

1460²⁰²⁵

SOEP Survey Papers
Series D – Variable Descriptions and Coding

SOEP-Core v39 – PGEN: Person-Related Status and Generated Variables

SOEP Group

Running since 1984, the German Socio-Economic Panel (SOEP) is a wide-ranging representative longitudinal study of private households, located at the German Institute for Economic Research, DIW Berlin.

The aim of the SOEP Survey Papers Series is to thoroughly document the survey's data collection and data processing. The SOEP Survey Papers is comprised of the following series:

- Series A – Survey Instruments (Erhebungsinstrumente)
- Series B – Survey Reports (Methodenberichte)
- Series C – Data Documentation (Datendokumentationen)
- Series D – Variable Descriptions and Coding
- Series E – SOEPmonitors
- Series F – SOEP Newsletters
- Series G – General Issues and Teaching Materials

The SOEP Survey Papers are available at <http://www.diw.de/soepsurveyspapers>

Editors:

- Dr. Jan Goebel, DIW Berlin
- Dr. Christian Hunkler, DIW Berlin
- Prof. Dr. Philipp Lersch, DIW Berlin and Humboldt-Universität zu Berlin
- Dr. Levent Neyse, DIW Berlin and Berlin Social Science Center (WZB)
- Prof. Dr. Carsten Schröder, DIW Berlin and Freie Universität Berlin
- Prof. Dr. Sabine Zinn, DIW Berlin and Humboldt-Universität zu Berlin

Please cite this paper as follows:

SOEP Group, 2025. SOEP-Core v39 – PGEN: Person-Related Status and Generated Variables. SOEP Survey Papers 1460: Series D – Variable Descriptions and Coding. Berlin: DIW Berlin/SOEP



This work is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

© 2025 by SOEP

ISSN: 2193-5580 (online)

DIW Berlin
German Socio-Economic Panel (SOEP)
Mohrenstr. 58
10117 Berlin
Germany

soeppapers@diw.de

SOEP-Core v39 – PGEN: Person-Related Status and Generated Variables

SOEP Group

2025

Contents

1	General Information	5
2	Identifiers	5
	pid – Never Changing Person ID	5
	hid – Current Wave HH Number	5
	cid – Original Household Number, Case ID	5
	syear – Survey Year	5
3	Own Nationality and Residential Status	6
	pgnation – 1. Nationality	6
	pgnationiso3n – 1. Nationality (ISO3N country code list)	7
	pgstatus_asyl – Status quo, Application for Asylum	8
	pgstatus_refu – Refugee residence status	8
4	Family Status and Partnership	9
	pgpartz – Partner Indicator	9
	pgpartnr – Partner Person Number	9
	pgfamstd – Marital Status In Survey Year	10
5	Wages and Salary	11
	pglabgro – Current Gross Labor Income in Euro	11
	pgimpgro – Imputation flag for LABGROxx	11
	pglabnet – Current Net Labor Income in Euro	12
	pgimpnet – Imputation flag for LABNETxx	12
	pgsndjob – Current Gross Secondary Income In Euro	13
	pgimpsnd – Imputation Flag For SNDJOBxx	13
	pgsndjob1 – Current Gross Income Secondary Job (1) In Euro	14
	pgsndjob2 – Current Gross Income Secondary Job (2) In Euro	14
	pgsndjob3 – Current Gross Income Secondary Job (3) In Euro	15
	pgimpsnd1 – Imputation flag, Current Gross Income Secondary Job (1)	16
	pgimpsnd2 – Imputation flag, Current Gross Income Secondary Job (2)	17
	pgimpsnd3 – Imputation flag, Current Gross Income Secondary Job (3)	17
6	Current Employment Status	17
	pgstib – Occupational Position	17
	pgemplst – Employment Status	19
	pglfs – Labor Force Status	20
	pgjobch – Occupational Change	21
	pgsndtyp1 – 1. secondary job: Occupational Position	23
	pgsndtyp2 – 1. secondary job: Occupational Position	24
	pgsndtyp3 – 3. secondary job: Occupational Position	24
7	Current Occupation	24
	pgisco88 – Current Occupational Classification (ISCO-88 Com)	25
	pgisco08 – Current Occupational Classification (ISCO-08)	26
	pgkldb92 – Current Occupational Classification (KldB92)	27
	pgkldb2010 – Current Occupational Classification (KldB2010)	28
	pgisei08 – Last Reached Isei Value (International Socio-Economic Index)	29
	pgmps08 – Last Reached MPS Value (Magnitude-Prestige-Scale, Wegener)	30
	pgsiops08 – last reached SIOPS score (stand. internat. occ. prestige scale, Treiman)	31

pggp08 – Last Reached EPG Value (Erikson, Goldthorpe, Portocarero)	32
pgisei88 – Last Reached Isei Value (International Socio-Economic Index)	33
pgmps92 – Last Reached MPS Value (Magnitude-Prestige-Scale, Wegener)	34
pgsiops88 – last reached SIOPS score (stand. internat. occ. prestige scale, Treiman)	35
pggp88 – Last Reached EPG Value (Erikson, Goldthorpe, Portocarero)	36
pgerljob – Working In Occupation Trained For	37
pgausb – Required Training For Job	37
pgerwzeit – Length Of Time With Firm	38
pgtatzeit – Actual Work Time Per Week	39
pgvebzeit – Agreed Upon Work Time Per Week	40
pguebstd – Overtime Per Week	40
pgoeffd – Civil Service	41
pgnace – Industry Occupation [pbra] (NACE Rev. 1.1, Sector)	41
pgnace2 – Industry Occupation [pbra] (NACE Rev. 2, Sector)	43
pgbetr – Size of the Company	44
pgallbet – Core Category Size Of The Company	45
8 Last Occupation	45
pgjobend – Reasons for occupational change	45
9 Employment History	47
pgexpft – Working Experience Full-Time Employment	47
pgexppt – Working Experience Part-Time Employment	48
pgexpue – Unemployment Experience	50
10 Volunteering	51
pghonor1 – First Voluntary Work	51
pghonor2 – Second Voluntary Work	52
pghonor3 – Third Voluntary Work	52
11 School, Higher and Vocational Education	52
pgisced97 – ISCED-1997-Classification	52
pgisced11 – ISCED-2011-Classification	53
pgcasmin – CASMIN Classification	53
pgbilzeit – Amount Of Education Or Training In Years	54
pgpsbil – School-Leaving Degree	55
pgpbil01 – Vocational Degree Received	56
pgpbil02 – College Degree	56
pgpbil03 – No Vocational Degree	57
pgpsbilo – School-Leaving Degree East Germany	57
pgpbilo – Vocational Degree Received East Germany	58
pgpsbila – School-Leaving Degree Outside Germany	58
pgpbila – Vocational Degree Outside Germany	59
pgfield – Field of tertiary education	60
pgdegree – Type of tertiary degree	61
pgtraina – Apprenticeship - two-digit occupation KldB92	63
pgtrainb – Vocational school - two-digit occupation KldB92	65
pgtrainc – Higher vocational school - two-digit occupation KldB92	66
pgtraind – Civil servant training - two-digit occupation KldB92	67
pgfdt_f – Data source FIELD, DEGREE, TRAIN	68
pgbiltzch – Change in Education since last survey / last year	68

pgbilztev – Change in Education, total observed period	69
12 Political Attitudes	69
pgpicoriga – Party Identification in Country of Origin	69
pgpicorigb – Party Identified with in Country of Origin	69
pgpicorigc – Party Family of PI in Country of Origin	70
13 Information on the Interview	71
imonth – Month Of Interview	71
iyear – Personal Related Survey Year	71
pgmode – Interview Method	72
inputdataset – Source dataset	72

1 General Information

The PGEN-files contain user friendly data on the individual level which are consolidated from different sources in long format. The plausibility is in many respects longitudinally validated, therefore the data here are in most situations superior compared to the data in PL or \$P.

The file contains one row for each person (PID) and surveyyear (SYEAR) (each combination of PID and SYEAR is unique) with a completed personal or youth questionnaire. These are the persons where NETTO in PPFADL has the values 10–17 or 19 which is equivalent for values 1 and 5 in NETT1.

The same content can be found in the wave specific \$PGEN files. The variable names are similar and differ especially in prefixes and suffixes.

In 2017 the file contains information about two special groups of first-time respondent refugee teenagers. First group of 143 respondents (netto 29) is analogous to 2016, part of the household questionnaire and the data are stored in the child dataset. The second group contains 108 individuals of age 16-17 from refugee sample, who received a special questionnaire. These respondents are part of youth dataset JUGENDL and can be identified by the instrument indicator value 73.

From version v34 on, PGAUTONO is not a part of data delivery.

From version v32 on, PGERWTYP is not a part of data delivery. The information related to PGERWTYP categories can be found in the variable(s) PGJOBCH, PGEMPLST, PGLFS.

2 Identifiers

pid – Never Changing Person ID

? Person questionnaire // First name (*from: soep-core/soep-core-1984-pe/Intro:pnr[35672]*)
The central individual identifier across time is PID, which is fixed over time (and of course datasets).

hid – Current Wave HH Number

This identifier groups all persons into households at the time of the most recent wave.

cid – Original Household Number, Case ID

The identifier of the household, when it is sampled and selected for interviewing for the first time. The CID is attached to all persons living in this household and all new persons inherit this identifier, when they are born or move in a SOEP household. It is fixed no matter how often a person changes the household in the course of time.

syear – Survey Year

? Person questionnaire // Household id (*from: soep-core/soep-core-1984-pe/Intro:hnr[35672]*)

1984	12245
1985	11090
1986	10646
1987	10516
1988	10023
1989	9710

1990	13972
1991	13669
1992	13397
1993	13179
1994	13417
1995	13768
1996	13511
1997	13283
1998	14670
... (9 rows omitted)	194536
2008	19945
2009	21035
2010	27124
2011	29264
2012	28520
2013	31523
2014	28042
2015	27743
2016	29870
2017	33265
2018	30997
2019	30397
2020	31083
2021	20770
2022	29002

3 Own Nationality and Residential Status

pgnation – 1. Nationality

1	Germany	640519
2	Turkey	23509
3	Ex-Yugoslavia	7448
4	Greece	8243
5	Italy	12275
6	Spain	4658
7	Ex-GDR (Country Of Origin Only)	0
10	Austria	1581
11	France	773
12	Benelux	119
13	Denmark	189
14	Great Britain	628
15	Sweden	103
16	Norway	37
17	Finland	104
...	(171 rows omitted)	49889
189	Central African Republic	0
190	Djibouti	0

191	Gabon	0
192	Comoros	0
193	Katar	0
194	Sahara	0
195	Ingushetia	8
196	Kosovo	250
222	Eastern Europe	0
333	Other Unspecified Foreign Country	0
999	ethnic minorities (e.g. Yazidi, Roma)	2
-1	No answer	99
-2	Does not apply	6
-7	Only available in less restricted edition	0
-8		49772

Waves: –2020

This variable is designed to integrate the information on respondent's nationality for all subsamples. Since some members of Sample B (persons with Turkish, Italian, Spanish, Greek, and Yugoslavian citizenship) received the question items in their own language up to 1995, to carry out an integrated analysis with Sample B, the user must obtain this information from the corresponding \$PAUSL files and add it to the individual data. The variable PGNATION thus offers a variable on nationality for all subsamples.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgnationiso3n - 1. Nationality (ISO3N country code list)

4	Afghanistan	399
8	Albania	185
10	Antarctica	0
12	Algeria	16
16	American Samoa	0
20	Andorra	0
24	Angola	4
28	Antigua and Barbuda	0
31	Azerbaijan	46
32	Argentina	30
36	Australia	28
40	Austria	101
44	Bahamas	0
48	Bahrain	2
50	Bangladesh	36
...	(229 rows omitted)	48540
862	Venezuela	25
876	Wallis and Futuna	0
882	Samoa	3
887	Yemen	14
894	Zambia	3
900	Kosovo	140
997	stateless	62
-1	No answer	134

-2	Does not apply	4
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	750440

Waves: 2021–

pgstatus_asyl – Status quo, Application for Asylum

1	[de] Schutzstatus zuerkannt (Anerkannter Fluechtling, Asylberechtigt, anderer Schutzstatus)	4999
2	Temporary Suspension of Deportation	513
3	Request to Leave Germany	343
4	Decision Regarding Residential Status Still Open	1948
-1	No answer	103
-2	Does not apply	27316
-5	Not Included In Questionnaire Version	27913
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	737077

This variable provides data on the current status of the application for asylum. The data are obtained by asking respondents if their application for asylum has been approved and if an official decision regarding the application for asylum has been made. Please also see `pgstatus_refu` and the variable `arefback` in the dataset `ppfadl`.

For more information, contact: Jana Nebelin (Tel. +49 30 89789-319; jnebelin@diw.de)

pgstatus_refu – Refugee residence status

1	In Proceedings	2459
2	[de] Schutzstatus zuerkannt (Asyl, Fluechtlingseigenschaft, Niederlassungserlaubnis, human. Aufnahme, sonst. human. Aufnahme)	6381
3	Temporary Suspension of Deportation	559
4	Other	467
-1	No answer	170
-2	Does not apply	25186
-5	Not Included In Questionnaire Version	27913
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	737077

This variable provides data on the current status of the refugee. The data are obtained by asking respondents for their current residence title. Please also see `pgstatus_asyl` and the variable `arefback` in the dataset `ppfadl`.

For more information, contact: Jana Nebelin (Tel. +49 30 89789-319; jnebelin@diw.de)

4 Family Status and Partnership

pgpartz – Partner Indicator

0	No partner	258407
1	Spouse, registered partner	410932
2	Partner	58359
3	Probably spouse, registered partner	582
4	Probably partner	688
5	not clear	71244
-1	No answer	0
-2	Does not apply	0
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

The variable PGPARTZ generated in the context of the partner identifier (PGPARTNR) to describe whether a person in a SOEP household has a partner in that household, and if so, the type of relationship existing between the partners. Relationships with persons outside the SOEP household are not covered by this variable.

To explain the codes:

Code 0 is assigned to all single persons living in households and those with partners outside the household. Codes 1 to 4 describe relationships. To assign Codes 1 and 2, the partnership has to be definable from the perspective of both partners unanimously. If conflicting information exists between partners, the codes 3 or 4 are assigned. If it is unclear whether an individual has no partner or whether she forms a couple with one other household member, we assign the code 5. Registered partnerships (civil unions) for same-sex couples were introduced in Germany in 2001. Though, registered partnerships are legally not equal to marriage, they are listed in the same category.

