Country of residence (abroad)
pTargetCATI	t751004_g2	Country of residence (aggregated)
pTargetCATI	t751015_g1	Country of second residence (outside Germany)
pTargetCATI	t751015_g2	Country of secondary residence (aggregated)
spEmp	ts23239_g1	Country of workplace
spEmp	ts23239_g2	Country of workplace (aggregated)
spParentSchool	p723060_g1	Country of school
spParentSchool	p723060_g2	Country of school (aggregated)
spPartner	ts30027_g1	Country of residence Partner (abroad) (LAT)
spPartner	ts31205_g1	Country of birth Partner
spPartner	ts31205_g2	Partner: Country of birth (categorized)
spPartner	ts31208_g1	Country of birth father partner
spPartner	ts31208_g2	Father Partner: Country of birth (categorized)
spPartner	ts31210_g1	Country of birth mother partner
spPartner	ts31210_g2	Mother Partner: Country of birth (categorized)
spSchool	ts1120s_g1	Country of school
spSchool	ts1120s_g2	Country of school (aggregated)
spSchoolExtExam	ts11301_g1	Country of awarded school-leaving qualification
spSchoolExtExam	ts11301_g2	Country of awarded school-leaving qualification (aggregated)
spVocExtExam	ts15303_g1	Country of external examination
spVocExtExam	ts15303_g2	Country of external examination (aggregated)
spVocTrain	ts1521s_g1	Country of vocational training
spVocTrain	ts1521s_g2	Country of vocational training (aggregated)
spVocTrain	ts15294_g1	1st country stay abroad

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)
spVocTrain	ts15294_g2	1st country stay abroad (aggregated)
spVocTrain	ts15295_g1	2nd country stay abroad
spVocTrain	ts15295_g2	2nd country stay abroad (aggregated)
ParentMethods	px80204	Interview: interview language (realized case)
TargetMethods	tx80204	Interview: interview language (realized case)
pEducator	e41100a_g2	Mother tongue (reference 1, ISO 639.2)
pEducator	e41100a_g3	Mother tongue (reference 2, ISO 639.2)
pEducator	e41100a_g4	Mother tongue (reference 3, ISO 639.2)
pEducator	e41100a_g5	Mother tongue (reference 4, ISO 639.2)
pParent	p410000_g1	First language/mother tongue child (ISO 639.2)
pParent	p410000_g2	First language/mother tongue child (aggregated)
pParent	p410002_g1	Further first language/mother tongue Child (ISO 639.2)
pParent	p410002_g2	Further first language/mother tongue Child (aggregated)
pParent	p413000_g1	First language/mother tongue Respondent (ISO 639.2)
pParent	p413000_g2	First language/mother tongue Respondent (aggregated)
pParent	p413002_g1	Further first language/mother tongue Respondent (ISO 639.2)
pParent	p413002_g2	Further first language/mother tongue Respondent (aggregated)
pParent	p414000_g1	First language/mother tongue Partner (ISO 639.2)
pParent	p414000_g2	First language/mother tongue Partner (aggregated)
pParent	p414002_g1	Further first language/mother tongue Partner (ISO 639.2)
pParent	p414002_g2	Further first language/mother tongue Partner (aggregated)
pParent	p414100_g1	First language/mother tongue New partner (ISO 639.2)
pParent	p414100_g2	First language/mother tongue New partner (aggregated)
pParent	p414102_g1	Further first language/mother tongue New partner (ISO 639.2)
pParent	p414102_g2	Further first language/mother tongue New partner (aggregated)
pTarget	t41000a_g2	Mother tongue (reference 1, ISO 639.2)
pTarget	t41000a_g3	Mother tongue (reference 2, ISO 639.2)
pTarget	t41000a_g4	Mother tongue (reference 3, ISO 639.2)
pTarget	t41000a_g5	Mother tongue (reference 4, ISO 639.2)
pTarget	t410010_g2	Second language (Specification 1, ISO 639.2)
pTarget	t410010_g3	Second language (Specification 2, ISO 639.2)
pTarget	t410010_g4	Second language (Specification 3, ISO 639.2)
pTarget	t410010_g5	Second language (Specification 4, ISO 639.2)
pTarget	t41010a_g2	Mother: Mother tongue (reference 1, ISO 639.2)
pTarget	t41010a_g3	Mother: Mother tongue (reference 2, ISO 639.2)
pTarget	t41010a_g4	Mother: Mother tongue (reference 3, ISO 639.2)
pTarget	t41010a_g5	Mother: Mother tongue (reference 4, ISO 639.2)
pTarget	t41012a_g2	Father: Mother tongue (Specification 1, ISO 639.2)
pTarget	t41012a_g3	Father: Mother tongue (Specification 2, ISO 639.2)
pTarget	t41012a_g4	Father: Mother tongue (Specification 3, ISO 639.2)
pTarget	t41012a_g5	Father: Mother tongue (Specification 4, ISO 639.2)
pTargetCATI	t414000_g1	First mother tongue (ISO 639.2)
pTargetCATI	t414000_g2	First mother tongue (categorized)
pTargetCATI	t414002_g1	Second mother tongue (ISO 639.2)

