

## **Tobias Koberg**

## **Anonymization Procedures**

NEPS Starting Cohort 3— Grade 5

Paths Through Lower Secondary School

Scientific Use File Version 12.0.0



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## 1 Preamble

This documentation gives an exhaustive explanation of all disclosure risk minimization techniques applied before dissemination to the Scientific Use File (SUF) of Starting Cohort (SC) 3, version 12.0.0 (doi:10.5157/NEPS:SC3:12.0.0). 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 5 > 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.

#### 1 Preamble

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 reidentification 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<sup>1</sup>, some more anonymization techniques are done to the dataset.

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

As normally there is no need to resign aggregated variables in the higher levels (i.e. OnSite or RemoteNEPS), those are already defined as a surplus to the original variable in the OnSiteversion. 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.

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

### 1 Preamble

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 OnSitedata) and (2) documentation, for the subject of documentation is the most sensitive level (OnSite), with RemoteNEPS and Download levels being a subset of these data.

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

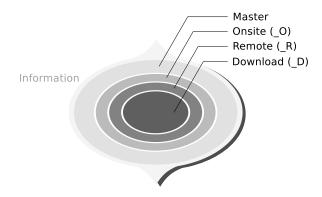


Figure 1: Onion-shaped model defining the different anonymization levels

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

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 9125 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
${\sf International}^1$	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

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

### 2.1 String variables

All variables containing actual text and whose type is therefore string are purged in the RemoteNEPS version. The information remains accessible OnSite. However, you should be aware that in the majority of cases, text entries have been recoded into derived variables (usually suffixed with  $_{g1}$ ,  $_{g2}$ , etc.), which contain the information collected. Those variables are available in all three levels, only the actual text entry is available OnSite only. The text entries have been reviewed by staff to ensure that absolutely no reidentificational material is included. To indicate the availability of those variables OnSite only, the variable names have been suffixed with an additional  $_{0}$ .

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

file	variable	label
TargetMethods TargetMethods	tx80411 tx80413	Problems Contacting (open) Problems Conducting (open)

Table 2: (continued)

		(continued)
file	variable	label
pCourseGerman	ed0015x	Spelling knowledge - other
pCourseGerman	ed0016h	Strategies - other
plnstitution	h22131x	All-day school programs: Other, text 1
plnstitution	h22131y	All-day school programs: Other, text 2
plnstitution	h22131z	All-day school programs: Other, text 3
plnstitution	h22202t	School: quality: other, text
plnstitution	h227011	School: full-time teachers school subject: other school sub-
•		jects, text1
pInstitution	h227012	School: full-time teachers school subject: other school sub-
		jects, text2
pInstitution	h227013	School: full-time teachers school subject: other school sub-
•		jects, text3
pInstitution	h229003	School: approach: educational, text
plnstitution	h229005	School: approach: promotion, text
plnstitution	h229007	School: approach: integration, text
plnstitution	h229009	School: approach: other, text
plnstitution	h22901t	School: profile: other, text
plnstitution	h41700a	Other remedial measures, other
plnstitution	h41702a	Parent training programs, migration, other
plnstitution	h41704a	Teacher training programs, migration, other
plnstitution	hd0041b	other function in school administration, namely:
pParent	p19020j	Special needs OPEN
pParent	p26210t	Parents: tutoring, other subject (open)
pParent	p296402	Wish: What profession should TC learn
pParent	p401001	Immigration status other
pParent	p731803	Highest educational qualification Respondent, type open
pParent	p731814	Vocational 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	t242401	Subject other
pTarget	t261201	Student: Internship duration
pTarget	t26212a	Student: Tutoring subject 1. response
pTarget	t26212b	Student: Tutoring subject 2. response
pTarget	t26212c	Student: Tutoring subject 3. response
pTarget	t262400	Student: part-time job content
pTarget	t268111	Student: Tutoring Place somewhere else, Text
pTarget	t27111d	Courses outside of school: other courses: text, where
pTarget	t27111t	Courses outside School: other courses, open
pTarget	t27111u	Courses outside of school: other courses: text, what
pTarget	t27111v	Students: courses outside the school: music school classes -
		open

Table 2: (continued)

		(
file	variable	label
pTarget	t27111w	Courses outside the school - adult education center (VHS) - open
pTarget	t27111x	Course; youth art school - open
pTarget	t27270h	Student: Participation organization/ group: other, text
pTarget	t29172n	Admission Master's program: other open
pTarget	t29175i	other information and qualification opportunities, open
pTarget	t29186m	other sources of information, open
pTarget	t31060a	Idealistic career aspirations: career aspiration
pTarget	t31060c	Idealistic educational aspirations: Ideal profession
pTarget	t31160a	Realistic career aspirations: career aspiration
pTarget	t31160c	Realistic educational aspirations: expected profession
pTarget	t34002f	Frequency reading (genre): namely
pTarget	t405531	Immigration status other
pTarget	t42850x	Country of origin - family
pTarget	t526012	Place warm meal: other place
pTarget	t531229	other source of finance, open
pTarget	t731302	other school-leaving qualification mother
pTarget	t731304	Other professional qualification mother (open)
pTarget	t731305	other educational institution Mother (open)
pTarget	t731307	other higher education qualification Mother (open)
pTarget	t731309	other institution awarding higher education degrees Mother
pTarget	t731352	(open) other school-leaving qualification father
pTarget	t731352	Other professional qualification father (open)
pTarget	t731354	other educational institution Father (open)
pTarget	t731355	other educational institution rather (open)
pTarget	t731357	other institution awarding higher education degrees Father
praiget	(731333	(open)
pTarget	td0021x	Favorite subject
pTarget	te00013	Year of graduation - open
pTarget	te05017	Idealistic educ. aspiration - higher ed. inst. type - other, namely
pTarget	te05025	Idealistic educ. asp type of voc. train something else, namely
pTarget	te05112	Idealistic educational aspiration - type of higher education institution - open
pTarget	te05122	Idealistic educational aspiration - type of vocational training - open
pTarget	te06010	Idealistic aspiration study subject
pTarget	te06020	Idealistic aspiration study subject combination subject
pTarget	te08010	Idealistische Aspiration: Ausbildungsberuf
pTarget	te09017	Realistic educ. asp type higher educ. instit other, namely
pTarget	te09025	Realistic educ. asp type of voc. training - something else, namely