For more information, contact: Claudia Saalbach (Tel. +49-30-89789-320, csaalbach@diw.de)

pgpartnr – Partner Person Number

-1	No answer	0
-2	Does not apply	325891
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

Partner indicators have the purpose of defining couples in SOEP households and thus to make possible analyses on the dyadic level. Persons without spouse and (cohabitating) partner receive a missing code “-2” (=does not apply). Also, the variable PGPARTZ is coded 0, 3,

4, 5 in these cases. In couples, PGPARTNR is the value of the unchanging person ID number (=PID) of the partner. The assignment of the partner ID within households is based on four sources of information: A question in the person-file, that asks (unmarried) respondents to identify their partner in the household (PLK0001_* in PL), the household matrix reported by the head of household at the beginning of the interview (STELL_H in PBRUTTO), the partnership biography in the lifehistory calendar reported by new respondents (see also, biomars), and self-reports on marital status and life events, such as marriage, move in with partner, separation, etc. Since 2021, the relmatrix data set is also used to create partnership links. In unclear cases, due to temporal non-response for instance, we also consider longitudinal information from previous and prospective waves. Moreover, PGPARTNR is self-consistent between two individuals. For analyses of partner relationships, this information can be used to link all persons with their respective partners, and all information on both partners can also be stored in a common dataset.

For more information, contact: Claudia Saalbach (Tel. +49-30-89789-320, csaalbach@diw.de)

pgfamstd – Marital Status In Survey Year

1	Married	471828
2	Married, But Separated	18674
3	Single	200382
4	Divorced	57857
5	[de] Verwitwet / Lebenspartner/-in aus eingetragener gleichgeschlechtlicher Partnerschaft verstorben	45660
6	husband/wife abroad	1577
7	Registered Same-Sex Partnership, Living Together	1073
8	Registered Same-Sex Partnership, Living Apart	187
-1	No answer	2534
-2	Does not apply	0
-3	Not valid	440
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: all

Marital status is describing the institutional status of marriage at the time of the person interview. Marital status is based on information given by the respective person on his or her current relationship as well as on retrospective information about previous relationships asked in the biography questionnaire. Information on marital status when a child was born (provided in the biography information) is not used here, so contradicting information to file BIOBIRTH might still be possible. For those whose partner was identified within the household, marital status is counter-checked with the information given by the partner. Where contradictions can be found, indication of the person information is compiled if reasonable. If no information is available, the indication by position related to head of household is deferred. Remaining contradictions are solved using information on marriage status when a child was born as well as future reports on a given relationship. Marital status is only available for people, who were interviewed. Data on marital status provided here is generated from and hence consistent with the corresponding BIOMARSY file, although value labels differ between PGFAMSTD and SPELLTYP in BIOMARSY. Note that marital status in a

specific wave can be different between data distributions due to consistency checks using up-to-date information from following waves. Because of the newly introduced construction process of BIOMARSY, changes might be more than usual. Above, the partner indicator PGPARTZ supplied here in dataset PGEN as well might not match the information provided in PGFAMSTD in its entirety.

For more information, contact: Jascha Dräger (Tel. +49 30 89789-367, jdraeger@diw.de)

5 Wages and Salary

pglabgro - Current Gross Labor Income in Euro

-2	Does not apply	322905
-5	Not Included In Questionnaire Version	5286
-7	Only available in less restricted edition	0

Waves: all

The variable PGLABGRO represents the imputed gross labor income in the previous month generated for all SOEP respondents who are employed in a main job in each respective wave. Interviewees should consider overtime payments but no irregular one-time payments such as holiday or bonuses. Income details are consistently provided in euros for all waves. Item nonresponse is imputed in a two-stage procedure: first, with the “Row-and-Column” method of Little und Su (1989) using individual longitudinal data as well as cross-sectional trend data (cf. Joachim R. Frick and Markus M. Grabka (2005): Item-Non-Response on Income Questions in Panel surveys: Incidence, Imputation and the Impact on the Income Distribution. Allgemeines Statistisches Archiv (ASTA) 89, 49-61). Alternatively, if no individual longitudinal information is available, we base the imputation on a regression using different Mincer covariates, also taking into account current net labor income. If both types of income information are lacking, first we impute current net labor income and then current gross labor income. Imputed values are flagged (PGIMPGRO).

The corresponding variables in file PL are PLC0013_V1 and PLC0013_V2. The original variables coming from the \$P files are: ap3301, bp4301, cp5201, dp4401, ep4401, fp4501, gp4301, hp5401, ip5401, jp5401, kp6401, lp5301, mp4701, np5401, op4501, pp6001, qp5601, rp5701, sp5801, tp7601, up5901, vp7101, wp5901, xp7301, yp6801, zp7201, bap6101, bbp7301, bcp5901, bdp7701, bep5701, bfp10201, bgp8101, bhp_97_01.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgimpgro - Imputation flag for LABGROxx

0	Not imputed	421459
1	Imputed	50562
-1	No answer	0
-2	Does not apply	322905
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	5286
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

The variable PGIMPGRO designates imputations of item non-response in the variable PGLABGRO (current gross labor income). The value -2 (does not apply) can be interpreted as “not working”.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pglabnet – Current Net Labor Income in Euro

-2	Does not apply	322906
-5	Not Included In Questionnaire Version	5286
-7	Only available in less restricted edition	0

Waves: all

The variable PGLABNET represents the imputed net labor income in the previous month in a main job of all persons in SOEP working in the respective wave. Interviewees should consider overtime payments but no irregular one-time payments such as holiday or bonuses. Income details are consistently provided in euros for all waves. The imputation of item non-response takes place in a two-stage procedure: first, with the “Row-and- Column” method of Little und Su (1989) using individual longitudinal data as well as cross-sectional trend data (cf. Joachim R. Frick and Markus M. Grabka (2005): Item-Non-Response on Income Questions in Panel surveys: Incidence, Imputation and the Impact on the Income Distribution. Allgemeines Statistisches Archiv (ASTA) 89, 49-61). Alternatively, if no individual longitudinal information is available, we base the imputation on a regression using different Mincer covariates, also taking into account current gross labor income. If both types of income information are lacking, first we impute current gross labor income and then current net labor income.

Imputed values are flagged (PGIMPNET).

The corresponding variables in file PL are PLC0014_V1 and PLC0014_V2. The original variables coming from the \$P files are: ap3302, bp4302, cp5202, dp4402, ep4402, fp4502, gp4302, hp5402, ip5402, jp5402, kp6402, lp5302, mp4702, np5402, op4502, pp6002, qp5602, rp5702, sp5802, tp7602, up5902, vp7102, wp5902, xp7302, yp6802, zp7202, bap6102, bbp7302, bcp5902, bdp7702, bep5702, bfp10202, bgp8102, bhp_97_02.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgimpnet – Imputation flag for LABNETxx

0	Not imputed	435920
1	Imputed	36100
-1	No answer	0
-2	Does not apply	322906
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	5286
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

The variable PGIMPNET designates imputations of item non-response in the variable PGLABNET (current net labor income). The value -2 (does not apply) can be interpreted as “not working”.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgsndjob – Current Gross Secondary Income In Euro

-2	Does not apply	447641
-5	Not Included In Questionnaire Version	321617
-7	Only available in less restricted edition	0

Waves: 1995-2016

The variable PGSNDJOB represents the imputed current gross labor income from second job generated for all SOEP respondents in each respective wave. Income details are consistently provided in euros for all waves. Item nonresponse is imputed in a two-stage procedure: first, with the “Row-and-Column” method of Little und Su (1989) using individual longitudinal data as well as cross-sectional trend data (cf. Joachim R. Frick and Markus M. Grabka (2005): Item-Non-Response on Income Questions in Panel surveys: Incidence, Imputation and the Impact on the Income Distribution. Allgemeines Statistisches Archiv (ASTA) 89, 49–61). Alternatively, if no individual longitudinal information is available, we base the imputation on a regression using a subset of different Mincer covariates. Information about gross income from second job is firstly asked in wave 1995 (L). In 2013 information about income from second jobs was not collected for sub-sample M. We use information from the the subsequent survey year (2013) about income from second job in the previous year (variable BEP2C03). If persons from the sub-sample M stated that he/she had income in the previous year from second jobs, then PGIMPSND in year 2013 was set to -1 and PGSNDJOB had been imputed. Imputed values are flagged (PGIMPSND).

The corresponding variables in file PL are PLC0062_V1 and PLC0062_V2. The original variables coming from the \$P files are: lp7702, mp5802, np5802, op4902, pp6602, qp6302, rp6602, sp6602, tp8402, up67, vp79, wp70, xp81, yp76, zp78, bap69, bbp79, bcp67, bdp85, bep64, bfp113, bgp97.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgimpsnd – Imputation Flag For SNDJOBxx

0	Not imputed	27842
1	Imputed	3112
-2	Does not apply	447641
-5	Not Included In Questionnaire Version	321617
-7	Only available in less restricted edition	0

Waves: 1995-2016

The variable PGIMPSND designates imputations of itemnonresponse in the variable PGSNDJOB\$\$ (current gross labor income from second job). The value -2 (does not apply) can be interpreted as “not working”.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgsndjob1 – Current Gross Income Secondary Job (1) In Euro

0	816
1	32
2	2
3	6
4	5
5	14
6	1
7	3
8	6
9	3
10	41
12	11
13	4
14	1
15	34
... (719 rows omitted)	10163
8000	2
9000	3
9800	1
10000	1
10111	1
10293	1
12000	1
12500	2
13000	1
15000	2
43000	1
45000	1
-2 Does not apply	138612
-5 Not Included In Questionnaire Version	650441
-7 Only available in less restricted edition	0

Waves: all

The variable PGSNDJOB1 represents the imputed gross labor income from a first side job. This information is collected for the first time since 2017. Item nonresponse is imputed in a two-stage procedure: first, with the “Row-and-Column” method of Little und Su (1989) using individual longitudinal data as well as cross-sectional trend data. Alternatively, if no individual longitudinal information is available, we base the imputation on a regression using different Mincer covariates. Imputed values are flagged (PGIMPSNDJOB1).

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgsndjob2 – Current Gross Income Secondary Job (2) In Euro

0	226
1	3
2	2

3		1
4		1
5		6
6		1
7		2
8		3
10		18
11		2
12		5
13		3
14		3
15		10
...	(266 rows omitted)	1411
2689		1
2950		1
2977		1
3000		6
3900		1
4000		2
4150		1
4500		1
4600		1
5510		1
8000		1
20000		1
-2	Does not apply	148056
-5	Not Included In Questionnaire Version	650441
-7	Only available in less restricted edition	0

Waves: 2017–

The variable PGSNDJOB2 represents the imputed gross labor income from a first side job. This information is collected for the first time since 2017. Item nonresponse is imputed in a two-stage procedure: first, with the “Row-and-Column” method of Little und Su (1989) using individual longitudinal data as well as cross-sectional trend data. Alternatively, if no individual longitudinal information is available, we base the imputation on a regression using different Mincer covariates. Imputed values are flagged (PGIMPSNDJOB2).

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgsndjob3 – Current Gross Income Secondary Job (3) In Euro

0	55
1	1
2	4
3	1
4	3
5	1
6	1
7	1
8	1

10		7
11		1
12		2
14		1
15		4
16		3
...	(135 rows omitted)	377
1500		1
1667		1
1800		1
2000		2
2250		1
2300		1
2531		1
4000		2
5000		2
10000		1
25000		1
751024		1
-2	Does not apply	149293
-5	Not Included In Questionnaire Version	650441
-7	Only available in less restricted edition	0

Waves: 2017–

The variable PGSNDJOB3 represents the imputed gross labor income from a first side job. This information is collected for the first time since 2017. Item nonresponse is imputed in a two-stage procedure: first, with the “Row-and-Column” method of Little und Su (1989) using individual longitudinal data as well as cross-sectional trend data. Alternatively, if no individual longitudinal information is available, we base the imputation on a regression using different Mincer covariates. Imputed values are flagged (PGIMPSNDJOB3).

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgimpsnd1 – Imputation flag, Current Gross Income Secondary Job (1)

0	Not imputed	10072
1	Imputed	1087
-1	No answer	0
-2	Does not apply	138612
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGIMSND1 designates imputations of item non-response in the variable PGSNDJOB1 (current gross labor income from a side job).

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgimpsnd2 – Imputation flag, Current Gross Income Secondary Job (2)

0	Not imputed	1478
1	Imputed	237
-1	No answer	0
-2	Does not apply	148056
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGIMSND2 designates imputations of item non-response in the variable PGSND-JOB2 (current gross labor income from a side job).

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgimpsnd3 – Imputation flag, Current Gross Income Secondary Job (3)

0	Not imputed	337
1	Imputed	141
-1	No answer	0
-2	Does not apply	149293
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGIMSND3 designates imputations of item non-response in the variable PGSND-JOB3 (current gross labor income from a side job).

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

6 Current Employment Status

pgstib – Occupational Position

10	Not employed (NE): without further information	83794
11	NE: In education, further education, apprenticeship	37373
12	NE: registered unemployed	49226
13	NE: Pensioner	158332
15	NE: Military, Community Service	2261
100		491
110	Apprentice (until 1999), trainee (1990 East)	6985

120	Apprentice / trainee in industry or technology (since 2000)	9295
130	Apprentice / trainee in trade or commerce (since 2000)	5103
140	Student trainee, intern	2587
150	Aspirant	3
200		139
210	Untrained Worker	23506
220	Semi-Trained Worker	46461
230	Trained Worker	50246
...	(27 rows omitted)	284276
550	Salaried employee with extensive managerial duties	7238
560	Managing partner or comparable employee in own company (since 2019)	748
600		60
610	Civil servant, lower level	1019
620	Civil servant, middle level	7620
630	Civil servant, upper level	12619
640	Civil servant, executive level	8068
-1	Employed without information on occupational position	2179
-2	Does not apply	496
-3	Not valid	0
-4	Inadmissible multiple response	0
-5	Not Included In Questionnaire Version	87
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

The variable represents a compilation of all relevant information on current occupational position. It is generated by combining the main input variables p1b0064_v# (occupational group employee), p1b0058 (occupational group industrial worker), p1b0057_# (occupational group self-employed), p1b0022_v# (employment status), p1c0232_v# (pension), and p1b0021 (registered unemployed) from the pl dataset. The following list shows the prioritization of data when there are multiple conflicting sources of information (increasing priority from top to bottom):

value	label
10	not employed
13	pensioner
11	currently in education
15	military / community service
12	registered unemployed
100-150	apprentice
310-340	worker in agriculture (1990 East)
400-440	selfemployed
200-250	manual laborer
500-550	employee
600-640	civil service

The categories [150] and [310-340] were only assigned to respondents in East Germany in 1990.