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
pTargetCATI	t414002_g2	Second mother tongue (categorized)	
pParent	p401150_g1	Other citizenship respondent	
pParent	p404050_g1	Other citizenship partner	
pParent	p407050_g1	Citizenship - target child	
pParent	p407060_g1	Second citizenship Target child	
pTarget	t40115a_g2	Citizenship (Specification 1; coded)	
pTarget	t40115a_g3	Citizenship (Specification 2; coded)	
pTarget	t40115a_g4	Citizenship (Specification 3; coded)	
pTarget	t42850x_g1	Definition Culture of origin	
pTargetCATI	t406100_g1	other nationality	
FurtherEducation	tx28202	Course content	*
TargetMethods	tf80506	Open draw prize	*
pInstitution	h22131x	School: all-day programs: other, text 1	*
pInstitution	h22131y	School: all-day programs: other, text 2	*
pInstitution	h22131z	School: all-day programs: other, text 3	*
pInstitution	h22202t	School: quality: other, text	*
pInstitution	h227011	School: full-time teachers school subject: other school subjects, text1	*
pInstitution	h227012	School: full-time teachers school subject: other school subjects, text2	*
pInstitution	h227013	School: full-time teachers school subject: other school subjects, text3	*
pInstitution	h229003	School: approach: educational, text	*
pInstitution	h229005	School: approach: promotion, text	*
pInstitution	h229007	School: approach: integration, text	*
pInstitution	h229009	School: approach: other, text	*
pInstitution	h22901t	School: profile: other, text	*
pInstitution	h41700a	Other remedial measures, other	*
pInstitution	h41702a	Parent training programs, migration, other	*
pInstitution	h41704a	Teacher training programs, migration, other	*
pParent	p19020j	Special needs OPEN	*
pParent	p26210t	Parents: tutoring, other subject (open)	*
pParent	p296402	Wish: What profession should TC learn	*
pParent	p401001	Immigration status partner other	*
pParent	p731803	Highest educational qualification Respondent, type open	*
pParent	p731814	Professional qualification Respondent (open)	*
pParent	p731817	Type Tertiary qualification Respondent (open)	*
pParent	p731853	Highest educational qualification Partner, type open	*
pParent	p731864	Professional qualification Partner (open)	*
pParent	p731867	Type Tertiary qualification Partner (open)	*
pTarget	t22260t	School involvement: other, text	*
pTarget	t26212a	Student: Subject 1	*
pTarget	t26212b	Student: Subject 2	*
pTarget	t26212c	Student: Subject 3	*
pTarget	t268111	Student: Tutoring Location somewhere else, text	*
pTarget	t27111t	Courses outside school: other courses (open)	*
pTarget	t27270h	Student: Participation organization/ group: other, text	*
pTarget	t31060a	Idealistic career aspirations: career aspiration	*
pTarget	t31160a	Realistic career aspirations: career aspiration	*