Table 2: (continued)

		table 21 (continued)
file	variable	label
pTarget	te09112	Realistic educational aspiration – type of higher education institution - open
pTarget	te09122	Realistic educational aspiration – type of vocational training - open
pTarget	te10010	Realistic aspiration study subject
pTarget	te10020	Realistic educational aspiration subject of study combination subject
pTarget	te11010	Realistic educational aspiration: Vocational training
pTarget	te14116	other subjects at advanced requirement level - other subject
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	tf0021b	Vocational training
pTarget	tf00260	Application Profession 1
pTarget	tf0029b	Application Profession 2
pTarget	tf24540	Text Selected occupation
pTarget	tg50201	other higher education degree
pTarget	tg5120s	Study organization semester/trimester
pTarget	tg7991f	Type of job: other - open
pTarget	th18047	Changed learning opportunities during school closure: other
		open
pTarget	th24539	Text selected occupation (HV h_etauswahl
		65kJM(SC3)/26fET(SC4,SC6))
pTarget	tm00056	Other learning material: open
pTarget	tm00115	Information higher education institution: 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)
spParentSchool	p723090	Type of school (open)
spSchool	ts11206	other type of school

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	ts15412	other degree (open)
spVocTrain	ts15458	Support during vocational training program other, open
xTargetCORONA	th80002	Content media - digital
xTargetCORONA	tm00040	Childcare situation NEPS child - open
xTargetCORONA	tm00048	Childcare situation - open
xTargetCORONA	tm00056	Other learning material: open
xTargetCORONA	tm00071	Changed learning opportunities during school closure - other, open
xTargetCORONA	tm00085	Learning materials - open
xTargetCORONA	tm00097	Changed learning opportunities during school closure - other, open
xTargetCORONA	tm00109	Offered courses - other, open
xTargetCORONA	tm00115	Learning materials, 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.

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

file	variable	label
pParent	p32601a	Position generator: country nurse or male nurse

Table 3: (continued)

		,
file	variable	label
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 doctor
pParent	p32601h	Position generator: country banker
pParent	p32601k	Position generator: country car 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 Grund-, Haupt-
		, 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 of 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 Partner'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	p731804_g1	Highest educational qualification Respondent
		abroad (country)
pParent	p731804_g2	Country of highest educational qualification Respon-
		dent (aggregated)
pParent	p731823_g1	Country of vocational qualification (additional re-
		sponse)
pParent	p731823_g2	Country of professional qualification (additional re-
		sponse, aggregated)
pParent	p731854_g1	Highest educational qualification Partner abroad
		(country)

Table 3: (continued)

		or (continued)
file	variable	label
pParent	p731854_g2	Highest educational qualification Partner abroad
·		(country, aggregated)
pParent	p731873_g1	Country of vocational qualification, partner, (addi-
		tional response)
pParent	p731873_g2	Country of professional qualification Partner (addi-
		tional response, aggregated)
pTarget	t32601a	Position generator: country nurse
pTarget	t32601b	Position generator: country engineer
pTarget	t32601c	Position generator: country warehouse/transport
		worker
pTarget	t32601d	Position generator: country social worker
pTarget	t32601e	Position generator: country salesperson
pTarget	t32601f	Position generator: country police officer
pTarget	t32601g	Position generator: country physician
pTarget	t32601h	Position generator: country banker
pTarget	t32601k	Position generator: country motor mechanic
pTarget	t32601l	Position generator: country legal practitioner
pTarget	t32601m	Position generator: country optician
pTarget	t32601n	Position generator: country translator Position generator: country teacher at elementary
pTarget	t32601o	school/Hauptschule/Realschule
pTarget	t400000_g1	Birth country
pTarget	t400000_g1	Country of birth (aggregated)
pTarget	t400070_g2	Mother: Country of birth
pTarget	t400070_g1	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 mother's mother
pTarget	t400220_g2	Mother's mother: country of birth (aggregated)
pTarget	t400240_g1	Country of birth of your mother's father
pTarget	t400240_g2	Mother's father: Country of birth (aggregated)
pTarget	t400260_g1	Country of birth of your father's mother
pTarget	t400260_g2	Father's mother: country of birth (aggregated)
pTarget	t400280_g1	Country of birth of your father's father
pTarget	t400280_g2	Father's father: Country of birth (aggregated)
pTarget	t400500_g3	Group of origin
pTarget	t400500_g3v1	Group of origin
pTarget	t405510_g1	Country of birth Respondent
pTarget	t405510_g2	Country of birth Respondent (aggregated)
pTarget	t405560_g1	Country of birth Mother Respondent
pTarget	t405560_g2	Country of birth Mother Respondent (aggregated)
pTarget	t405570_g1	Country of birth Maternal grandmother
pTarget	t405570_g2	Country of birth Maternal grandmother (aggregated)
pTarget	t405580_g1	Country of birth Maternal grandfather

Table 3: (continued)