Since 2014, it is possible that self-employed leave missing the subsequent question about the number of employees or co-workers used for the categorization. These observations are then assigned to their respective primary categories [410], [420] and [430] which were otherwise valid from 1984 until 1999.

The code [-2] is assigned to first time respondents aged 16 or 17 who answer the youth questionnaire.

Non-working respondents are only assigned to the category [13] “pensioner” if they are either recipients of a retirement pension or receive widow’s pension and are aged 60 years or older. Moreover, in case of missing information on pension receipt, retrospective information from `artka1en.dta` (calendar data for the previous year) is used to determine whether a person was in retirement or early retirement (Vorruhestand) at the time of interview. In the case of complete missing information on pension, the STIB pension status is carried forward from the last year if the respondent is aged 67 or older and still unemployed according to their employment status in `p1b0022_v#`.

For working respondent with missing info on occupational position the STIB-value from the previous year is carry forwarded in case of no job-change.

Starting in the 2022 wave, working respondents with missing information on their exact occupation position for which no carry forward is possible are assigned to the newly introduced main categories [100], [200], [400], [500], and [600] based on info provided by `p1b0568_v#`, which is available for all years since 2014.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgemplst – Employment Status

1	Full-Time Employment	321127
2	Regular Part-Time Employment	90067
3	Vocational Training	23289
4	Marginal, Irregular Part-Time Employment	35933
5	Not Employed	328294
6	Sheltered workshop (since 1998)	700
7	In short-time work (since 2021)	318
-1	No answer	242
-2	Does not apply	65
-3	Not valid	2
-4	Inadmissible multiple response	47
-5	Not included in this version of the questionnaire	127
-6	Version of questionnaire with modified filtering	1
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

PGEMPLST provides a consistent status variable to differentiate among different types of employment status of the respondent. It is generated from the `p1b0022_v#` variables in `p1.dta` and is designed to provide consistent longitudinal data on employment status across all waves.

The category [5] “not employed” comprises non-working individuals, those in military/community service, those on maternity leave, and employed people in a phased retirement scheme (Altersteilzeit) whose current actual working hours are zero.

From 1998 on, the additional category [6] “sheltered workshop” is included for disabled people in sheltered employment (Behindertenwerkstatt). Starting in the 2021 wave, respondents were given an additional response option to indicate whether they were currently on short-time work (Kurzarbeit). As a result, a new category [7] “In short-time work” was introduced. For the teenagers (aged 11 to 17) in the M3, M4, M5 and M6 refugee samples introduced in 2017 there a set of variables from `jugendl.dta` is used. In case these teenagers do not attend school, they were asked about their alternative status. Those teenagers who attend school, are in vocational preparation year, in a vocational training, or in vocational school were assigned value [3] “Vocational Training”. Those waiting for the start of the school term or vocational training, are categorized as [5] “not employed”. In case the teenagers do not attend school and are working the respondents were classified to category [1] “Full-Time Employment”. Between 2016 and 2020, there are some 17-year-olds in refugee-samples (M3, M4 and M5) who did not complete the youth questionnaire but for whom responses are available from the child questionnaire (netto code 29). For these respondents, data from `kidlong.dta` are used and they are categorized in the same way as the other refugee teenagers. PGEMPLST supplements the variable PGLFS, which differentiates among individuals who are not employed.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pglfs – Labor Force Status

1	Non-working (NW): without further information	94124
2	NW: age 65 and older	116453
3	NW: and currently in training/education	33709
4	NW: on parental leave (since 1991)	14615
5	NW: in military/community service	1028
6	NW: and registered unemployed	43292
8	NW: but occasional secondary job (1985-2016)	8581
9	NW: but paid work in past 7 days (since 1999)	5096
10	NW: but regular secondary job (1985-2016)	7538
11	Working	464488
12	Working, but inactive within past 7 days (since 2000)	9011
13	NW: but paid secondary job (since 2017)	1992
-1	No answer	1
-2	Does not apply	284
-3	Not valid	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

PGLFS provides a status variable to distinguish between different types of unemployment. It differentiates between “working” [11-12] and “non-working” [1-10 and 13] categories, which are constant across all waves. The variable is generated mainly from `p1b0022_v#` variables, (employment status) and additional variables such as `p1b0021` (registered unemployed) `p1g0012_v#` (receiving education), and `p1b0019_v#` (parental leave) from `p1.dta`.

In cases of conflicting status codes, the following hierarchy was used to determine the dominant value (increasing priority from top to bottom):

value	label
1	non-working without further information
2	non-working, and age 65 and older
3	non-working, and currently in training/education
6	non-working, and registered unemployed
4	non-working, on maternity leave
5	non-working, in military/community service
8	non-working, but occasional secondary job (1985-2016)
10	non-working, but regular secondary job (1985-2016)
9	non-working, but paid work in past 7 days
13	non-working, but some secondary job
11	working
12	working, but inactive in the past 7 days

Since 2016, the questionnaire for refugees contains a new employment status category “vocational internship (betriebliches Praktikum)”, which is integrated in the category [3] “non-working, and currently in training/education”.

Since 2017 there is no differentiation between regular and occasional secondary job. Category [13] is therefore created to capture the respondents who are primarily not part of the labor force but either regularly or occasionally exercise one or more secondary activities which are either remunerated or not voluntary.

PGLFS supplements the variable PGEMPLST, which differentiates among individuals who are employed.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgjobch – Occupational Change

1	Not Employed	326284
2	Employed No Change	381319
3	Employed No Info If Change	6477
4	Employed With Change	77244
5	First Time Employed	8488
-1	No answer	225
-2	Does not apply	149
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	26
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable indicates the type of job change since the previous interview for respondents with a follow-up interview, and a change of job since the beginning of the previous year for

first-time respondents. As a job change can include a new job within the same firm as well as a change to another firm. Entrance into a job for the first time or after a break is also considered a job change.

PGJOBCH is generated based on the central filter variable `p1b0031_v#` in `p1.dta` whether an employed respondent has changed jobs since the beginning of the previous year. Information on the date of job change is combined with the exact date of the previous interview to identify whether a new job change has taken place since then.

The PGJOBCH variable is generated by correcting the original job change information in various ways:

1. If a respondent reports a job change with a date prior to the previous interview, the date and the type of the job change are used to correct double entries. If it seems to be double entry the second reporting is coded as [2] "Employed No Change". If it doesn't seem to be double entry, the observation is placed in [3] "Employed No Info If Change", as it is possible that the person mis-remembered the correct date of the job-change.
2. If a respondent reports a job change in the same month as the last interview, we cannot determine exactly the order of events. The date and the type of the job change are used to compare it to possible job-changes in the previous wave. If it seems to be double entry the second reporting is coded as [2] "Employed No Change". If the features are different it is coded as a valid job-change and placed in [4] "Employed With Change".
3. Respondents can be "first-time employed" only once. If it can be made sure by comparing timing and type of the job-change that it is just a second reporting of the same first time employment we assume no other job-change occurred and they are placed in [2] "Employed No Change". If a double entry can be ruled out, these observations are coded as [4] "Employed With Change" as is most likely that indeed a job-change occurred and they just placed themselves in the wrong type of job-change.
4. Starting in the 2022 wave, in all cases, if information on the date of job-change is missing and there was a job-change in the previous wave, controlling for a double entry is not possible. The uncertainty is accounted for by placing these observations in [3] "Employed No Info If Change".

Up to 1993, first-time respondents did not answer the question on job change. Therefore, for these respondents the variable is generated by combining the information on the start date with the current employer and the respondent's age at entrance into their first job.

In 2013 the respondents of the newly introduced migration sample (M1) were not asked whether they have changed jobs since the beginning of the previous year, therefore the generation of PGJOBCH for the migration sample was modified in 2013:

1. Respondents who are not employed were coded [1] "Not Employed".
2. Respondents who are still in the same occupation and position and are working for the same employer as they had worked in their first job in Germany were coded [2] "Employed No Change".
3. Respondents who have entered the firm they are currently working after the 31st of December 2011 were coded [4] "Employed With Change".
4. If a respondent is in her first vocational training this was coded as [5] "First Time Employed".
5. Respondents who are employed but for whom no further information could be used were coded [3] "Employed No Info If Change". In 2014 there was again a uniform questionnaire for all respondents.

In 2015 the respondents of the newly introduced migration sample (M2) were not asked whether they have changed jobs since the beginning of the previous year. Furthermore, respondent within migration sample M1 are decomposed in first-time respondents with and follow-up respondents without question about job change in the previous year embodied by the questionnaire. Such that generation of PGJOBCH for the migration sample in 2015 was as following:

1. For follow-up respondents generation as in the case of a uniform questionnaire for all respondents was pursued.
2. In the case of first-time respondents in M1 sample and for all respondents from M2 sample the rule of thumb is as in 2013 applied.

In 2016 the respondents of the newly introduced refugee samples (M3 and M4, psample = 17) were not asked whether they have changed jobs since the beginning of the previous year. The generation of PGJOBCH for these samples corresponds to the rule of thumb as for the first-time respondents in the M1 sample with one modification. In step 4, the code [5] "First Time Employed" was assigned to respondents who are currently in a vocational training, were not occupied prior to their arrival in Germany, had neither a vocational training, nor a university degree and are in their first occupational relationship in Germany.

2017 generation of PGJOBCH for the newly added refugee sample M5 [psample = 19] is analogous to that of 2016. As of refugee teenagers, those attending school or who are currently in vocational preparation year (Berufsvorbereitungsjahr), in vocational training, in a vocational integration course (Eingliederungsjahrgang), or in vocational school (berufsbildende Schule) were assigned value[1] "Not Employed". Those working were assigned jobch value [3] "Employed No Info If Change".

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgsndtyp1 – 1. secondary job: Occupational Position

1	Worker/Employee (also mini job)	5322
2	Self-Employed, Free-Lance Professional	3491
3	Help In Family Business	621
4	Other occupational position	11276
-1	No answer	3799
-2	Does not apply	125262
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGSNDTYP1 gives information about the current employment status in a first side job. This variable is a direct copy of the original variable in \$P.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgsndtyp2 – 1. secondary job: Occupational Position

1	Worker/Employee (also mini job)	469
2	Self-Employed, Free-Lance Professional	728
3	Help In Family Business	132
4	Other occupational position	3786
-1	No answer	1459
-2	Does not apply	143197
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGSNDTYP2 gives information about the current employment status in a second side job. This variable is a direct copy of the original variable in \$P.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pgsndtyp3 – 3. secondary job: Occupational Position

1	Worker/Employee (also mini job)	83
2	Self-Employed, Free-Lance Professional	192
3	Help In Family Business	34
4	Other occupational position	1208
-1	No answer	500
-2	Does not apply	147754
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGSNDTYP3 gives information about the current employment status in a third side job. This variable is a direct copy of the original variable in \$P.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

7 Current Occupation

Not all employed persons are asked the question about occupation on an annual basis. In years with a partial survey – 1985, 1986, 1987, 1988, 1990 (West), 1992 (West), 1994, 1996, 1999, 2001, 2003, 2005, 2006, 2008, 2010, 2012, 2014, and 2016 – only those employed persons who changed jobs and first-time respondents are asked to provide up-to-date information. Therefore, in years with a partial survey or in case of non-response the variables in this section usually contain available information from the previous year (persons with PGJOBCH-category

(2) “employed, no change”). For some persons without a job change who updated the information on their current occupation without being asked, up-to-date information is used. The scores which are derived from the occupational scores contain information on the last attained value.

The missing values in variables of codes for economic activities or occupations and derived scores (NACE, ISCO, KldB, ISEI, SIOPS, EGP, MPG) should be interpreted as follows. -1: there was a response, but no code could be assigned or no score could be derived, -2: there was no response which could have been coded and -8 means this type of code or score is not available for this year.

The information on the current occupation is not necessarily consistent to the current employment status, because they are based on different sources of information.

pgisco88 – Current Occupational Classification (ISCO-88 Com)

? What is your current occupation? (from: [soep-core/soep-core-2017-pb-m345-erst/Q226:pber\[12711\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2017-pe/52:pber\[4195\]](#))

0	Soldiers	0
100	Soldiers	1559
1000	LEGISLATORS, SENIOR OFFICIALS AND MANAGERS	0
1100	Legislators, Senior Officials and Managers	0
1110	Legislators, Senior Officials and Managers	136
1140	Senior Officials of Special-Interest Organisations	50
1141	Senior Officials of Political Party Organisations	9
1142	Senior officials of employers', workers' and other economic-interest organisations	257
1143	Senior Officials of Humanitarian and Other Special-Interest Organisations	4
1200	Corporate Managers	1312
1210	Directors and Chief Executives	2891
1220	Production and Operations Managers	0
1221	Production and operations managers in agriculture, hunting, forestry and fishing	18
1222	Production and Operations Managers in Manufacturing	1662
1223	Production and Operations Managers in Construction	0
...	(470 rows omitted)	347443
9300	Labourers in mining, construction, manufacturing and transport	0
9310	Mining and Construction Labourers	0
9311	Mining and Quarrying Labourers	49
9312	Construction and maintenance labourers: roads, dams and similar constructions	31
9313	Building Construction Laborer	1178
9320	Manufacturing Laborer	6704
9330	Transport Lab., Freight Handler	3203
-1	No answer	2165
-2	Does not apply	289292
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	142249

Waves: 1984-2017

Current occupation coded as ISCO-88 COM (ISCO-88 version for European Union purposes). Respondents answer the question in their own words. If they don't report a jobchange, information from the previous year is used, cf. introduction to section in PDF documentation for this file. Hartmann and Schütz (2002) provide detailed information on the conducted occupational coding.