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
pTarget	t428350	Self-description sense of belonging	*
pTarget	t516202	Party election (another party)	*
pTarget	t53131e	Information possibilities of study support- open	*
pTarget	t53132h	Expected study financing: open	*
pTarget	t66505a	Goal orientation: Work/vocational training	*
pTarget	t66506a	Goal orientation: Private/family	*
pTarget	td0026x	Favorite subject	*
pTarget	te05017	Idealistic educ. aspiration - higher ed. inst. type - other, namely	*
pTarget	te05025	Idealistic educ. aspiration - type of vocational training, open	*
pTarget	te06010	Idealistic aspiration study subject	*
pTarget	te06020	Idealistic aspiration study subject combination subject	*
pTarget	te08010	Training profession	*
pTarget	te09017	Realistic educational aspiration - higher ed. type - other namely	*
pTarget	te09025	Realistic educational aspiration - voc. train. type - something else, namely	*
pTarget	te10010	Realistic aspiration: study subject	*
pTarget	te10020	Realistic aspiration: study subject combination subject	*
pTarget	te11010	Realistic educational aspiration: vocational training	*
pTarget	te14020	1st additional subject at advanced requirement level	*
pTarget	te14030	2nd additional subject at advanced requirement level	*
pTarget	te14040	3rd additional subject at advanced requirement level	*
pTarget	te14050	4th additional subject at advanced requirement level	*
pTarget	te16010	1st examination subject	*
pTarget	te16020	2nd examination subject	*
pTarget	te16030	3rd examination subject	*
pTarget	te16040	4th examination subject	*
pTarget	te16050	5th examination subject	*
pTarget	tf00070	First career aspiration	*
pTarget	tf0013b	Second career aspiration indication	*
pTarget	tf00260	Application Profession 1	*
pTarget	tf0029b	Application Profession 2	*
pTargetCATI	t272800	Trade fair/congress: content	*
pTargetCATI	t272801	Specialist lecture: content	*
pTargetCATI	t272804	Self-study program: content	*
pTargetCATI	t272805	Online learning: content	*
pTargetCATI	t272806	Counseling services: content	*
pTargetCATI	t405531	Immigration status other	*
pTargetCATI	t414001	First language/mother tongue Target (open)	*
pTargetCATI	t414003	Further first language/mother tongue Target (list)	*
pTargetCATI	t43202o	Characteristics of external ascription: other (open)	*
pTargetCATI	tf13306	Vocational preparation application profession	*
pTargetCATI	tf24540	Text Selected occupation	*
pTargetCATI	tf62077_v1	Reasons for not searching 7: Other, open	*
pTargetCATI	tf62108	Reasons for not applying 8: Other, open	*
pTargetCATI	th18021	Other learning material: open	*
pTargetCATI	th18021_v1	Other learning material: open (temp. drop-out)	*

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
pTargetCATI	th18047	Changed learning opportunities during school closure: other open	*
pTargetCATI	th18047_v1	Changed learning opport. during school closure: other open (temp. drop-out)	*
pTargetCATI	th18051	Information higher education institution: open	*
pTargetCATI	th18051_v1	Information higher education institution: open (temp. drop-out)	*
pTargetCATI	th24539	Text selected occupation (HV h_etauswahl 65kJM(SC3)/26fET(SC4,SC6))	*
pTargetCAWI	t29172n	Admission Master's program: other open	*
pTargetCAWI	t29175i	other information and qualification possibilities, open	*
pTargetCAWI	t29186m	other sources of information, open	*
pTargetCAWI	t531229	other source of finance, open	*
pTargetCAWI	t66505a	Goal orientation: Work/vocational training	*
pTargetCAWI	t66506a	Goal orientation: Private/family	*
pTargetCAWI	tg5120s	Study organization semester/trimester, open	*
pTargetCAWI	tg7991f	Type of job: other - open	*
spChild	ts33211	Other status of employment child (open)	*
spCourses	t272011_w1	Course content	*
spCourses	t272011_w2	Course content	*
spCourses	t272011_w3	Course content	*
spCourses	t272011_w4	Course content	*
spCourses	t272011_w5	Course content	*
spCourses	t272044_w1	Type certificate	*
spCourses	t272044_w2	Type certificate	*
spCourses	t272044_w3	Type certificate	*
spCourses	t272044_w4	Type certificate	*
spCourses	t272044_w5	Type certificate	*
spFurtherEdu1	t272000	Course content	*
spFurtherEdu1	t272044	Type certificate	*
spGap	ts29102	other activity	*
spMilitary	ts21401	Other voluntary service (25108a)	*
spParentGap	ps29102	other activity	*
spParentSchool	p723090	Type of school (open)	*
spPartner	ts30002	Subject area Partner	*
spPartner	ts30003	Subject area Partner	*
spPartner	ts30004	Subject area Partner	*
spPartner	ts30005	Subject area Current vocational training Partner	*
spPartner	ts30006	Subject area Current vocational training Partner	*
spPartner	ts30007	Subject area Current vocational training Partner	*
spPartner	ts31213	other school-leaving qualification partner	*
spPartner	ts31215	Other vocational qualification partner (open)	*
spPartner	ts31216	Other educational institution Partner (open)	*
spPartner	ts31218	Other higher education qualification partner (open)	*
spPartner	ts31220	Other institution awarding higher education degree Partner (open)	*
spSchool	ts11206	other type of school	*
spSchool	ts11212	other school-leaving qualification	*
spSchool	ts11217	other intended school-leaving qualification	*