		Table 31 (continued)
file	variable	label
pTarget	t405580_g2	Country of birth Maternal grandfather (aggregated)
pTarget	t405600_g1	Country of birth Father Respondent
pTarget	t405600_g2	Country of birth Father Respondent (aggregated)
pTarget	t405610_g1	Country of birth Paternal grandmother
pTarget	t405610_g2	Country of birth Paternal grandmother (aggregated)
pTarget	t405620_g1	Country of birth Paternal grandfather
pTarget	t405620_g2	Country of birth Paternal grandfather (aggregated)
pTarget	t406100_g2	other nationality
pTarget	t751004_g1	Country of residence (abroad)
pTarget	t751004_g2	Country of residence (aggregated)
pTarget	t751015_g1	Country of secondary residence (abroad)
pTarget	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)
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 (ag-
		gregated)
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
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)
<b>TargetMethods</b>	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 (aggre-
		gated)
pParent	p412001_g1	Interaction language Household, detailed (ISO
		639.2)
pParent	p412001_g2	Interactive language household detailed (aggre-
		gated)

Table 3: (continued)

	,	table of (continued)
file	variable	label
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)
pTarget	t414000_g1	First mother tongue (ISO 639.2)
pTarget	t414000_g2	First mother tongue (categorized)
pTarget	t414002_g1	Second mother tongue (ISO 639.2)
pTarget	t414002_g2	Second mother tongue (categorized)
pParent	p401150_g1	Citizenship Respondent not German
pParent	p404050_g1	Other citizenship Partner
pParent	p407050_g1	Citizenship Target child

Table 3: (continued)

file	variable	label
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	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 Weights Weights	tx80109_g2 stratum_imp2 stratum_imp3	Sample: Federal state school implicit stratum 2 (federal states of institution) implicit stratum 3 (regional classification of institution)

Table 4: (continued)

file	variable	label
Weights	stratum imp4	implicit stratum 4 (organizing institution)
pEducator	e537110_g2	Place of study Teaching degree course (federal state)
pEducator	e537110_g2	Place of study Teaching degree course (administra-
pradicato.	6337110_63	tive district)
pEducator	e537110_g4	Place of study Teaching degree course (district, sta-
	_0	tus 2013)
pEducator	e537170_g2	Location: passed the state examination (federal
		state)
pEducator	e537170_g3	Location: passed the state examination (administra-
		tive district)
pEducator	e537170_g4	Location: passed the state examination (district, sta-
		tus 2013)
pParent	p751001_g2	Place of residence (federal state)
pTarget	t700101_g2	Municipality of birth (federal state)
pTarget	t751001_g2	Residential municipality (RS federal state)
pTarget	t751011_g2	Municipality secondary residence (Federal state)
pTarget	ts11202_g2	Municipality of school (federal state)
pTarget	ts11203	School federal state
pTarget	tx44401_g2	Location of school (federal state)
spEmp	ts23237_g2	Location of workplace (RS federal state)
spParentSchool	p723030_g2	Municipality of school (federal state)
spSchool	ts11202_g2	Municipality of school (federal state)
spSibling	p723050	Federal state of school
spVocPrep	ts13105_g2	Municipality of measure (federal state)
spVocTrain	ts15207_g2	Municipality of training facility (federal state)
spVocTrain	ts15429	Federal state of university location
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	t700101_g3	Municipality of birth (administrative district)
pTarget	t700101_g4	Municipality of birth (district)
pTarget	t751001_g3	Residential municipality (administrative district)
pTarget	t751001_g4	Residential municipality (district)
pTarget	t751011_g3	Municipality secondary residence (administrative
		district)
pTarget	t751011_g4	Municipality secondary 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)
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)

Table 4: (continued)

file	variable	label
spSchool spSchool spVocPrep spVocPrep	ts11202_g3 ts11202_g4 ts13105_g3 ts13105_g4	Municipality of school (administrative district) Municipality of school (district) Municipality of measure (administrative district) Municipality of measure (district)
spVocTrain spVocTrain	ts15207_g3 ts15207_g4	Municipality of training facility (administrative district)  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)

pInstitution,

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
- 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

[CohortProfile] tx80505: List of children/students: Special educational needs Target child (aggregated)

RemoteNEPS		Download
No special educational needs	1	No special educational needs
Special needs with focus reading	2	Special educational needs
Special needs with focus language	3	
Special needs with focus emotional and social devel-	4	
opment		
Special needs with focus autism	5	
Special needs with other priority	6	
unknown	7	
Special needs with focus vision	8	
Special needs with focus hearing	9	
Special needs with focus physical motoric develop-	10	
ment		
Special needs with focus mental development	11	
Special needs with focus learning/language	23	
Special needs with focus learning/emotional devel-	24	
opment		
Special needs with focus learning/autism	25	
Special needs with focus learning/other	26	
Special needs with focus language/emotional social	34	
development		
Special needs with focus language/others	36	
Special needs with focus emotional social develop-	45	
ment/autism		
Special needs with focus emotional social develop-	46	
ment/other		
Special needs with focus autism/seing	58	
by SK marked with cross/line	96	
not administered	97	
no indication	99	
Special needs with focus learning/language/emo-	234	
tional social development		
Special needs with focus learning/language/Autism	235	
Special needs with focus learning/language/Others	236	
Special needs with focus language/emotional social	346	
development/others		
Special needs with focus learning/language/mental	2311	
development		
Special needs with focus learning/emotional social	2411	
mental development		

Table 5: (continued)

### [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

[pCourseGerman] ed0001h: Number of German lessons (categorized)

RemoteNEPS		Download
	1	to 4
	2	5
	3	6 and more

[pCourseGerman] ed0001m: German lessons (duration in minutes per lessons, categorized)

RemoteNEPS		Download
	1	45
	2	other specification

[pCourseGerman] ed0002h: Remedial teaching (number of lessons, categorized)