Hartmann/Schütz (2002): *Die Klassifikation der Berufe und der Wirtschaftszweige im Sozio-oekonomischen Panel. Neuvercodung der Daten 1984–2001. Infratest Sozialforschung, München.* https://www.diw.de/documents/dokumentenarchiv/17/diw_01.c.40132.de/vercodung.pdf

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgisco08 – Current Occupational Classification (ISCO-08)

? What is your current occupation? (from: [soep-core/soep-core-2020-pb-m3456-erst/Q223:pber \[15232\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2020-pe2/52:pber \[4195\]](#))

0	Armed forces occupations	0
110	Commissioned armed forces officers	80
210	Non-commissioned armed forces officers	35
310	Armed forces occupations, other ranks	308
1000	Managers	0
1100	Chief executives, senior officials and legislators	0
1110	Legislators and senior officials	0
1111	Legislators	61
1112	Senior government officials	257
1113	Traditional chiefs and heads of village	0
1114	Senior officials of special-interest organizations	104
1120	Managing directors and chief executives	3057
1200	Administrative and commercial managers	2
1210	Business services and administration managers	1
1211	Finance managers	246
...	(565 rows omitted)	150641
9613	Sweepers and related labourers	37
9620	Other elementary workers	0
9621	Messengers, package deliverers and luggage porters	536
9622	Odd job persons	2
9623	Meter readers and vending-machine collectors	12
9624	Water and firewood collectors	0
9629	Elementary workers not elsewhere classified	181
-1	No answer / don't know	1591
-2	Does not apply	135541
-3	Implausible value	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	507520

Waves: 2013–

Current occupation coded as ISCO-08. Respondents answer the question in their own words. If they don't report a jobchange, information from the previous year is used, cf. introduction to section in PDF documentation for this file. Tschersich and Schütz (2014, SOEP Survey Paper 470) provide detailed information on occupational coding.

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgkldb92 – Current Occupational Classification (KldB92)

? What is your current occupation? (from: [soep-core/soep-core-2017-pb-m345-erst/Q226:pber\[12711\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2017-pe/52:pber\[4195\]](#))

110	Farmers, general	1813
111	Fruit and vegetable farmers (non-horticultural)	5
112	Arable farmers (special, permanent crops)	9
113	Livestock farmers and pasture farmers	3
114	Seed, crop producers, propagators (non-horticultural)	8
115	Crop protectors	10
116	Farmers and landlords	32
118	Farmers and wine growers	12
120	Wine growers, general	27
121	Vine propagators	0
129	Other wine growers	0
130	Agricultural workers, general	105
131	Agricultural supervisors	7
132	Agricultural machinery drivers	58
133	Vineyard workers	65
...	(2263 rows omitted)	363360
9911	Specialized professionals without further specification	95
9921	Homeworkers without further specification	151
9931	Forepersons, group leaders without further specification	355
9941	Persons doing community service without further specification	9
9951	Self-employed persons without further specification	366
9961	Consultancy, planning professionals without further specification	213
9971	Other employees without further specification	1601
-1	No answer	739
-2	Does not apply	288920
-3	Answer improbable	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	142249

Waves: 1984-2017

Current occupation coded as KldB92. Respondents answer the question in their own words. If they don't report a jobchange, information from the previous year is used, cf. introduction to section in PDF documentation for this file. Hartmann and Schütz (2002) provide detailed information on occupational coding.

Hartmann/Schütz (2002): *Die Klassifikation der Berufe und der Wirtschaftszweige im Sozio-oekonomischen Panel. Neuvercodung der Daten 1984–2001. Infratest Sozialforschung, München.*
https://www.diw.de/documents/dokumentenarchiv/17/diw_01.c.40132.de/vercodung.pdf
 For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgkldb2010 – Current Occupational Classification (KldB2010)

? What is your current occupation? (from: *soep-core/soep-core-2020-pb-m3456-erst/Q223:pber* [15232])

? What is your current position/occupation? (from: *soep-core/soep-core-2020-pe2/52:pber* [4195])

1104	Commissioned officers	77
1203	Senior non-commissioned officers and higher	35
1302	Junior non-commissioned officers	15
1402	Armed forces personnel in other ranks	313
11101	Occupations in farming (without specialisation)-unskilled/semiskilled tasks	149
11102	Occupations in farming (without specialisation)-skilled tasks	507
11103	Occupations in farming (without specialisation)-complex tasks	12
11104	Occupations in farming (without specialisation)-highly complex tasks	64
11113	Technical occupations in farming-complex tasks	4
11114	Technical occupations in farming-highly complex tasks	0
11123	Agricultural experts-complex tasks	0
11124	Agricultural experts-high complex tasks	5
11132	Technical laboratory occupations in agriculture-skilled tasks	1
11133	Technical laboratory occupations in agriculture-complex tasks	0
11182	Occupations in farming (with specialisation, not elsewhere classified)-skilled tasks	6
...	(1264 rows omitted)	154117
94693	Supervisors in stage, costume and prop design	2
94704	Occupations in museums (without specialisation)-highly complex tasks	31
94712	Technical occupations in museums and exhibitions-skilled tasks	11
94713	Technical occupations in museums and exhibitions-complex tasks	1
94714	Technical occupations in museums and exhibitions-highly complex tasks	2
94724	Art experts-highly complex tasks	0
94794	Managers in museum	5
-1	No answer / don't know	1756
-2	Does not apply	135579
-3	Implausible value	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	507520

Waves: 2013–

Current occupation coded as KldB2010. Respondents answer the question in their own words. If they don't report a jobchange, information from the previous year is used, cf. introduction to section in PDF documentation for this file. Tschersich and Schütz (2014, SOEP Survey Paper 471) provide detailed information on occupational coding.

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgisei08 – Last Reached Isei Value (International Socio-Economic Index)

? What is your current occupation? (from: *soep-core/soep-core-2020-pb-m3456-erst/Q223:pber* [15232])

? What is your current position/occupation? (from: *soep-core/soep-core-2020-pe2/52:pber* [4195])

11.5600004196167	21
11.7399997711182	680
12.0100002288818	61
12.3400001525879	7
13.2399997711182	25
13.3400001525879	24
13.3500003814697	3
13.7200002670288	29
13.8699998855591	61
14.210000038147	5892
14.3900003433228	233
14.5699996948242	428
14.6400003433228	95
14.8199996948242	17
15.3500003814697	660
... (340 rows omitted)	168894
85.4100036621094	1644
85.8499984741211	635
86.7200012207031	666
86.8099975585938	36
88.3099975585938	277
88.6999969482422	831
88.9599990844727	119
-1 No answer	1107
-2 Does not apply	110247
-3 Not valid	0
-4 Forbidden Multiple Response	0
-5 Not Included In Questionnaire Version	0
-6 Questionnaire Version With Modified Filter	0
-7 Only available in less restricted edition	0
-8 Question this year not part of survey	507520

Waves: 2013–

This variable reflects the (last reached) Standard International Socio-Economic Index of Occupational Status for all employed persons. The ISEI Index was developed in 1992 by Ganzeboom, De Graaf, Treiman, and De Leew based on information about income, education, and occupation. Technically, ISEI was created by scaling the ISCO classification. In contrast to the prestige scores of Ganzeboom and Treiman (1996) and Wegener (1988), ISEI is a measure of socio-economic status.

It is derived from the ISCO-08 code of the current occupation using the Stata ado *derivescor*es by Daniel Bela and Knut Wenzig which itself is based on SPSS algorithms from Ganzeboom and Treimann (2010).

Also available: occupational prestige scores (SIOPS, MPS) and occupational class (EGP).

Ganzeboom, Harry B.G.; Treiman, Donald J., "International Stratification and Mobility File: Conversion Tools." Amsterdam: Department of Social Research Methodology, <http://www.harryganzeboom.nl/ismf/index.html> <2010-01-12>.

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgmps08 – Last Reached MPS Value (Magnitude-Prestige-Scale, Wegener)

? What is your current occupation? (from: [soep-core/soep-core-2020-pb-m3456-erst/Q223:pber \[15232\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2020-pe2/52:pber \[4195\]](#))

20	307
23.8999996185303	775
24.7000007629395	692
26.7000007629395	470
26.8999996185303	3260
28.6000003814697	61
30	8046
30.2999992370605	245
31.2000007629395	1194
31.6000003814697	30
31.7999992370605	1418
31.8999996185303	741
32.4000015258789	1235
34.7000007629395	24
35.5999984741211	73
... (163 rows omitted)	148013
159.800003051758	1676
160.300003051758	380
160.5	989
170.899993896484	666
173.300003051758	423
179.600006103516	1686
186.800003051758	119
-1 No answer	0
-2 Does not apply	120169
-3 Not valid	0
-4 Forbidden Multiple Response	0
-5 Not Included In Questionnaire Version	0
-6 Questionnaire Version With Modified Filter	0
-7 Only available in less restricted edition	0
-8 Question this year not part of survey	507520

Waves: 2013–

This variable gives the occupational prestige score developed by Wegener (1988) for all employed persons. Like the SIOPS prestige score, Wegener's prestige scale measures a person's occupational prestige and was developed especially for use in the Federal Republic of Germany.

MPS08 is assigned based on ISCO-88 (using Christoph 2005), which is based on ISCO-08 (using Ganzeboom, Treiman 2010).

Also available: occupational prestige scores (SIOPS, ISEI) and occupational class (EGP).

Christoph, Bernhard: 2005: *Zur Messung des Berufsprestiges: Aktualisierung der Magnitude-Prestigeskala auf die Berufsklassifikation ISCO88*, <https://nbn-resolving.org/urn:nbn:de:0168-ssoar-207543> – Ganzeboom, Harry B.G.; Treiman, Donald J., “International Stratification and Mobility File: Conversion Tools.” Amsterdam: Department of Social Research Methodology, <http://www.harryganzeboom.nl/ismf/index.htm>. <2010-01-12>.

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgsiops08 – last reached SIOPS score (stand. internat. occ. prestige scale, Treiman)

? What is your current occupation? (from: [soep-core/soep-core-2020-pb-m3456-erst/Q223:pber\[15232\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2020-pe2/52:pber\[4195\]](#))

12	29
13	294
15	660
16	301
17	19
18.0200004577637	22
18.9599990844727	5
20	7071
20.0300006866455	445
20.0900001525879	8
20.2600002288818	68
20.2999992370605	2262
20.3899993896484	831
20.7600002288818	25
21	514
... (221 rows omitted)	163328
73.0999984741211	666
73.5100021362305	1055
75	220
75.6800003051758	67
76.1100006103516	119
78.0100021362305	1685
78.1600036621094	1644
-1 No answer	1107
-2 Does not apply	110247
-3 Not valid	0
-4 Forbidden Multiple Response	0
-5 Not Included In Questionnaire Version	0
-6 Questionnaire Version With Modified Filter	0
-7 Only available in less restricted edition	0
-8 Question this year not part of survey	507520

Waves: 2013–

This variable gives the occupational prestige score index for all employed persons. It is derived from the ISCO-08 code of the current occupation using using the Stata ado derivescores by Daniel Bela and Knut Wenzig which itself is based on SPSS algorithms from Ganzeboom and Treiman (2010).

Please also see occupational prestige scores (MPS), occupational status (ISEI), and occupational class (EGP).

Ganzeboom, Harry B.G.; Treiman, Donald J., "International Stratification and Mobility File: Conversion Tools." Amsterdam: Department of Social Research Methodology, <http://www.harryganzeboom.nl/ismf/index.htm>. <2010-01-12>.

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgegp08 – Last Reached EPG Value (Erikson, Goldthorpe, Portocarero)

? What is your current occupation? (from: [soep-core/soep-core-2020-pb-m3456-erst/Q223:pber \[15232\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2020-pe2/52:pber \[4195\]](#))

1	[I] Higher Managerial and Professional Workers	31779
2	[II] Lower Managerial and Professional Workers	47240
3	[IIIa] Routine Clerical Work	23357
4	[IIIb] Routine Service and Sales Work	18928
5	[IVa] Small Self-Employed With Employees	3344
6	[IVb] Small Self-Employed Without Employees	3618
7	[V] Manual Supervisors	3370
8	[VI] Skilled Manual Workers	14853
9	[VIIa] Semi- and Unskilled Manual Workers	32319
10	[VIIb] Agricultural Labour	1629
11	[IVc] Self-Employed Farmers	901
-1	No answer	0
-2	Does not apply	111354
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	507520

Waves: 2013–

This variable gives the (last reached) occupational class for all employed persons. PGEGP08 is based on ISCO-08 with is converted to ISCO-88 in a first step. Both crosswalks use the Stata ado derivescores by Daniel Bela and Knut Wenzig and are based on work of Ganzeboom (2010) and Ganzeboom, De Graaf, Treiman (1992).

Please also see occupational status (ISEI) and occupational prestige scores (SIOPS, MPS).

Harry B.G. Ganzeboom, Paul M. De Graaf, Donald J. Treiman (1992), A standard international socio-economic index of occupational status, in: *Social Science Research* 21 (1), 1-56, [https://doi.org/10.1016/0049-089X\(92\)90017-B](https://doi.org/10.1016/0049-089X(92)90017-B). – Ganzeboom, Harry B.G.; Treiman, Donald J., "International Stratification and Mobility File: Conversion Tools." Amsterdam: Department of Social Research Methodology, <http://www.harryganzeboom.nl/ismf/index.htm>. <2010-01-12>.

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgisei88 – Last Reached Isei Value (International Socio-Economic Index)

? What is your current occupation? (from: [soep-core/soep-core-2017-pb-m345-erst/Q226:pber\[12711\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2017-pe/52:pber\[4195\]](#))

16	17842
19	2300
20	9815
21	2275
22	570
23	11897
24	1589
25	14752
26	5969
27	3337
28	2476
29	22756
30	31530
31	3182
32	4981
... (39 rows omitted)	332215
79	368
82	1030
83	202
85	2310
87	838
88	3343
90	296
-1 No answer	1453
-2 Does not apply	180637
-3 Not valid	0
-4 Forbidden Multiple Response	0
-5 Not Included In Questionnaire Version	0
-6 Questionnaire Version With Modified Filter	0
-7 Only available in less restricted edition	0
-8 Question not part of the survey program this year	142249

Waves: 1984-2017

This variable reflects the Standard International Socio-Economic Index of Occupational Status for all employed persons. The ISEI Index was developed in 1992 by Ganzeboom, De Graaf, Treiman, and De Leuw based on information about income, education, and occupation. Technically, ISEI was created by scaling the ISCO-88 classification. The values for the variable range between 16 and 90. In contrast to the prestige scores of Ganzeboom and Treiman (1996) and Wegener (1988), ISEI is a measure of socio-economic status.