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
spSchool	ts11251	1st Abitur subject, open	*
spSchool	ts11252	2nd Abitur subject, open	*
spSchool	ts11253	3rd Abitur subject, open	*
spSchool	ts11254	4th Abitur subject, open	*
spSchool	ts11255	5th Abitur subject, open	*
spSchoolExtExam	ts11305	Awarded other school-leaving qualification	*
spSchoolExtExam	ts11324	1st Abitur subject (awarded qualification), open	*
spSchoolExtExam	ts11325	2nd Abitur subject (awarded qualification), open	*
spSchoolExtExam	ts11326	3rd Abitur subject (awarded qualification), open	*
spSchoolExtExam	ts11327	4th Abitur subject (awarded qualification), open	*
spSchoolExtExam	ts11328	5th Abitur subject (awarded qualification), open	*
spVocExtExam	ts15305	Other external examination qualification	*
spVocTrain	ts15202	other training	*
spVocTrain	ts15220	other vocational qualification	*
spVocTrain	ts15222	other vocational qualification (open)	*
spVocTrain	ts15412	other degree (open)	*
spVocTrain	ts15458	Support during vocational training program other, open	*
spVocTrain	ts15558	Support during training, open – pre-survey for ongoing episodes	*
spVolunteerWork	t262952	Concrete activity (open)	*
spVolunteerWork	t262954	Volunteering area (open)	*
xTargetCORONA	th80002	Content media - digital	*
xTargetCORONA	tm00048	Childcare situation - open	*
xTargetCORONA	tm00085	Learning materials - open	*
xTargetCORONA	tm00097	Changed learning opportunities during school closure - other, open	*
xTargetCORONA	tm00109	Offered courses - other, open	*
xTargetCORONA	tm00115	Information higher education institution, open	*
xTargetCORONA	tm00140	Chances Future	*
CohortProfile	tx80109_g2	Sample: Federal state school	
Weights	stratum_imp1	Implicit stratum 1 (State of institution)	
Weights	stratum_imp2	Implicit stratum 2 (regional classification of the institution)	
Weights	stratum_imp3	Implicit stratum 3 (funding body of the institution)	
pEducator	e537110_g2	Place of study Teaching degree course (federal state)	
pEducator	e537110_g3	Place of study Teaching degree course (administrative district)	
pEducator	e537110_g4	Place of study Teaching degree course (county, info 2013)	
pEducator	e537170_g2	Location: state examination passed (federal state)	
pEducator	e537170_g3	Location: state examination passed (administrative district)	
pEducator	e537170_g4	Location: state examination passed (county, info from 2013)	
pParent	p751001_g2	Place of residence (federal state)	
pTarget	ts11202_g2	Municipality of school (federal state)	
pTarget	tx44401_g2	Location of school (federal state)	
pTargetCATI	t700101_g2	Municipality of birth (federal state)	
pTargetCATI	t751001_g2	Residential municipality (RS federal state)	
pTargetCATI	t751011_g2	Municipality secondary residence (federal state)	
spEmp	ts23237_g2	Location of workplace (RS federal state)	