RemoteNEPS		Download	
	1	below 2	
	2	2 or more	

[pCourseMath] ed00035: Remedial teaching (number of lessons, categorized)

1	halaw 2
	below 2
2	2 or more
	2

[pCourseMath] ed0025h: Number of mathematics lessons (categorized)

RemoteNEPS		Download
	1	to 4
	2	5
	3	6 and more

Table 5: (continued)

### [file] variable: label

[pCourseMath] ed0025m: Mathematics lessons (duration in minutes per lessons, categorized)

RemoteNEPS		Download
	1	45
	2	other specification
[pEducator] e229820: Work in professi	ion (vear	s. 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

[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

Table 5: (continued)

## [file] variable: label

[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	

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

RemoteNEPS		Download
Hauptschule	1	Hauptschule
Realschule	2	Realschule
Gymnasium	3	Gymnasium
Integrated comprehensive school	4	Integrated comprehensive school
combined Hauptschule and Realschule «also	5	combined Hauptschule and Realschule «also
Gemeinschaftsschule, Oberschule, Stadtteilschule,		Gemeinschaftsschule, Oberschule, Stadtteilschule,
extended Realschule, Realschule plus, Werkre-		extended Realschule, Realschule plus, Werkre-
alschule, Mittelstufenschule»		alschule, Mittelstufenschule»
Mittelschule (Saxony/Bavaria)	6	Mittelschule/regular school/secondary school/Regionale Schule
Regular school (Thuringia)	7	8.3
Regionale Schule (Rhineland Palatinate)	8	
Secondary school (Bremen, NRW)	9	
Remedial level (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 (NRW)	14	

Table 5: (continued)

## [file] variable: label

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

RemoteNEPS		Download
Hauptschule	1	Hauptschule
Realschule	2	Realschule
Gymnasium	3	Gymnasium
Integrated comprehensive school	4	Integrated comprehensive school
combined Hauptschule and Realschule «also	5	combined Hauptschule and Realschule «also
Gemeinschaftsschule, Oberschule, Stadtteilschule,		Gemeinschaftsschule, Oberschule, Stadtteilschule,
extended Realschule, Realschule plus, Werkre-		extended Realschule, Realschule plus, Werkre-
alschule, Mittelstufenschule»		alschule, Mittelstufenschule»
Mittelschule (Saxony/Bavaria)	6	Mittelschule/regular school/secondary school/Re-
		gionale Schule
Regular school (Thuringia)	7	
Regionale Schule (Rhineland Palatinate)	8	
Secondary school (Bremen, NRW)	9	
Remedial level (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 (NRW)	14	

## [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		

Table 5: (continued)

## [file] variable: label

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

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

## [pTarget] 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		

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

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

Table 5: (continued)

## [file] variable: label

[pTarget] 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		

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

file	variable	label
Weights	tx80113	Total number of classes in the 8th grade (according to the Fed. Stat. Office)
Weights	tx80114	Total number of classes in the 8th grade (according to the Fed. Stat. Office)
pCourseClass	e190011	Class: number of students with special needs
pCourseClass	e199001	Class: number of students with special needs learning
pCourseClass	e199002	Class: number of students with special needs language
pCourseClass	e199003	Class: number of students with special needs physical/motor development
pCourseClass	e199004	Class: number of students with special needs emotional/social development
pCourseClass	e199005	Class: number of students with special needs mental development
pCourseClass	e199006	Class: number of students with special needs sight
pCourseClass	e199007	Class: number of students with special needs hearing
pCourseClass	e199008	Class: number of students with special needs autism
pCourseClass	e227400	Class: number of female students

Table 6: (continued)

		(00)
file	variable	label
pCourseClass	e227401	Class: number of male students
pCourseClass	e451000	Daycare: number of students with migrant back- ground
pCourseClass	e79201a	Class: share class affiliation - lower stratum
pCourseClass	e79201b	Class: share class affiliation - middle stratum
pCourseClass	e79201c	Class: share class affiliation - upper stratum
pCourseClass	e79202a	Class: share parents 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
pParent	p435030_g1	"Religion & Religiousness: other religious community"
pTarget	t435030_g1	"Religion & Religiousness: other religious community"
pTarget	t43504a_g1	Religion or denomination (specific)
pTarget	tf40231_g1	Study area subject combination first applied for - Subject 1 (destatis 2010/11)
pTarget	tf40231_g3	ISCED-97 subject combination first applied for - Subject 1 (3-digits)
pTarget	tf40231_g4	ISCED-97 subject combination first applied for - Subject 1 (2-digits)
pTarget	tf40232_g1	Study area subject combination first applied for - Subject 2 (destatis 2010/11)
pTarget	tf40232_g3	ISCED-97 subject combination first applied for - Subject 2 (3-digits)
pTarget	tf40232_g4	ISCED-97 subject combination first applied for - Subject 2 (2-digits)
pTarget	tf40233_g1	Study area subject combination first applied for - Subject 3 (destatis 2010/11)
pTarget	tf40233_g3	ISCED-97 subject combination first applied for - Subject 3 (3-digits)
pTarget	tf40233_g4	ISCED-97 subject combination first applied for - Subject 3 (2-digits)
pTarget	tf40235_g1	Study area subject combination second applied for - Subject 1 (destatis 2010/11)

Table 6: (continued)

		table of (continued)
file	variable	label
pTarget	tf40235_g3	ISCED-97 subject combination second applied for - Subject 1 (3-digits)
pTarget	tf40235_g4	ISCED-97 subject combination second applied for - Subject 1 (2-digits)
pTarget	tf40236_g1	Study area subject combination second applied for - Subject 2 (destatis 2010/11)
pTarget	tf40236_g3	ISCED-97 subject combination second applied for - Subject 2 (3-digits)
pTarget	tf40236_g4	ISCED-97 subject combination second applied for - Subject 2 (2-digits)
pTarget	tf40237_g1	Study area subject combination second applied for - Subject 3 (destatis 2010/11)
pTarget	tf40237_g3	ISCED-97 subject combination second applied for - Subject 3 (3-digits)
pTarget	tf40237_g4	ISCED-97 subject combination second applied for - Subject 3 (2-digits)
spParentGap	ps29102	other activity
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

Table 6: (continued)

file	variable	label
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.