It is derived from the ISCO-88 code of the current occupation using the Stata ado `iskoisei` by John Hendrickx which itself is based on Harry Ganzeboom's SPSS algorithms.

Also available: occupational prestige scores (SIOPS, MPS) and occupational class (EGP).

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgmps92 – Last Reached MPS Value (Magnitude-Prestige-Scale, Wegener)

? What is your current occupation? (from: [soep-core/soep-core-2017-pb-m345-erst/Q226:pber\[12711\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2017-pe/52:pber\[4195\]](#))

30	205
30.1000003814697	901
30.2000007629395	2136
30.2999992370605	249
31	5424
31.1000003814697	1287
31.2000007629395	687
31.5	6298
31.7000007629395	4423
31.7999992370605	546
31.8999996185303	264
32	549
32.0999984741211	5150
32.2000007629395	645
32.2999992370605	14477
... (163 rows omitted)	422555
139.800003051758	394
145.699996948242	2220
152.5	2365
153.5	162
191.300003051758	3343
207.199996948242	614
216	781
-1 No answer	1536
-2 Does not apply	180752
-3 Not valid	0
-4 Forbidden Multiple Response	0
-5 Not Included In Questionnaire Version	0
-6 Questionnaire Version With Modified Filter	0
-7 Only available in less restricted edition	0
-8 Question not part of the survey program this year	142249

Waves: 1984-2017

This variable gives the occupational prestige score developed by Wegener (1988) for all employed persons. Like the SIOPS prestige score, Wegener's prestige scale measures a person's occupational prestige and was developed especially for use in Germany. MPS is assigned based on the German Federal Statistical Office's occupational classification of 1992 (KldB 92). The procedure has been documented in Frietsch and Wirth (2001).

Also available: occupational prestige scores (SIOPS, ISEI) and occupational class (EGP).

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgsiops88 – last reached SIOPS score (stand. internat. occ. prestige scale, Treiman)

? What is your current occupation? (from: [soep-core/soep-core-2017-pb-m345-erst/Q226:pber\[12711\]](#))

? What is your current position/occupation? (from: [soep-core/soep-core-2017-pe/52:pber\[4195\]](#))

6	12
13	435
15	2208
17	227
18	90
19	10286
20	7488
21	17491
22	3975
23	4480
24	1637
25	6242
26	1951
27	876
28	4947
... (40 rows omitted)	396032
70	6807
71	1030
72	1829
73	1529
75	194
76	296
78	5811
-1 No answer	1453
-2 Does not apply	180637
-3 Not valid	0
-4 Forbidden Multiple Response	0
-5 Not Included In Questionnaire Version	0
-6 Questionnaire Version With Modified Filter	0
-7 Only available in less restricted edition	0
-8 Question not part of the survey program this year	142249

Waves: 1984-2017

This variable gives the occupational prestige score index for all employed persons. It is based on ISCO-88 and was developed by Donald Treiman et al. The scale ranges from 6 to 78. The algorithm is based on Fritsche and Wirth (2001).

Please also see occupational prestige scores (MPS), occupational status (ISEI), and occupational class (EGP).

Fritsch, Rainer/Wirth, Heike (2001): Die Uebertragung der Magnitude-Prestigeskala von Wegener auf die Klassifikation der Berufe. In: ZUMA Nachrichten 48 (Jg.25): 139–165

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgegp88 – Last Reached EPG Value (Erikson, Goldthorpe, Portocarero)

? What is your current occupation? (from: *soep-core/soep-core-2017-pb-m345-erst/Q226:pber[12711]*)

? What is your current position/occupation? (from: *soep-core/soep-core-2017-pe/52:pber[4195]*)

1	[I] Higher Managerial and Professional Workers	60348
2	[II] Lower Managerial and Professional Workers	104709
3	[IIIa] Routine Clerical Work	55104
4	[IIIb] Routine Service and Sales Work	59766
5	[IVa] Small Self-Employed With Employees	7016
6	[IVb] Small Self-Employed Without Employees	13299
7	[V] Manual Supervisors	4422
8	[VI] Skilled Manual Workers	84345
9	[VIIa] Semi- and Unskilled Manual Workers	77630
10	[VIIb] Agricultural Labour	6347
11	[IVc] Self-Employed Farmers	2887
-1	No answer	1453
-2	Does not apply	180637
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	142249

Waves: 1984-2017

This variable gives the occupational class for all employed persons. It is derived from the ISCO-88 classification using Hendrickx's (2002) Stata ado. In addition, it is based on information on self-employment and number of employees (supervisory status). The EGP Index was documented by Ganzeboom/Treiman in 1996 and revised in 2003.

Information about supervisory status (number of employees of self-employed persons) is available from wave Q (2000) on. (This could lead to some minor longitudinal inconsistencies.)

Based on the new classification developed by Ganzeboom/Treiman (2003), several ISCO values were recoded in this variable as follows:

- ISCO 2470 becomes EGP=1.
- ISCO 2500 becomes EGP=2.
- ISCO 4300, 4400, 4500 become EGP=4.
- ISCO 7900 becomes EGP=7.
- ISCO 9910-9990 become EGP=9.

Please also see occupational status (PGISEI88) and occupational prestige scores (PGSIOPS88, PGMPS92).

John Hendrickx, 2002. "ISKO: Stata module to recode 4 digit ISCO-88 occupational codes," *Statistical Software Components S425802*, Boston College Department of Economics, revised 20 Oct 2004. <https://ideas.repec.org/c/boc/bocode/s425802.html>

Ganzeboom, Harry B.G.; Treiman, Donald J., "International Stratification and Mobility File: Conversion Tools." Amsterdam: Department of Social Research Methodology, <http://www.harryganzeboom.nl/isco88/>.

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgerljob – Working In Occupation Trained For

1	Yes	238584
2	No	150719
3	In Training	25599
4	Has No Job Training	28907
-1	No answer	19182
-2	Does not apply	337221
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable offers information on whether a respondent is working in the occupation they were trained for. The main variable for the generation process is p1b0072 (Training Applies To Current Occupation) in p1.dta. PGERLJOB expands the original variable by adding information from the youth and migration sample and enriching the data with information from the previous year in case of missing information if there was no occupational change.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgausb – Required Training For Job

1	No Training	32017
2	Intro. To Job	51440
3	On-The-Job Training	29221
4	Courses	15232
5	Vocational Training	214408
6	Technical School, Engineering (East) 90-96	2002
7	Technical College or University, until 98	10446
8	Technical College since 99	31977
9	University since 99	48796
-1	No answer	20848
-2	Does not apply	343797
-3	Not valid	0
-4	Inadmissible multiple response	28
-5	Not Included In Questionnaire Version	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable provides annual data on required vocational training for all employees. It is generated mainly from p1b0073_v# (required formal education) in p1.dta. However, this question is only asked every two years to all employed respondents, while people who change jobs or first-time respondents get posed this question also outside the regular biannual cycle. Up to 2018, three additional binary coded questions on required on-the-job training (p1b0074_v1-v3) were asked biannually, but these questions were discontinued afterwards. For better consistency across years, information from the previous year is carried forward if no job change occurred.

The answer option “completed technical school” was only used from 1990 to 1993 in the East German version of the questionnaire. As noted above, not all employed people are asked annually about their required job training, therefore the value (6) is valid until 1996 for some respondents due to forward imputation.

The code (-2) is assigned to all non-employed respondents and also includes people in occupational training, in occupational retraining programs, and those doing an internship at the time of the survey.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgerwzeit – Length Of Time With Firm

-1	No answer	4471
-2	Does not apply	328536
-3	Not valid	116
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

The variable provides information on the duration of employment at the same firm at the time of the interview for all employees (tenure). It is generated from the two variables p1b0036_h and p1b0035, indicating respectively the respondent’s starting year and month with their current employer. In the case of a job change within the firm, the full length of time with the firm is calculated. Hence, the variable describes the length of time with the same firm and not the length of time in the same position.

Longitudinal inconsistencies are corrected based on the following assumptions:

1. In case of no job change, the information on the start date with the current employer given in the earliest interview available is treated as dominant and carried forward to the subsequent years.
2. In case of a job change between firms, the information on the start of the current position is used and carried forward to the subsequent years.
3. A respondent who starts working again after a period of non-employment is considered to have returned to the former employer if the reported start date with the current employer was before the interview date when the respondent was last employed. In this case, the start date with the employer given in the last interview of the respondent with employment is treated as dominant and carried forward to the subsequent years. In these cases, where the respondent is assumed to have returned to the previous

- employer, there is no deduction for the time during which the respondent was not employed.
4. If a respondent who starts working again after a period of non-employment reports a start date with the current employer was after the interview date when the respondent was last employed, the start date with the employer given in the current interview is treated as dominant and carried forward to the subsequent years.
 5. Corrections 3 and 4 also apply to people who temporarily dropped out of the panel and later returned.
 6. Since the 2010 wave, there is a modified answer category in the questionnaire which indicates that a respondent returns to his/her former employer after a period of non-employment. If a respondent indicates to have started working again at a former employer, the present information on the start date with the current employer is used and carried forward to the subsequent years. Unlike up until the 2009 wave, the information in the current interview is treated as dominant even if the indicated start date with the current employer was before the previous interview date. Hence, the full length of time with the firm is calculated, and there is no deduction for the time during which the respondent was not employed or employed in another firm.

The length of time with the firm is also provided for the East German sample since its start in 1990. Due to the massive restructuring of the economy that took place in East Germany after reunification, this variable should be dealt with cautiously in the first transition years. In PGERWZEIT the monthly and annual information is rounded as duration in years. This means that the duration is presented as a decimal, with months expressed as a fraction of a whole year. For example, if someone has worked for 2 years and 6 months in a firm, this is expressed as 2.5 years.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgtatzeit – Actual Work Time Per Week

-1	No answer	13603
-2	Does not apply	323403
-3	Not valid	2884
-4	Inadmissible multiple response	0
-5	Not Included In Questionnaire Version	10399
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable provides data on actual weekly working hours (including overtime) for all employees at the time of the survey (including the self-employed). The data is obtained by asking respondents how many hours they work on average per week, represented in the plb0186_v# variables from the pl dataset.

Respondents of youth questionnaire (netto-codes 17 and 29) and first-time participants are assigned to [-5] “Not Included In Questionnaire Version” as they are not asked this question. Values strictly bigger than 80 are assigned missing to [-3] “Not valid”.

PGTATZEIT is expressed as duration in hours. This means that the duration is represented as a decimal, with minutes as a fraction of an hour. For example, if a respondent’s weekly working time is 38 hours and 30 minutes, it is expressed as 38.5 hours.

PGTATZEIT is supplemented by the variables on agreed weekly working hours (`pgvebzeit`) and overtime per week (`pguebstd`).

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgvebzeit – Agreed Upon Work Time Per Week

-1	No answer	199
-2	Does not apply	405813
-3	Not valid	219
-4	Inadmissible multiple response	0
-5	Not Included In Questionnaire Version	9721
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable indicates agreed weekly working hours for all people in dependent employment, excluding the self-employed. The information is obtained from respondents' self-information. The main input variables are `p1b0176_v#` and `p1b0185_v#` from `p1.dta`. The filtering structure regarding self-employed respondents and people helping in family business (based on `p1b0057_v#`) underwent some changes over time. For longitudinal consistency, those are assigned to missing [-2] "Does not apply" in years in which there were not filtered out prior to the relevant questions.

Respondents of youth questionnaire (netto-codes 17 and 29) and first-time participants are assigned to [-5] "Not Included In Questionnaire Version" as they are not asked this question. Respondents with "no set working hours", based on `p1b0185_v#` from `p1.dta` are assigned to missing [-2] "Does not apply".

Values strictly bigger than 80 are assigned missing to [-3] "Not valid".

PGVEBZEIT is expressed as duration in hours. This means that the duration is represented as a decimal, with minutes as a fraction of an hour.

PGVEBZEIT is supplemented by the variables on actual weekly working hours (`pgtatzeit`) and overtime per week (`pguebstd`).

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pguebstd – Overtime Per Week

0	No Overtime Last Month	221222
-1	No answer	1785
-2	Does not apply	355695
-3	Not valid	56
-4	Inadmissible multiple response	0
-5	Not Included In Questionnaire Version	17932
-6	Version of questionnaire with modified filtering	3
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	15790

Waves: all

This variable indicates hours of overtime per week for all people in dependent employment, excluding the self-employed. The information is obtained from respondents' self-assessment of the number of hours they worked overtime last month. The input variable is divided by 4.333 (52 weeks per year divided by 12 months) to represent hours of overtime per week. The main input variables are p1b0193_v#, p1b0195_v# and p1b0196_v# from p1.dta.

In survey years 1984, 1985 and 1987, the question was not posed, so PGUEBSTD is generated by subtracting pgvebzeit from pgtatzeit.

The filtering structure regarding self-employed respondents and people helping in family business (based on p1b0057_v#) underwent some changes over time. For longitudinal consistency, those are assigned to missing [-2] "Does not apply" in years in which there were not filtered out prior to the relevant questions. Respondents of youth questionnaire (netto-codes 17 and 29) and first-time participants are assigned to [-5] "Not Included In Questionnaire Version" as they are not asked this question.

Respondents with pgvebzeit OR pgtatzeit strictly over 80 hours AND PGUEBSTD strictly over 10 hours are assigned missing to [-3] "Not valid".

PGUEBSTD is expressed as duration in hours. This means that the duration is represented as a decimal, with minutes as a fraction of an hour.

PGUEBSTD is supplemented by the variables on actual weekly working hours (pgtatzeit) and agreed weekly working hours (pgvebzeit).

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgoeffd – Civil Service

1	Yes	109389
2	No	332025
-1	No answer	32999
-2	Does not apply	325799
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable is a status variable and provide yes-or-no information on whether they work in public service for all employed individuals. The main input variable is p1b0040 from p1.dta.