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
spParentSchool	p723030_g2	Municipality of school (federal state)	
spPartner	ts30022	Federal state of residence Partner (LAT)	
spSchool	ts11202_g2	Municipality of school (federal state)	
spVocPrep	ts13105_g2	Municipality of measure (federal state)	
spVocTrain	ts15207_g2	Municipality of training facility (federal state)	
spVocTrain	ts15429	Federal state of higher education institution	
CohortProfile	tx80109_g3	Sample: administrative district school	*
CohortProfile	tx80109_g4	Sample: district school	*
pParent	p751001_g3	Place of residence (administrative district)	*
pParent	p751001_g4	Place of residence (district)	*
pTarget	ts11202_g3	Municipality of school (administrative district)	*
pTarget	ts11202_g4	Municipality of school (district)	*
pTarget	tx44401_g3	Location of the school (administrative district)	*
pTarget	tx44401_g4	Location of the school (district)	*
pTargetCATI	t700101_g3	Municipality of birth (administrative district)	*
pTargetCATI	t700101_g4	Municipality of birth (district)	*
pTargetCATI	t751001_g3	Residential municipality (administrative district)	*
pTargetCATI	t751001_g4	Residential municipality (district)	*
pTargetCATI	t751011_g3	Municipality secondary residence (administrative district)	*
pTargetCATI	t751011_g4	Municipality secondary residence (district)	*
spEmp	ts23237_g3	Location of workplace (administrative district)	*
spEmp	ts23237_g4	Location of workplace (district)	*
spParentSchool	p723030_g3	Municipality of school (administrative district)	*
spParentSchool	p723030_g4	Municipality of school (district)	*
spSchool	ts11202_g3	Municipality of school (administrative district)	*
spSchool	ts11202_g4	Municipality of school (district)	*
spVocPrep	ts13105_g3	Municipality of measure (administrative district)	*
spVocPrep	ts13105_g4	Municipality of measure (district)	*
spVocTrain	ts15207_g3	Municipality of training facility (administrative district)	*
spVocTrain	ts15207_g4	Municipality of training facility (district)	*
pCourseClass	e227400_g1	Class: number of students total	
pCourseClass	e229400	Class: facilities: classroom size	
pEducator	e229820	Time in profession - overall	
pEducator	e229821	Time in profession - school	
pEducator	e536020	Age Career choice	
pEducator	e53702y	Year of university entrance qualification	
pEducator	e53710y	Start of in teaching degree course	
pEducator	e537150	Year of state examination	
pEducator	e76212y	Year of birth	
pParent	p727001	Recommendation secondary school or course of education, which ones?	
pParent	p727002	Recommendation secondary school or course of education, further?	
pParent	p731911	Number of employees respondent	
pParent	p731961	Number of employees Partner	
pTargetCATI	t731416	Number of employees Mother	
pTargetCATI	t731466	Number of employees Father	
spPartner	ts31229	Number of employees Partner	
pCourseClass	e190011	Class: number of students with special needs	

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)	
pCourseClass	e227400	Class: number of female students	
pCourseClass	e227401	Class: number of male students	
pCourseClass	e451000	Daycare: number of students with migrant background	
pCourseClass	e79201a	Student: lower social stratum (number)	
pCourseClass	e79201b	Student: middle social stratum (number)	
pCourseClass	e79201c	Student: upper social stratum (number)	
pCourseClass	e79202a	Students with at least one parent with a higher education degree	
pEducator	e537030	Federal state higher education entrance qualification (federal state)	
pEducator	e537200	Federal state second state examination (federal state)	
pEducator	e76212m	Month of birth	*
pInstitution	h76612m	Month of birth	*
pInstitution	h76612y	Year of birth: Year	
pTarget	t435030_g1	"Religion & religiousness: other religious community"	
pTarget	t43504a_g1	other religious community (specific)	
pTargetCATI	t435030_g1	"Religion & religiousness: other religious community"	
pTargetCATI	t700101_g8	Municipality of birth (East/West Berlin)	
pTargetCATI	t751001_g8	Municipality of residence (East/West Berlin)	
pTargetCATI	t751011_g8	Municipality of secondary residence (East/West Berlin)	
pTargetCATI	tf40231_g1	Study area subject combination first applied for - Subject 1 (destatis 2010/11)	
pTargetCATI	tf40231_g3	ISCED-97 subject combination first applied for - Subject 1 (3-digits)	
pTargetCATI	tf40231_g4	ISCED-97 subject combination first applied for - Subject 1 (2-digits)	
pTargetCATI	tf40232_g1	Study area subject combination first applied for - Subject 2 (destatis 2010/11)	
pTargetCATI	tf40232_g3	ISCED-97 subject combination first applied for - Subject 2 (3-digits)	
pTargetCATI	tf40232_g4	ISCED-97 subject combination first applied for - Subject 2 (2-digits)	
pTargetCATI	tf40233_g1	Study area subject combination first applied for - Subject 3 (destatis 2010/11)	
pTargetCATI	tf40233_g3	ISCED-97 subject combination first applied for - Subject 3 (3-digits)	
pTargetCATI	tf40233_g4	ISCED-97 subject combination first applied for - Subject 3 (2-digits)	
pTargetCATI	tf40235_g1	Study area subject combination second applied for - Subject 1 (destatis 2010/11)	
pTargetCATI	tf40235_g3	ISCED-97 subject combination second applied for - Subject 1 (3-digits)	
pTargetCATI	tf40235_g4	ISCED-97 subject combination second applied for - Subject 1 (2-digits)	
pTargetCATI	tf40236_g1	Study area subject combination second applied for - Subject 2 (destatis 2010/11)	
pTargetCATI	tf40236_g3	ISCED-97 subject combination second applied for - Subject 2 (3-digits)	