## 3.1 Number of employees

Total

15982

Missing .

Total

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 SC6\_pTarget\_D\_5-1-0.dta (NEPS SUF, SC6 5.1.0 (download); doi:10.5157/NEPS:SC6:5.1.0) (NEPS SUF, SC6 5.1.0 (remote); doi:10.5157/NEPS:SC6:5.1.0) t731406 D -- Number of mother's employees (categorized) t731406 D -- Number of mother's employees (categorized) Freq. Valid -98 Don't know Valid -98 Don't know -97 Refused -97 Refused 36700 36700 -54 Missing by design -54 Missing by design 1 1 to 4 1 to 4 330 330 5 to 9 10 to 19 64 22 5 to 9 10 to 19 20 and more 28 20 and more 28 Total Total Missing . 15982 Missing . 15982 Total 53557 53557 Total t731406\_R -- Number of mother's employees t731406\_R -- Number of mother's employees Valid -98 Don't know Valid -54 Missing by design | -53 Anonymized | 36700 -97 Refused 37575 -54 Missing by design 36700 Total 0 None 423 Missing . 1 to 4 330 Total 53557 5 to 9 10 to 19 22 50 to 99 3 100 to 199 200 to 249

## 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			
SCG_pTarget_R_5-1-0.dta (NEPS SUF, SCG 5.1.0 (remote); doi:10.5157/NEPS:SC  1.405010_g2 Country of birthplace (categorized)  1.50		Freq.  2  36417  5  15388  52  244  98  182  1113  522  42  154  33  73  30  74	SC6_pTarget_D_5-1-0.dta (NEPS SUF, SC6 5.1.0 (download); doi:10.5157/NEPS:  t405010_g2 Country of birthplace (categorized)			Freq.  Freq.  2 36417 5 15388 52 244 98 182 2113 522 42 154 33 73
	2 Italy 3 Poland 4 Romania 5 Turkey 6 Former Yugoslavia 7 Former Soviet Union 8 Central and South America, Caribbean 9 Northern and Western Europe 10 North America 12 Other Middle East and North Africa 13 Other Africa	52 244 98 182 113 522 42 154 33 73 30		2 Italy 3 Poland 4 Romania 5 Turkey 6 Former Yugoslavia 7 Former Soviet Union 8 Central and South Ar 9 Northern and Western 10 North America 12 Other Middle East an 13 Other Africa 14 Other Asia 15 Other Central and Ea	merica, Caribbean   n Europe	
	0_g1R Country of place of birth	 Freq.		_glR Country of place		
	-97 Refused   -54 Missing by design   -26 Foreign, but not codeable   0 germany   120 yugoslavia   121 albania   122 bosnia and herzegovina   124 belgium   :   477 uzbekistan   479 china   482 malaysia   499 other asia   Total	2 36417 5 15388 30 4 22 5 : 6 7 2		-54 Missing by design   -53 Anonymized   Total	36417 17140	

## 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
	Tota	al		7832
Missing				3545
Total				11377

p406010\_g1R -- Country of birth target child

		Freq
Valid	-98 Don't know	1
	-20 Abroad, but not codeable	Ì
	0 germany	765
	124 belgium	Ì
	125 bulgaria	ĺ
	:	
	475 syrian arab republic	Ì
	476 thailand	ĺ
	479 china	
	536 new zealand	ĺ
	Total	783
Missing		354
Total		1137

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
	Tota	al		7832
Missing				3545
Total				11377

p406010\_g1R -- Country of birth target child

				Freq.		
			+			
Valid	-53	Anonymized	1	7832		
Missing			1	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 ( $t\times80109\_g1$ ), present in both SUF-versions (upper left and upper right). The second variable  $t\times80109\_g2R$ , 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)

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

tx80109\_g2R -- Sample: Federal state school

			Freq
 Valid		Not determinable	458
	1	Schleswig-Holstein	784
	2	Hamburg	37
	3	Lower Saxony	2209
	4	Bremen	158
	5	North Rhine-Westphalia	439
	6	Hesse	130
	7	Rhineland-Palatinate	97
	8	Baden-Wuerttemberg	326
	9	Bavaria	267
	10	Saarland	15:
	11	Berlin (Complete)	404
	12	Brandenburg	114
	13	Mecklenburg-Western Pomerania	619
	14	Saxony	61
	15	Saxony-Anhalt	40
	16	Thuringia	600
	Tota	al	2054

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)

		<u> </u>	Freq.
Valid	-54 1 2 3 4 5	Unspecific missing   Missing by design   Below 10   10 to 14   15 to 19   20 to 24   25 to 29   30 to 34	10 1803 3 26 203 450 169
	Tota	al	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)