In case of no job-change, information from the previous year is carried forward.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgnace – Industry Occupation [pbra] (NACE Rev. 1.1, Sector)

? In which economic sector/branch of industry/service area is the company or institution that you work for? (from: soep-core/soep-core-2017-pb-m345-erst/Q229:pbra[12713])

? What sector of business or industry is your company or institution active in for the most part? (from: [soep-core/soep-core-2017-pe/55:pbra\[4197\]](#))

1	Crop and animal production, hunting	5997
2	Forestry, Logging, Related Service activities	550
5	Fishing, Operation Of Fish Hatcheries And Fish Farms	33
10	Mining Of Coal And Lignite, Extraction Of Peat	1057
11	Extraction Of Crude Petroleum And Natural Gas	110
12	Mining Of Uranium And Thorium Ores	0
13	Mining Of Metal Ores	14
14	Other Mining And Quarrying	215
15	Manuf Food Products And Beverages	7502
16	Manuf Tobacco Products	87
17	Manuf Textiles	2611
18	Manuf Wearing Apparel, Dressing And Dyeing Of Fur	937
19	Tanning, Dressing Of Leather; Manuf luggage, Footwear	435
20	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1508
21	Manuf Pulp, Paper And Paper Products	1438
...	(40 rows omitted)	309564
91	Activities of membership organizations n.e.c.	4243
92	Recreational, Cultural And Sporting Activities	5372
93	Other Service Activities	3460
95	Private Households With Employed Persons	1524
96	Undifferentiated goods producing activities of private households for own use	0
97	Undifferentiated services producing activities of private households for own use	0
99	Extra-territorial Organizations And Bodies	262
-1	No answer	2830
-2	Does not apply	308214
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	142249

Waves: 1984-2017

This variable is designed to provide annual data on the industry of economic activity for the company of all employed persons according to the Statistical Classification of Economic Activities in the European Community (Nomenclature des statistiques des activités économiques de la Communauté européenne - NACE Rev. 1.1 which is on this level similar to Rev. 1). Respondents answer the question in their own words regarding the industry in which they are currently working. If they don't report a jobchange, information from the previous year is used, cf. introduction to section in PDF-documentation for this file.

In order to facilitate international comparability, the European industry standard classification system is used by Kantar Public using Level 2 (Divisions) of the classification system. The classification has been documented in Hartmann/Schütz 2002.

The codes in NACE Rev.1 also correspond to ISIC Rev.3 (International Standard Classification of All Economic Activities).

Detailed description: Hartmann/Schütz (2002): Die Klassifikation der Berufe und der Wirtschaftszweige im Sozio-ökonomischen Panel. Neucodung der Daten 1984–2001. Infratest Sozialforschung, München. https://www.diw.de/documents/dokumentenarchiv/17/diw_01.c.40132.de/vercodung.pdf
For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgnace2 – Industry Occupation [pbra] (NACE Rev. 2, Sector)

? In which economic sector/branch of industry/service area is the company or institution that you work for? (from: [soep-core/soep-core-2020-pb-m3456-erst/Q228:pbra\[15237\]](#))

? What sector of business or industry is your company or institution active in for the most part? (from: [soep-core/soep-core-2020-pe2/55:pbra\[4197\]](#))

1	Crop and animal production, hunting and related service activities	1588
2	Forestry and logging	219
3	Fishing and aquaculture	16
5	Mining of coal and lignite	73
6	Extraction Of Crude Petroleum And Natural Gas	58
7	Mining Of Metal Ores	0
8	Other Mining And Quarrying	48
9	Mining support service activities	1
10	Manufacture of food products	2949
11	Manufacture of beverages	219
12	Manuf Tobacco Products	15
13	Manuf Textiles	485
14	Manuf Wearing Apparel, Dressing And Dyeing Of Fur	232
15	Manufacture of leather and related products	67
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	526
...	(66 rows omitted)	142070
93	Sports activities and amusement and recreation activities	654
94	Activities of membership organisations	1875
95	Repair of computers and personal and household goods	171
96	Other personal service activities	1437
97	Private Households With Employed Persons	727
98	Undifferentiated goods- and services-producing activities of private households for own use	0
99	Extra-territorial Organizations And Bodies	62
-1	No answer	1674
-2	Does not apply	137377
-3	Not valid	149
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	507520

Waves: 2013–

This variable is designed to provide annual data on the industry of economic activity for all employed persons according to the Statistical Classification of Economic Activities in the European Community (Nomenclature des statistiques des activités économiques de la

Communauté européenne - NACE Rev. 2). Respondents answer the question in their own words regarding the industry in which they are currently working. If they don't report a jobchange, information from the previous year is used, cf. introduction to section in PDF-documentation for this file. In order to facilitate international comparability, the European industry standard classification system is used by Kantar Public using Level 3 (Divisions) of the classification system. (Available in this classification since 2013 – wave bd.)

For more information, contact: Knut Wenzig (Tel. +49 30 89789 341, kwenzig@diw.de)

pgbetr – Size of the Company

1	Lt 5	38808
2	Ge 5 Lt 10	23402
3	Ge 11 Lt 20	20507
4	Until 90: Lt 20	9940
5	91-04: Ge 5 Lt 20	25518
6	Ge 20 Lt 100	60782
7	Ge 100 Lt 200	28597
8	Until 98: Ge 20 Lt 200	30259
9	Ge 200 Lt 2000	91510
10	Ge 2000	105255
11	Self-Employed Without Coworkers	17965
-1	No answer	21319
-2	Does not apply	325858
-3	Not valid	0
-4	Inadmissible multiple response	0
-5	Not Included In Questionnaire Version	492
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable provides data on the total size of the company for all working respondents (including employees and self-employed). The information is obtained the annual question about the number of people employed in the entire company referring to all company sites not just the local branch. The main input variable is p1b0049_v# (Number of employees in the total company) from p1.dta.

Categories [4], [5], and [8] became necessary due to changes in the answer options over the years. Subsequently, the question asked about company size became more detailed.

In 2012, the questionnaire provides a one-time-only information on the size of the local establishment in addition to the size of the entire company. The enriched questionnaire revealed that in previous interviews, respondents have mistakenly provided information on the local establishment size instead of the entire company size, especially if their entire company had 2000 and more employees. Due to the importance of longitudinal consistency, these individuals were identified, and their 2012 original value of the entire company size was replaced by their value of the local establishment size. Furthermore, data of people without a job change were modified if:

- the entire company size varies from 2011 to 2012,
- the local establishment size in 2012 matches the entire company size in 2011.

Those person's values of the entire company in 2012 were replaced by their values of the local establishment size in 2012.

See `pgallbet` for a broader categorization of the firm size, which is appropriate for analyses that include all sample years.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

`pgallbet` – Core Category Size Of The Company

1	LT 20	118175
2	GE 20 LT 200	119638
3	GE 200 LT 2000	91510
4	GE 2000	105255
5	Self-Employed Without Coworkers	17965
-1	No answer	21319
-2	Does not apply	325858
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	492
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable longitudinal consistent data on the size of the company for all working respondents (including employees and self-employed). The information is obtained the annual question about the number of people employed in the entire company referring to all company sites not just the local branch. The main input variable is `p1b0049_v#` (Number of employees in the total company) from `p1.dta`.

Since respondents were asked about company size in increasingly detailed form over the years, `PGALLBET` contains the lowest common denominator of the variable `pgbetr`, i.e., the firm size categories available across all SOEP waves. This broader categorization corresponds to the `pgbetr` values between 1984 and 1990 and offers a variable that is consistent across all waves.

In order to maintain longitudinal consistency, modifications were made after a one-time change in the questionnaire in 2012.

See `pgbetr` for a more fine-grained categorization of the firm size, however with some categories missing in several survey years.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

8 Last Occupation

`pgjobend` – Reasons for occupational change

1	Terminated by employer	12238
2	Limited Term Employment Relationship (1985-1998)	1823
3	Education, training completed (1985-1998)	763

4	Own resignation	19783
5	Mutual termination (1985-1990, since 1999)	4655
6	Employee requested transfer (1985-1998)	449
7	Company transferred employee (1985-1998)	494
8	Ended self-employment	2187
9	Temporary contract or education/training completed (since 1999)	8009
10	Took early retirement (1987-1998)	545
11	Company closed down (1991-1998, since 2001)	3920
12	Old-age pension (since 1991)	4183
13	Leave of absence/sabbatical (1999-2010)	1928
14	Leave, maternity leave and parental leave (1991-1998, since 2011)	3695
15	Other incl. early retirement, company closed, old-age pension, leave of absence/sabbatical (1985-1986)	173
16	Other incl. company closed, old-age pension, leave of absence/sabbatical (1987-1990)	130
17	Other incl. mutual termination (1991-1998)	688
18	Work permit not extended (since 2019)	31
-1	No answer	7251
-2	Does not apply	677088
-3	Not valid	8249
-4	Forbidden Multiple Response	6
-5	Not Included In Questionnaire Version	24654
-6	Questionnaire Version With Modified Filter	5025
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	12245

Waves: 1985–

This variable provides information on the reasons for an occupational change of formerly employed, employed with a job change or people on leave since the previous interview.

Since 1999 p1b0304_v# (reasons for job termination) from p1 . dta, which combines all available reasons in one variable, has been used as the main input variable for PGJOBEND. However, for years 1985 up to 1998 every reason was coded separately in up to 13 binary variables, versioned in p1b0304_v# from p1 . dta. In cases of conflicting reasons, the following hierarchy was used to determine the dominant value (increasing priority from top to bottom):

value	label
1	Terminated by employer
2	Limited Term Employment Relationship
3	Education, training completed
4	Own resignation
5	Mutual termination
6	Employee requested transfer
7	Company transferred employee
8	Ended self-employment
10	Took early retirement
11	Company closed down
14	Leave of absence/sabbatical
12	Old-age pension

Because of different filtering structure for years 1985–1990 respondents with a job change within the company also got asked about their reason for job-termination and thus have

valid data in the input variable. However for consistency reasons, in PGJOBEND they get assigned the value [-2] “Does no apply”.

Since 2006 youth questionnaires have been embodied in survey tools. Nevertheless, the youth questionnaires do not contain information on job-termination. Therefore, all youths receive the missing [-5] “Not Included In Questionnaire Version” starting from year 2006.

Based on the date of job termination occurred and the previous interview date double entries of the same job termination are identified. In those cases PGJOBEND is not valid in the current interview.

If a respondent stated a job termination in the current interview that occurred before the interview date in the previous year but didn't report it in the previous interview, the termination counts for the current interview.

The value codes [15], [16], and [17] are necessary due to the variety of the given values over the years. In waves 1985 to 1998 the answer option “Other” was additionally available. While all explicit reasons have been recoded to longitudinal consistent values, the answer “Other” includes reasons for which in other years was separately asked for. Hence, “Other” incorporates different reasons in different questionnaire versions. The value [15] was used for “Other” in 1985 and 1986, [16] for 1987 to 1990, and [17] 1991 to 1998. For years 1991–1998 and again starting from 2011 there is a value [14] “Leave, maternity leave and parental leave” whereas for 1999–2010 the given reason was only covered in value [13] “Leave of absence/sabbatical”.

The values [2] “Limited Term Employment Relationship” and [3] “Education, training completed” for the years 1985 to 1998 were combined into value [9] “Temporary contract or education/training completed” since 1999.

Since the East German questionnaire in 1990 did not contain information on the reasons for a job termination, all observations in Sample C in that year were assigned [-5] “Not Included In Questionnaire Version”.

Respondents of the migration samples (M1-M6) are not asked about an occupational change in their initial interview, but in their interview the following year. Therefore, information on PGJOBEND for the first year of a migration sample are taken from the subsequent year's interview.

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

9 Employment History

pgexpft – Working Experience Full-Time Employment

-1	No answer	16046
-2	Does not apply	0
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable reflects the total length of full-time employment in the respondent's career up to the point of the interview in a given year. The variable is created by combining monthly

information on employment status from the calendar dataset `artkalen.dta`, which provides monthly information on activity status since an individual entered the SOEP, and annual information from the biographical dataset `pbiospe.dta`, which provides information on activity status over the individual's life course. `PGEXPFT` is generated by adding up the years of full-time employment before a respondent's first interview (from `pbiospe.dta`) plus months of full-time employment after their first interview (from `artkalen.dta`). If there is no monthly calendar data available in a given year of a respondent's career, the annual data from `pbiospe.dta` is used for that year. For annual data, if the year in which a spell started and ended is the same, a spell of 0.5 years is assumed.

Individuals without annual data (not contained in `pbiospe.dta`) are only assigned a non-missing value for this variable if they joined SOEP by the age of 18 and if there is calendar data on them in `artkalen.dta`. Respondents whose life course has been observed completely but with no spell of full-time employment are assigned the code [0]. The code [-1] "No answer" is assigned to all people whose life course has not been observed completely. People with inconsistent information receive [-3] "Not valid".

From the 2021 wave onwards a new spell-type has been introduced in `artkalen.dta`, indicating the periods during which a respondent was in short-time employment (Kurzarbeit). As these spells do not specify the type of working contract (full-time/part-time) the respondent had during that time, but this time formally still counts as work experience, past and future information was used.

There can also be temporal overlaps between regular employment and short-time employment spells. In a first step, all overlapping months were deducted so that no month was counted twice.

In a second step, each short-time spell was assigned to either full-time or part-time employment experience. The following rules were applied: - If there was no overlap, the status from the previous employment was carried forward. - If there was an overlap with either the previous or the subsequent regular employment, the status of the overlapped spell was used - If there was an overlap with both the the previous and the subsequent employment spell, the status from the previous employment was used. - If there is no previous employment spell, the status of the subsequent employment is used - If the respondent never had any employment apart from the short-time spell, it is counted as full-time experience

Short-time spells were already once introduced in the years 1991 to 1995. Back then, all short-time spells were counted as full-time experience. For consistency reasons this was kept this way for these years in all waves.

`PGEXPFT` gives the length of full-time employment in years with months in decimal form. This means that a person with 2 years and 6 months of full-time experience, has a `PGEXPFT` value of 2.5 years. Please also see `pgexppt` (total length of part-time employment) and `pgexpue` (total length of unemployment).