(...)

Table 7: (continued)

file	variable	label (*only available OnSite)
pTargetCATI	tf40236_g4	ISCED-97 subject combination second applied for - Subject 2 (2-digits)
pTargetCATI	tf40237_g1	Study area subject combination second applied for - Subject 3 (destatis 2010/11)
pTargetCATI	tf40237_g3	ISCED-97 subject combination second applied for - Subject 3 (3-digits)
pTargetCATI	tf40237_g4	ISCED-97 subject combination second applied for - Subject 3 (2-digits)
pTargetCAWI	t242400_g1	Study area Reference subject Learning environment (destatis 2010/11)
pTargetCAWI	t242400_g3	ISCED-97 Reference subject Learning environment (3-digits)
pTargetCAWI	t242400_g4	ISCED-97 Reference subject Learning environment (2-digits)
spEmp	ts23237_g8	Place of work (East/West Berlin)
spSchool	ts11202_g8	Municipality of school (East/West Berlin)
spVocPrep	ts13105_g8	Municipality of measure (East/West Berlin)
spVocTrain	ts15207_g8	Municipality of training facility (East/West Berlin)
spVocTrain	ts15401	Higher education institution
spVocTrain	ts15404_g1	Study area study/doctorate/habilitation subject 1 (destatis 2010/11)
spVocTrain	ts15404_g3	ISCED-97 study/doctorate/habilitation subject 1 (3-digits)
spVocTrain	ts15404_g4	ISCED-97 study/doctorate/habilitation subject 1 (2-digits)
spVocTrain	ts15405_g1	Study area study subject 2 (destatis 2010/11)
spVocTrain	ts15405_g3	ISCED-97 study subject 2 (3-digits)
spVocTrain	ts15405_g4	ISCED-97 study subject 2 (2-digits)
spVocTrain	ts15406_g1	Study area study subject 3 (destatis 2010/11)
spVocTrain	ts15406_g3	ISCED-97 study subject 3 (3-digits)
spVocTrain	ts15406_g4	ISCED-97 study subject 3 (2-digits)
xTargetCORONA	tm00002	Impact: coronavirus infection - myself
xTargetCORONA	tm00003	Impact: coronavirus infection - household
xTargetCORONA	tm00004	Impact: coronavirus infection - relative
xTargetCORONA	tm00005	Impact: coronavirus infection - friend/acquaintance
xTargetCORONA	tm00006	Impact: coronavirus infection - colleague
xTargetCORONA	tm00008	Impact: quarantine - myself
xTargetCORONA	tm00009	Impact: quarantine - household
xTargetCORONA	tm00010	Impact: quarantine - relative
xTargetCORONA	tm00011	Impact: quarantine - friend/acquaintance
xTargetCORONA	tm00012	Impact: quarantine - colleague
pTargetMicrom		*
pTargetRegioInfas		*
pInstitutionMicrom		*
pInstitutionRegioInfas		*
pInstitution		

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