	1	Freq.
Valid	-90 Unspecific missing   -54 Missing by design   1 Below 10   2 10 to 14   3 15 to 19   4 20 to 24   5 25 to 29   6 30 to 34   Total	10 1803 3 26 203 450 169 4 2668
	TOLAL	2000

e227400\_g1R -- Class: number of students total

		Freq.
Valid	-54 Missing by design -53 Anonymized Total	1803   865   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	p32601a	Position generator: country engineer
pParent	p326016 p32601c	Position generator: country warehouse/transport worker
pParent	p32601d	Position generator: country social worker
pParent	p32601d p32601e	Position generator: country sales clerk
pParent	p32601e p32601f	Position generator: country police officer
pParent	p32601g	Position generator: country doctor
•	p32601g p32601h	,
pParent	•	Position generator: country banker
pParent	p32601k	Position generator: country car 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 Grund-, Haupt-, Re-
5 .	400040 4	alschule
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 of 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 Partner'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)

table 7. (continued)				
file	variable	label (*only available OnSite)		
pParent	p407060_g2	Second citizenship Target child (aggregated)		
pParent	p731804_g1	Highest educational qualification Respondent abroad		
		(country)		
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	Highest educational qualification Partner abroad (country)		
pParent	p731854_g2	Highest educational qualification Partner abroad (country, aggregated)		
pParent	p731873 g1	Country of vocational qualification, partner, (additional		
'	0	response)		
pParent	p731873_g2	Country of professional qualification Partner (additional		
		response, aggregated)		
pTarget	t32601a	Position generator: country nurse		
pTarget	t32601b	Position generator: country engineer		
pTarget	t32601c	Position generator: country warehouse/transport worker		
pTarget	t32601d	Position generator: country social worker		
pTarget	t32601e	Position generator: country salesperson		
pTarget	t32601f	Position generator: country police officer		
pTarget	t32601g	Position generator: country physician		
pTarget	t32601h	Position generator: country banker		
pTarget	t32601k	Position generator: country motor mechanic		
pTarget	t32601l	Position generator: country legal practitioner		
pTarget _	t32601m	Position generator: country optician		
pTarget	t32601n	Position generator: country translator		
pTarget	t32601o	Position generator: country teacher at elementary school/Hauptschule/Realschule		
pTarget	t400000 g1	Birth country		
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 mother's mother		
pTarget	t400220_g2	Mother's mother: country of birth (aggregated)		
pTarget	t400240_g1	Country of birth of your mother's father		
pTarget	t400240_g2	Mother's father: Country of birth (aggregated)		
pTarget	t400260_g1	Country of birth of your father's mother		
pTarget	t400260_g2	Father's mother: country of birth (aggregated)		
pTarget	t400280_g1	Country of birth of your father's father		
pTarget	t400280_g2	Father's father: Country of birth (aggregated)		
pTarget	t400500_g3	Group of origin		
pTarget	t400500_g3v1	Group of origin		
pTarget	t405510_g1	Country of birth Respondent		
pTarget	t405510_g2	Country of birth Respondent (aggregated)		
pTarget	t405560_g1	Country of birth Mother Respondent		
pTarget	t405560_g2	Country of birth Mother Respondent (aggregated)		

Table 7: (continued)

file	variable	label (*only available OnSite)
pTarget	t405570_g1	Country of birth Maternal grandmother
pTarget	t405570_g2	Country of birth Maternal grandmother (aggregated)
pTarget	t405580_g1	Country of birth Maternal grandfather
pTarget	t405580_g2	Country of birth Maternal grandfather (aggregated)
pTarget	t405600_g1	Country of birth Father Respondent
pTarget	t405600_g2	Country of birth Father Respondent (aggregated)
pTarget	t405610_g1	Country of birth Paternal grandmother
pTarget	t405610_g2	Country of birth Paternal grandmother (aggregated)
pTarget	t405620_g1	Country of birth Paternal grandfather
pTarget	t405620_g2	Country of birth Paternal grandfather (aggregated)
pTarget	t406100_g2	other nationality
pTarget	t751004_g1	Country of residence (abroad)
pTarget	t751004_g2	Country of residence (aggregated)
pTarget	t751015_g1	Country of secondary residence (abroad)
pTarget	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)
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
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	p412001_g1	Interaction language Household, detailed (ISO 639.2)
pParent	p412001 g2	Interactive language household detailed (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

Table 7: (continued)

file	variable	label (*only available OnSite)	
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)	
pTarget	t414000_g1	First mother tongue (ISO 639.2)	
pTarget	t414000_g2	First mother tongue (categorized)	
pTarget	t414002_g1	Second mother tongue (ISO 639.2)	
pTarget	t414002_g2	Second mother tongue (categorized)	
pParent	p401150_g1	Citizenship Respondent not German	
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	t406100_g1	other nationality	
TargetMethods	tx80411	Problems Contacting (open)	*
TargetMethods	tx80413	Problems Conducting (open)	*
pCourseGerman	ed0015x	Spelling knowledge - other	*
pCourseGerman	ed0016h	Strategies - other	*
plnstitution	h22131x	All-day school programs: Other, text 1	*
plnstitution	h22131y	All-day school programs: Other, text 2	*
plnstitution	h22131z	All-day school programs: Other, text 3	*
pInstitution	h22202t	School: quality: other, text	*

Table 7: (continued)