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgexppt – Working Experience Part-Time Employment

0	447522
0.0829999968409538	5658
0.166999995708466	6113
0.25	5970
0.333000004291534	5016
0.416999995708466	4409
0.5	16905

0.583000004291534		4310
0.666999995708466		4086
0.75		3600
0.833000004291534		3167
0.916999995708466		3198
1		24619
1.08299994468689		3205
1.16700005531311		3526
...	(564 rows omitted)	242848
50.1669998168945		1
50.4169998168945		1
50.75		1
50.8330001831055		1
51		4
51.3330001831055		4
51.5830001831055		2
-1	No answer	16046
-2	Does not apply	0
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	0

Waves: all

This variable reflects the total length of part-time employment in the respondent's career up to the point of the interview in a given year. The variable is created by combining monthly information on employment status from the calendar dataset `artkalen.dta`, which provides monthly information on activity status since an individual entered the SOEP, and annual information from the biographical dataset `pbiospe.dta`, which provides information on activity status over the individual's life course. `PGEXPPT` is generated by adding up the years of part-time employment before a respondent's first interview (from `pbiospe.dta`) plus months of part-time employment after their first interview (from `artkalen.dta`). If there is no monthly calendar data available in a given year of a respondent's career, the annual data from `pbiospe.dta` is used for that year. For annual data, if the year in which a spell started and ended is the same, a spell of 0.5 years is assumed.

Individuals without annual data (not contained in `pbiospe.dta`) are only assigned a non-missing value for this variable if they joined SOEP by the age of 18 and if there is calendar data on them in `artkalen.dta`. Respondents whose life course has been observed completely but with no spell of full-time employment are assigned the code [0]. The code [-1] "No answer" is assigned to all people whose life course has not been observed completely. People with inconsistent information receive [-3] "Not valid".

From the 2021 wave onwards a new spell-type has been introduced in `artkalen.dta`, indicating the periods during which a respondent was in short-time employment (*Kurzarbeit*). As these spells do not specify the type of working contract (full-time/part-time) the respondent had during that time, but this time formally still counts as work experience, past and future information was used.

There can also be temporal overlaps between regular employment and short-time employment spells. In a first step, all overlapping months were deducted so that no month was

counted twice.

In a second step, each short-time spell was assigned to either full-time or part-time employment experience. The following rules were applied: - If there was no overlap, the status from the previous employment was carried forward. - If there was an overlap with either the previous or the subsequent regular employment, the status of the overlapped spell was used - If there was an overlap with both the the previous and the subsequent employment spell, the status from the previous employment was used. - If there is no previous employment spell, the status of the subsequent employment is used - If the respondent never had any employment apart from the short-time spell, it is counted as full-time experience

PGEXPPT gives the length of part-time employment in years with months in decimal form. This means that a person with 2 years and 6 months of part-time experience, has a PGEXPPT value of 2.5 years.

Please also see `pgexpft` (total length of full-time employment) and `pgexpue` (total length of unemployment).

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

pgexpue - Unemployment Experience

0	519197
0.0829999968409538	11414
0.166999995708466	9674
0.25	8496
0.333000004291534	6814
0.416999995708466	6175
0.5	35141
0.583000004291534	5960
0.666999995708466	6029
0.75	5563
0.833000004291534	4657
0.916999995708466	4058
1	25217
1.08299994468689	4650
1.16700005531311	4216
... (372 rows omitted)	126867
38	29
38.0830001831055	1
39	2
41	3
45	1
46	1
49	1
-1 No answer	16046
-2 Does not apply	0
-3 Not valid	0
-4 Forbidden Multiple Response	0
-5 Not Included In Questionnaire Version	0
-6 Questionnaire Version With Modified Filter	0
-7 Only available in less restricted edition	0
-8 Question this year not part of survey	0

Waves: all

This variable reflects the total length of unemployment in the respondent's career up to the point of the interview in a given year. The variable is created by combining monthly information on employment status from the calendar dataset `artkalen.dta`, which provides monthly information on activity status since an individual entered the SOEP, and annual information from the biographical dataset `pbiospe.dta`, which provides information on activity status over the individual's life course. `PGEXPUE` is generated by adding up the years of unemployment before a respondent's first interview (from `pbiospe.dta`) plus the months of unemployment after their first interview (from `artkalen.dta`). If there is no monthly calendar data available in a given year of a respondent's career, the annual data from `pbiospe.dta` is used for that year. For annual data, if the year in which a spell started and ended is the same, a spell of 0.5 years is assumed. `PGEXPUE` gives the length of time in unemployment in years with months in decimal form.

Individuals without annual data (not contained in `pbiospe.dta`) are only assigned a non-missing value for this variable if they joined SOEP by the age of 18 and if there is calendar data on them in `artkalen.dta`. Respondents whose life course has been observed completely but with no spell of full-time employment are assigned the code [0]. The code [-1] "No answer" is assigned to all people whose life course has not been observed completely. People with inconsistent information receive [-3] "Not valid".

`PGEXPUE` gives the length of unemployment in years with months in decimal form. This means that a person who was unemployed for 2 years and 6 months, has a `PGEXPUE` value of 2.5 years.

Please also see `pgexpft` (total length of full-time employment) and `pgexppt` (total length of part-time employment).

For more information, contact: Mattis Beckmannshagen (Tel. +49-30-89789-321, mbeckmannshagen@diw.de)

10 Volunteering

`pghonor1` – First Voluntary Work

1	Yes	19304
2	No	9139
-1	No answer	221
-2	Does not apply	121107
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable `PGHONOR1` gives information whether a first side job is a honorary post or not. This variable is a direct copy of the original variable in `$P`.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pghonor2 – Second Voluntary Work

1	Yes	6517
2	No	1274
-1	No answer	607
-2	Does not apply	141373
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGHONOR2 gives information whether a first side job is a honorary post or not. This variable is a direct copy of the original variable in \$P.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pghonor3 – Third Voluntary Work

1	Yes	2045
2	No	315
-1	No answer	679
-2	Does not apply	146732
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	650441
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	0

Waves: 2017–

The variable PGHONOR3 gives information whether a first side job is a honorary post or not. This variable is a direct copy of the original variable in \$P.

For more information, contact: Markus Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

11 School, Higher and Vocational Education**pgiscd97** – ISCED-1997-Classification

0	in school	20158
1	inadequately	28904
2	general elementary	112427
3	middle vocational	369835
4	vocational + Abi	46037
5	higher vocational	48284
6	higher education	155727

-1	No answer	18840
-7	Only available in less restricted edition	0

Waves: all

The educational variable (PGISCED97) classifies all correspondents' educational degrees according to the "International Standard Classification of Education (ISCED)" of 1997 in order to make degrees internationally comparable. The variable is generated retrospectively from 1984 onwards taking into account degrees and diplomas attained in both general schooling and in vocational/university education and indicates the highest degree obtained. E.g., persons who did not indicate secondary school degrees/diplomas but a university degree are placed in the highest ISCED category. Please note that, due to a lack of more detailed information on tertiary degrees in earlier waves – in particular on PhD – we include all tertiary degrees in ISCED category 6. Thus, the ISCED variable provided here is not comparable one-to-one with the ISCED levels as defined by the OECD, since we have included the original ISCED level 5A in our ISCED category 6. OECD (1999): *Classifying Educational Programmes: Manual for ISCED-97 Implementation in OECD Countries*, Paris.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgisced11 – ISCED-2011-Classification

0	in school	2084
1	Primary education	27435
2	Lower secondary education	44134
3	Upper secondary education	160092
4	Post-secondary non-tertiary education	29586
5	Short-cycle tertiary education	14712
6	Bachelors or equivalent level	62293
7	Masters or equivalent level	26827
8	Doctoral or equivalent level	3544
-1	No answer	6893
-2	Does not apply	422612
-7	Only available in less restricted edition	0

Waves: 2010–

The educational variable (PGISCED11) classifies all correspondents' educational degrees according to the "International Standard Classification of Education (ISCED)" of 2011 in order to make degrees internationally comparable. The variable is generated retrospectively From 2010 onwards taking into account degrees and diplomas attained in both general schooling and in vocational/university education and indicates the highest degree obtained. Note that for respondents from the newly introduced migration samples, we can differentiate between university degrees (Bachelor/Master/PhD) obtained in Germany. If the university degree was obtained abroad, the degree is counted as Bachelor, because further differentiation between university degrees abroad is only possible for a subgroup of migrants.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgcasmin – CASMIN Classification

0	(0) In School	20105
1	(1a) Inadequately Completed	31037
2	(1b) General Elementary School	89170
3	(1c) Basic Vocational Qualification	196093
4	(2b) Intermediate General Qualification	24900
5	(2a) Intermediate Vocational	164090
6	(2c_gen) General Maturity Certificate	37145
7	(2c_voc) Vocational Maturity Certificate	58295
8	(3a) Lower Tertiary Education	57017
9	(3b) Higher Tertiary Education	98710
-1	No answer	23650
-7	Only available in less restricted edition	0

Waves: all

Another internationally comparable educational variable is PGCASMIN where educational degrees/diplomas are classified according to the scheme “Comparative Analysis of Social Mobility in Industrial Nations (CASMIN)”. As for PGISCED, the variable is generated for all respondents retroactively from 1984 onwards and indicates the highest degree obtained by the respondent.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgbilzeit - Amount Of Education Or Training In Years

7		27009
8.5		2963
9		100849
10		25140
10.5		170639
11		35460
11.5		111669
12		77359
13		40341
13.5		8862
14		13086
14.5		17085
15		28042
16		24628
17		2267
18		68186
-1	No answer	18664
-2	Does not apply	27963
-7	Only available in less restricted edition	0

Waves: all

The following statements describe the standard computation for schooling. The school years and the additional vocational training are added together.

As can be seen, the assignment table are not very differentiated. For example, special schools for health care professions and other kinds of specialized schools are all included in the

“technical school” label. However, in Germany, this assignment is the most commonly used one when earnings functions based on human capital theory are estimated.

schooling	years
no degree	7
lower school degree	9
intermediary school	10
degree for a professional college	12
high school degree	13
other	10

additional occupational training (includes universities)	years
apprenticeship	1.5
technical schools (incl. health)	2
civil servants apprenticeship	1.5
higher technical college	3
university degree	5

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpsbil – School-Leaving Degree

? What type of school-leaving certificate did you attain? (from: *soep-core/soep-core-2014-11/49;lsab7[4354]*)

1	Secondary School Degree	248126
2	Intermediate School Degree	209870
3	Technical School Degree	36741
4	Upper Secondary Degree	144958
5	Other Degree	83282
6	Dropout, No School Degree	24877
7	No School Degree Yet	20877
8	No School Attended	5254
-1	No answer	14734
-2	Does not apply	11493
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

All respondents in all SOEP subsamples are asked about diplomas/degrees attained for completion of secondary/tertiary education (1984–1993 blue questionnaire; since 1994 biographical questionnaire) the first time they participate in SOEP. First: to generate this variable, the different diploma/degree categories provided for Subsamples B and D (see PGPSBILA) as well as C (see PGPSBILO) are integrated into the West German diploma/degree categories (Subsample A) and continued on in this form. Second: this data is regularly updated to take

into account any changes in highest diploma/degree attained. With the survey of 2000, all educational information was collected again and is reflected in the variables.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpbbil01 – Vocational Degree Received

1	Apprenticeship	320053
2	Vocational School	59884
3	Health Care School	9342
4	Technical School	43357
5	Civil Service Training	18339
6	Other degree	30164
7	Completed Vocational Training/Education in Germany	0
-1	No answer	5079
-2	Does not apply	313994
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

All respondents in all subsamples are asked about vocational degrees attained the first time they participate in SOEP (1984–1993 blue questionnaire; since 1994 biographical questionnaire). To generate the variable, the different vocational degrees for Subsamples B and D (cf. PGPBBILA) as well as C (cf. PGPBBILO) are integrated into the West German vocational degree categories (Subsample A). The categories that originally each constituted individual variables are combined to make them compatible with the annual question about changes in vocational degrees attained, and this data is updated annually.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpbbil02 – College Degree

1	Technical College	44933
2	University, Technical College	67398
3	College Not In Germany	16860
4	Engineering, Technical School (East)	13331
5	University (East)	8042
6	graduation, state doctorate	2823
7	graduation, state doctorate (foreign country, east)	705
8	institution of higher education (youth)	1
9	Dual Studies, University of Cooperative Education	1570
10	Other Colleges (since 2014)	64
-1	No answer	11746
-2	Does not apply	632739
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0

-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

All respondents in all subsamples are asked about completed college education the first time they participate in SOEP (1984–1993 blue questionnaire; since 1994 biographical questionnaire). To generate the variable, the different degrees/diplomas for all subsamples are integrated. Category (3) “college abroad” is only defined for persons who completed a foreign-language version of the questionnaire (mainly persons from Samples B and D). Generation of the variable entails combining the categories to make them compatible with the annual question about changes in vocational degrees/diplomas attained. Since 2002, there have been two separate codes (4 and 5) for degrees/diplomas attained in the former GDR.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpbbil03 – No Vocational Degree

1	No Vocation Degree	157033
2	Apprenticeship	29935
3	University	24868
-1	No answer	12475
-2	Does not apply	575901
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

In connection with the question about vocational degrees (PGPBBIL01 and PGPBBIL02), all first-time respondents to all subsamples are explicitly asked whether they (still) do not possess a vocational degree. In the subsequent years, this data is carried forward or updated. The variable has the Missing Value Code -2 (does not apply) if one of the other two variables on vocational degree has a positive value.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpsbilo – School-Leaving Degree East Germany

1	8th Grade Completed	41153
2	10th Grade Completed	72244
3	College Entrance Exam	24812
4	Other Degree	982
5	Dropout, No School Degree	1987
6	No School Degree Yet	0
-1	No answer	277
-2	Does not apply	291849
-3	Not valid	0
-4	Forbidden Multiple Response	0

-5	Not Included In Questionnaire Version	302678
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	64230

Waves: all

As a supplement to the variable PGPSBIL the highest secondary school degree/diploma in East Germany is provided as a separate variable and updated if necessary for 1991. Since 1992, secondary degrees/diplomas are asked only in the West German version. New SOEP respondents are also asked about secondary degrees/diplomas obtained in the former GDR; and for old respondents, the same codes are carried forward.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpbbligo - Vocational Degree Received East Germany

1	Vocational Training	74669
2	Master Craftsman	8042
3	Engineering, Technical Degree	18107
4	Other degree	1187
-1	No answer	0
-2	Does not apply	550902
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	83075
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	64230

Waves: all

To supplement the variable PGPBBIL01 the highest secondary school degree/diploma in East Germany is provided as a separate variable and updated if necessary for 1991. Since 1992 only the West German version has been used for new vocational degrees. For new SOEP respondents, vocational degrees attained in the former GDR are asked as well; for old respondents, the same codes are carried forward. From 2002 on, the questionnaire was expanded and revised, but this led to an operationalization involving more assumptions on the vocational degrees attained in the GDR; (from 2002 on, Code 3 is also listed as the additional category Code 4 in the integrated variables PGPBBIL03 if this degree has not been replaced by a more recently attained, higher-level university or college degree).