file	variable	label (*only available OnSite)	
plnstitution	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	*
plnstitution	h229005	School: approach: promotion, text	*
plnstitution	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	*
pInstitution	hd0041b	other function in school administration, namely:	*
pParent	p19020j	Special needs OPEN	*
pParent	p26210t	Parents: tutoring, other subject (open)	*
pParent	p296402	Wish: What profession should TC learn	*
pParent	p401001	Immigration status other	*
pParent	p731803	Highest educational qualification Respondent, type open	*
pParent	p731814	Vocational 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	t242401	Subject other	*
pTarget	t261201	Student: Internship duration	*
pTarget	t26212a	Student: Tutoring subject 1. response	*
pTarget	t26212b	Student: Tutoring subject 2. response	*
pTarget	t26212c	Student: Tutoring subject 3. response	*
pTarget	t262400	Student: part-time job content	*
pTarget	t268111	Student: Tutoring Place somewhere else, Text	*
pTarget	t27111d	Courses outside of school: other courses: text, where	*
pTarget	t27111t	Courses outside School: other courses, open	*
pTarget	t27111u	Courses outside of school: other courses: text, what	*
pTarget	t27111v	Students: courses outside the school: music school	*
nTorgot	+27111	classes - open	
pTarget	t27111w	Courses outside the school - adult education center (VHS) - open	*
pTarget	t27111x	Course; youth art school - open	*
pTarget	t27270h	Student: Participation organization/ group: other, text	*
pTarget	t29172n	Admission Master's program: other open	*
pTarget	t29175i	other information and qualification opportunities, open	*
pTarget	t29186m	other sources of information, open	*
pTarget	t31060a	Idealistic career aspirations: career aspiration	*
pTarget	t31060c	Idealistic educational aspirations: Ideal profession	*
pTarget	t31160a	Realistic career aspirations: career aspiration	*
pTarget	t31160c	Realistic educational aspirations: expected profession	

Table 7: (continued)

		•	
file	variable	label (*only available OnSite)	
pTarget	t34002f	Frequency reading (genre): namely	*
pTarget	t405531	Immigration status other	*
pTarget	t42850x	Country of origin - family	*
pTarget	t526012	Place warm meal: other place	*
pTarget	t531229	other source of finance, open	*
pTarget	t731302	other school-leaving qualification mother	*
pTarget	t731304	Other professional qualification mother (open)	*
pTarget	t731305	other educational institution Mother (open)	*
pTarget	t731307	other higher education qualification Mother (open)	*
pTarget	t731309	other institution awarding higher education degrees	*
		Mother (open)	
pTarget	t731352	other school-leaving qualification father	*
pTarget	t731354	Other professional qualification father (open)	*
pTarget	t731355	other educational institution Father (open)	*
pTarget	t731357	other higher education qualification Father (open)	*
pTarget	t731359	other institution awarding higher education degrees Fa-	*
		ther (open)	
pTarget	td0021x	Favorite subject	*
pTarget	te00013	Year of graduation - open	*
pTarget	te05017	Idealistic educ. aspiration - higher ed. inst. type - other,	*
		namely	
pTarget	te05025	Idealistic educ. asp type of voc. train something else,	*
		namely	
pTarget	te05112	Idealistic educational aspiration - type of higher education	*
		institution - open	
pTarget	te05122	Idealistic educational aspiration - type of vocational train-	*
		ing - open	
pTarget	te06010	Idealistic aspiration study subject	*
pTarget	te06020	Idealistic aspiration study subject combination subject	*
pTarget	te08010	Idealistische Aspiration: Ausbildungsberuf	*
pTarget	te09017	Realistic educ. asp type higher educ. instit other,	*
P 1411 801		namely	
pTarget	te09025	Realistic educ. asp type of voc. training - something	*
h	1005025	else, namely	
pTarget	te09112	Realistic educational aspiration – type of higher education	*
h .a. 800	1003111	institution - open	
pTarget	te09122	Realistic educational aspiration – type of vocational train-	*
Piaiger	1003122	ing - open	
pTarget	te10010	Realistic aspiration study subject	*
pTarget	te10010	Realistic educational aspiration subject of study combina-	*
praiget	1010020	tion subject	•
pTarget	te11010	Realistic educational aspiration: Vocational training	*
pTarget	te14116	other subjects at advanced requirement level - other sub-	*
L	1011110	ject	
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	*
Piaiget	(C10000	Stil Chaillination Subject	•

Table 7: (continued)

file	variable	label (*only available OnSite)	
pTarget	tf00070	First career aspiration	*
pTarget	tf0013b	Second career aspiration Indication	*
pTarget	tf0021b	Vocational training	*
pTarget	tf00260	Application Profession 1	*
pTarget	tf0029b	Application Profession 2	*
pTarget	tf24540	Text Selected occupation	*
pTarget	tg50201	other higher education degree	*
pTarget	tg5120s	Study organization semester/trimester	*
pTarget	tg7991f	Type of job: other - open	*
pTarget	th18047	Changed learning opportunities during school closure:	*
		other open	
pTarget	th24539	Text selected occupation (HV h_etauswahl 65kJM(SC3)/26fET(SC4,SC6))	*
pTarget	tm00056	Other learning material: open	*
pTarget	tm00115	Information higher education institution: 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)	*
spParentSchool	p723090	Type of school (open)	*
spSchool	ts11206	other type of school	*
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	ts15412	other degree (open)	*
spVocTrain	ts15458	Support during vocational training program other, open	*
xTargetCORONA	th80002	Content media - digital	*
xTargetCORONA	tm00040	Childcare situation NEPS child - open	*
xTargetCORONA	tm00048	Childcare situation - open	*
xTargetCORONA	tm00056	Other learning material: open	*
<b>5</b>		Ŭ 1 ·	

Table 7: (continued)

		,	
file	variable	label (*only available OnSite)	
xTargetCORONA	tm00071	Changed learning opportunities during school closure - other, open	*
xTargetCORONA	tm00085	Learning materials - open	*
xTargetCORONA	tm00097	Changed learning opportunities during school closure - other, open	*
xTargetCORONA	tm00109	Offered courses - other, open	*
xTargetCORONA	tm00115	Learning materials, open	*
xTargetCORONA	tm00140	Chances Future	*
CohortProfile	tx80109_g2	Sample: Federal state school	
Weights	stratum_imp2	implicit stratum 2 (federal states of institution)	
Weights	stratum_imp3	implicit stratum 3 (regional classification of institution)	
Weights	stratum_imp4	implicit stratum 4 (organizing 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 (district, status 2013)	
pEducator	e537170_g2	Location: passed the state examination (federal state)	
pEducator	e537170_g3	Location: passed the state examination (administrative district)	
pEducator	e537170_g4	Location: passed the state examination (district, status 2013)	
pParent	p751001_g2	Place of residence (federal state)	
pTarget	t700101_g2	Municipality of birth (federal state)	
pTarget	t751001_g2	Residential municipality (RS federal state)	
pTarget	t751011_g2	Municipality secondary residence (Federal state)	
pTarget	ts11202_g2	Municipality of school (federal state)	
pTarget	ts11203	School federal state	
pTarget	tx44401_g2	Location of school (federal state)	
spEmp	ts23237_g2	Location of workplace (RS federal state)	
spParentSchool	p723030_g2	Municipality of school (federal state)	
spSchool	ts11202_g2	Municipality of school (federal state)	
spSibling	p723050	Federal state of school	
spVocPrep	ts13105_g2	Municipality of measure (federal state)	
spVocTrain	ts15207_g2	Municipality of training facility (federal state)	
spVocTrain	ts15429	Federal state of university location	
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	t700101_g3	Municipality of birth (administrative district)	*
pTarget	t700101_g4	Municipality of birth (district)	*
pTarget	t751001_g3	Residential municipality (administrative district)	*
pTarget	t751001_g4	Residential municipality (district)	*
pTarget	t751011_g3	Municipality secondary residence (administrative district)	*
pTarget	t751011_g4	Municipality secondary 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)	*

Table 7: (continued)

file	variable	label (*only available OnSite)	
pTarget	tx44401_g4	Location of the school (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	
pCourseGerman	ed0001h	Lessons German (number)	
pCourseGerman	ed0001m	Lessons German (minutes)	
pCourseGerman	ed0002h	Number of remedial German lessons	
pCourseMath	ed00035	Remedial Math teaching lessons	
pCourseMath	ed0025h	Lessons Mathematics (number)	
pCourseMath	ed0025m	Lessons Mathematics (minutes)	
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 Teaching degree course	
pEducator	e537150	Year of state examination	
pEducator	e76212y	Year of birth	
CohortProfile	tx80505	List of children/students: Special educational needs Target child	
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	
pTarget	t731406	Number of mother's employees	
pTarget	t731416	Number of employees Mother	
pTarget	t731456	Number of father's employees	
pTarget	t731466	Number of employees Father	
Weights	tx80113	Total number of classes in the 8th grade (according to the	
		Fed. Stat. Office)	
Weights	tx80114	Total number of classes in the 8th grade (according to the Fed. Stat. Office)	
pCourseClass	e190011	Class: number of students with special needs	
pCourseClass	e199001	Class: number of students with special needs learning	
pCourseClass	e199002	Class: number of students with special needs language	
pCourseClass	e199002	Class: number of students with special needs physical/-	
		motor development	
pCourseClass	e199004	Class: number of students with special needs emotional/social development	

Table 7: (continued)

		(	
file	variable	label (*only available OnSite)	
pCourseClass	e199005	Class: number of students with special needs mental development	
pCourseClass	e199006	Class: number of students with special needs sight	
pCourseClass	e199007	Class: number of students with special needs hearing	
pCourseClass	e199008	Class: number of students with special needs autism	
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	Class: share class affiliation - lower stratum	
pCourseClass	e79201b	Class: share class affiliation - middle stratum	
pCourseClass	e79201c	Class: share class affiliation - upper stratum	
pCourseClass	e79202a	Class: share parents 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	*
pParent	p435030_g1	"Religion & Religiousness: other religious community"	
pTarget	t435030_g1	"Religion & Religiousness: other religious community"	
pTarget	t43504a_g1	Religion or denomination (specific)	
pTarget	tf40231_g1	Study area subject combination first applied for - Subject 1 (destatis 2010/11)	
pTarget	tf40231_g3	ISCED-97 subject combination first applied for - Subject 1 (3-digits)	
pTarget	tf40231_g4	ISCED-97 subject combination first applied for - Subject 1 (2-digits)	
pTarget	tf40232_g1	Study area subject combination first applied for - Subject 2 (destatis 2010/11)	
pTarget	tf40232_g3	ISCED-97 subject combination first applied for - Subject 2 (3-digits)	
pTarget	tf40232_g4	ISCED-97 subject combination first applied for - Subject 2 (2-digits)	
pTarget	tf40233_g1	Study area subject combination first applied for - Subject 3 (destatis 2010/11)	
pTarget	tf40233_g3	ISCED-97 subject combination first applied for - Subject 3 (3-digits)	
pTarget	tf40233_g4	ISCED-97 subject combination first applied for - Subject 3 (2-digits)	
pTarget	tf40235_g1	Study area subject combination second applied for - Subject 1 (destatis 2010/11)	
pTarget	tf40235_g3	ISCED-97 subject combination second applied for - Subject 1 (3-digits)	
pTarget	tf40235_g4	ISCED-97 subject combination second applied for - Subject 1 (2-digits)	
pTarget	tf40236_g1	Study area subject combination second applied for - Subject 2 (destatis 2010/11)	
pTarget	tf40236_g3	ISCED-97 subject combination second applied for - Subject 2 (3-digits)	

## A Appendix

Table 7: (continued)

file	variable	label (*only available OnSite)	
pTarget	tf40236_g4	ISCED-97 subject combination second applied for - Subject 2 (2-digits)	
pTarget	tf40237_g1	Study area subject combination second applied for - Subject 3 (destatis 2010/11)	
pTarget	tf40237_g3	ISCED-97 subject combination second applied for - Subject 3 (3-digits)	
pTarget	tf40237_g4	ISCED-97 subject combination second applied for - Subject 3 (2-digits)	
spParentGap	ps29102	other activity	*
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			*

## **B** References

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