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpsbila - School-Leaving Degree Outside Germany

? What type of school-leaving certificate did you attain? (from: soep-core/soep-core-2014-11/47;lsab5[3763])

1	School, No Degree	24165
2	School, With Degree	47327
3	Vocational Extension School	40555

4	School Leaving Degree[Sbil] Acquired Abroad	32
5	Certificate from a different school	796
-1	No answer	1032
-2	Does not apply	674668
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	11637
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

As a supplement to the PGPSBIL, this variable provides annually updated data on the highest secondary school degree/diploma attained abroad.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgpbbila - Vocational Degree Outside Germany

1	On-The-Job Training	3307
2	Vocational Training	4518
3	Vocational School	4028
4	College	3567
5	Other	979
6	Vocational Degree[Bbil01] Acquired Abroad	0
7	College Education[Bbil02] Acquired Abroad	0
8	Completed Vocational Training/Education Other Country	2194
9	graduation, state doctorate (foreign country)	47
11	With Certificate, On-The-Job Training	1422
12	With Certificate, Vocational Training	6864
13	With Certificate, Vocational School	9484
14	With Certificate, University	18477
15	With Certificate, Other	1521
16	With Certificate, Vocational Degree[bbil01] Acquired Abroad	145
17	With Certificate, College Education[Bbil02] Acquired Abroad	365
18	With Certificate, Completed Vocational Training/Education Other Country	0
19	With Certificate, PhD (Other Country)	540
-1	No answer	1242
-2	Does not apply	730862
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	10650
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

As a supplement to the variable PGPBBIL01, this variable gives (and updates) the highest-level vocational degree attained abroad.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgfield – Field of tertiary education

1	Linguistics and cultural studies	596
2	Protestant theology	7
3	Catholic theology	45
4	Philosophy, ethics	365
5	History	562
6	Library science, documentation, journalism	291
7	General and comparative literature	945
8	Classical philology, modern greek	200
9	German philology	1880
10	English studies	749
11	Roman philology	312
12	Slavic, Baltic, Finno-Ugrian Studies	141
13	Non-european linguistics and cultural studies	235
14	Cultural studies	124
15		29
...	(164 rows omitted)	74526
361		7
365	Early childhood education	11
370	Economic engineering with engineering focus	12
380		22
457		10
458		7
464	Facility Management	2
996	Undefined	8
-1	No answer	73631
-2	Does not apply	645125
-3	Not valid	370
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: -1985

The variable is designed to provide information on the field of education of tertiary degrees which adds details to the information recorded in the variable PGPBBIL02. While the latter variable records if a person holds a degree PGFIELD contains more detailed information on the type of the degree. The data of the generated variable PGFIELD stem from two sources:

1. Person questionnaire: Each year since 1985 respondents are asked if they have left education since the beginning of the year prior to the survey and which degrees they have obtained. This part of the questionnaire contains an open question on the type and the field of newly obtained tertiary degrees. This information is coded and used for the generation of the variable PGFIELD.
2. Biography questionnaire: Since 2001 similar information is collected from respondents who fill in the biography questionnaire (usually during the first two years of participation in the panel). In contrast to the information from the person questionnaire the questions do not refer to currently obtained degrees but to degrees obtained during the time before being part of the SOEP sample.

In the variable PGFIELD we combine these two types of information. However, since the retrospective information was not collected before 2001 the variable covers until 2000 only persons for whom we have prospectively observed the end of study. This explains why the number of valid observations is rather small in these years. Information on the data source is stored in the variable PGFDT_F.

Each year the variable contains the most recently collected information. Take for instance a person for whom we have observed a first degree in sociology in 1987 and a second degree in economics in 1991. For this person the variable PGFIELD would be filled as follows:

year	value
1984-1986	-2 does not apply
1987-1990	26 political/social science
1991-today	30 economics

If you want to take into account that a person holds two degrees you have to combine the information from all available years. However, only a minority of the population holds more than one tertiary degree. In very few cases we encounter the problem that a respondent provides information on two different degrees in one survey year. This only happens in years when respondents fill in the person as well as the biography questionnaire. In these cases we prioritize the information from the person questionnaire as it refers to the current situation while the biography questionnaire contains retrospective information. Furthermore, there are cases who report an applied university degree and a university degree in the biography questionnaire. In these cases, the variable contains information on the university degree only. The variable is coded according to the classification on fields of education („Fächergruppen“) provided by the Statistisches Bundesamt (2009). Until 2009 data from the person questionnaire were coded using an earlier version of this classification (1982). In the variable PGFIELD we recoded the original values. As the newer version is more precise this could be done with hardly any loss of information. Some categories are collapsed. Category 3 is coded as 2 (no distinction between catholic and protestant theology), 14 as 13, 17 as 16, 24 as 23, 25 as 26 and 48 as 49. The original values of the data collected from the person questionnaire up to 2009 are stored in the respective variables in the dataset PL.

Please note that for respondents from the newly introduced migration sample a valid value to PGFIELD was only assigned if the tertiary degree was attained in Germany.

Statistisches Bundesamt (2009): Bildung und Kultur. Studierende an Hochschulen, Fachserie 11, Reihe 4.1, Wiesbaden: 446ff, Übersicht 1: „Fächergruppen, Studienbereiche und Studienfächer“.
 For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgdegree – Type of tertiary degree

1	2
2 Magister	2064
4	1
5 Academically certified translator	2
6 PhD	3693
8 First state examination	4567
11 Diplom (university)	17390
13	3
15 Teacher training, BA, elementary school	3
18	7

19		1
20		10
21	Teacher training, elementary school	2222
22		4
23	Teacher training, secondary school	992
...	(32 rows omitted)	25947
87	Bachelor (vocational school)	64
88	Master (university)	3095
89		2
90	Master (technical college)	506
93	Bachelor (university) - teacher	3
94	Other degree - degree certificate	1
95	Other degree in Germany	2759
96	Final examination abroad	14
-1	No answer	91766
-2	Does not apply	645084
-3	Not valid	10
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: -1985

The variable is designed to provide information on the type of tertiary degree (e.g., Diploma, Bachelor, Master) which adds details to the information recorded in the variable PGPBBIL02. While the latter variable records if a persons holds a degree, PGDEGREE contains more detailed information on the type of the degree. The data of the generated variable PGDEGREE stem from two sources:

1. Person questionnaire: Each year since 1985 respondents are asked if they have left education since the beginning of the year prior to the survey and which degrees they have obtained. This part of the questionnaire contains an open question on the type and the field of newly obtained tertiary degrees. This information is coded and used for the generation of the variables PGDEGREE.
2. Biography questionnaire: Since 2001 similar information is collected from respondents who fill in the biography questionnaire (usually during the first two years of participation in the panel). In contrast to the information from the person questionnaire the questions do not refer to currently obtained degrees but to degrees obtained during the time before being part of the SOEP sample.

In the variable PGDEGREE we combine these two types of information. However, since the retrospective information was not collected before 2001 the variable covers until 2000 only persons for whom we have prospectively observed the end of study. This explains why the number of valid observations is rather small in these years. Information on the data source is stored in the variable PGFDT_F.

Each year the variable contains the most recently collected information. Take for instance a person for whom we have observed first an applied university diploma in 1987 and a university diploma in 1991. For this person the variables DEGREE\$\$ would be filled as follows:

year	value
1984-1986	-2 does not apply
1987-1990	21 diploma (applied university)
1991-today	12 diploma (university)

If you want to take into account that a person holds two degrees you have to combine the information from all available years. However, only a minority of the population holds more than one tertiary degree. In very few cases we encounter the problem that a respondent provides information on two different degrees in one survey year. This only happens in years when respondents fill in the person as well as the biography questionnaire. In these cases we prioritize the information from the person questionnaire as it refers to the current situation while the biography questionnaire contains retrospective information. Furthermore, there are cases who report an applied university degree and a university degree in the biography questionnaire. In these cases, the variables contain information on the university degree only.

The variable is coded according to a slightly collapsed version of the classification on types of tertiary degrees ("Prüfungsgruppen und Abschlussprüfungen") provided by the Statistisches Bundesamt (2009). Until 2009, data from the person questionnaire were coded using an earlier version of this classification (1982) which was slightly revised in 2009 (inclusion of Bachelor and Master degrees). Since 2010 the data were coded according to the classification presented here. In the variable PGDEGREE we recoded the original values from years 2009 and earlier. As the newer version is more precise this could be done with hardly any loss of information. Some categories are collapsed. Category 16 was mostly likely coded as 15 in earlier years, 34 as 35 and 43 as 44. The original values of the data collected from the person questionnaire up to 2009 are stored in the respective variables in the dataset \$P.

Please note that for respondents from the newly introduced migration sample a valid value to PGDEGREE was only assigned if the tertiary degree was attained in Germany.

Statistisches Bundesamt (2009): Bildung und Kultur. Studierende an Hochschulen, Fachserie 11, Reihe 4.1, Wiesbaden: 449ff, Übersicht 2: „Prüfungsgruppen und Abschlussprüfungen“.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgtraina - Apprenticeship - two-digit occupation KldB92

110	Farmers, general	1724
111	Fruit and vegetable farmers (non-horticultural)	12
112	Arable farmers (special, permanent crops)	45
113	Livestock farmers and pasture farmers	0
114	Seed, crop producers, propagators (non-horticultural)	7
115	Crop protectors	34
116	Farmers and landlords	62
118	Farmers and wine growers	11
120	Wine growers, general	40
121	Vine propagators	0
129	Other wine growers	0
130	Agricultural workers, general	418
131	Agricultural supervisors	0
132	Agricultural machinery drivers	0
133	Vineyard workers	0
...	(2263 rows omitted)	171932

9911	Specialized professionals without further specification	132
9921	Homeworkers without further specification	0
9931	Forepersons, group leaders without further specification	0
9941	Persons doing community service without further specification	0
9951	Self-employed persons without further specification	0
9961	Consultancy, planning professionals without further specification	13
9971	Other employees without further specification	10910
-1	No answer	4710
-2	Does not apply	607689
-3	Answer improbable	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	2473

Waves: -1985

The variable is designed to provide information on the occupation of vocational training which adds details to the information recorded in the variable PGPBBIL01. In addition to the variable PGTRAINA, we provide the variables PGTRAINB, PGTRAINC and PGTRAIND. All these variables record the occupation of vocational training. The difference is that PGTRAINA contains information on vocational training within the German dual system which combines firm-based and school-based training (apprenticeship). PGTRAINB is designed to provide information on the occupation of full-time school based vocational training. PGTRAINC contains information on level vocational training (e.g., Meister, Techniker). PGTRAIND is designed to provide information on the occupation of civil servant training ("Beamtenausbildung"). We describe in brief detail the construction of the variables PGTRAINA, PGTRAINB, PGTRAINC and PGTRAIND are constructed in an analogous manner.

The data of the generated variable PGTRAINA stem from two sources:

1. Person questionnaire: Each year since 1985 respondents are asked if they have left education since the beginning of the year prior to the survey and which degrees they have obtained. This part of the questionnaire contains an open question on the type and the field of newly obtained tertiary degrees. This information is coded and used for the generation of the variable PGTRAINA.
2. Biography questionnaire: Since 2001 similar information is collected from respondents who fill in the biography questionnaire (usually during the first two years of participation in the panel). In contrast to the information from the person questionnaire the questions do not refer to currently obtained vocational qualifications but to qualifications obtained during the time before being part of the SOEP sample.

In the variable PGTRAINA we combine these two types of information. However, since the retrospective information was not collected before 2001 the variable covers until 2000 only persons for whom we have prospectively observed the end of study. This explains why the number of valid observations is rather small in these years. Information on the data source is stored in the variable PGFDT_F.

Each year the variable contains the most recently collected information. Take for instance a person for whom we have observed a first vocational qualification as an electrician in 1987 and a second qualification as a car mechanic in 1991. For this person the variables PGTRAINA would be filled as follows:

year	value
1984-1986	-2 does not apply
1987-1990	31 electrical occupation
1991-today	28 automotive/flight industry occupation

If you want to take into account that a person holds two vocational qualifications you have to combine the information from all available years. In few cases we encounter the problem that a respondent provides information on two different apprenticeships in one survey year. This only happens once, namely in years when respondents fill in the person as well as the biography questionnaire. In these cases we prioritize the information from the person questionnaire as it refers to the current situation while the biography questionnaire contains retrospective information.

The variable is coded according to the classification of occupations at two-digit level („Berufsgruppen“) provided by the Statistisches Bundesamt (1992). Other SOEP occupation variables are coded at four-digit level. The reason why the variable PGTRAINA is provided at two-digit level only is that until 2009 the data from the two different sources were coded according two different classifications which could be combined at a higher level of aggregation only. The person questionnaire data were coded according to the classification of occupations provided by the Bundesanstalt für Arbeit (1988, four-digit level) while the biography data use the classification provided by the Statistisches Bundesamt (1992, four-digit level). Since 2010 both types of data are coded according to the latter classification. The four-digit version of the biography data can be provided upon request. The original values of the data collected from the person questionnaire up to 2009 are stored in the respective variables in the dataset PL. Please note that for respondents from the newly introduced migration sample a valid value to PGTRAINA was only assigned if the vocational training was completed in Germany.

Hartmann/Schütz (2002): Die Klassifikation der Berufe und der Wirtschaftszweige im Sozio-ökonomischen Panel. Neuvercodung der Daten 1984–2001. Infratest Sozialforschung, München. For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgtrainb - Vocational school - two-digit occupation KldB92

110	Farmers, general	58
111	Fruit and vegetable farmers (non-horticultural)	0
112	Arable farmers (special, permanent crops)	0
113	Livestock farmers and pasture farmers	0
114	Seed, crop producers, propagators (non-horticultural)	0
115	Crop protectors	0
116	Farmers and landlords	8
118	Farmers and wine growers	0
120	Wine growers, general	0
121	Vine propagators	0
129	Other wine growers	0
130	Agricultural workers, general	46
131	Agricultural supervisors	0
132	Agricultural machinery drivers	0
133	Vineyard workers	0
...	(2263 rows omitted)	30227
9911	Specialized professionals without further specification	54
9921	Homeworkers without further specification	0

9931	Forepersons, group leaders without further specification	0
9941	Persons doing community service without further specification	0
9951	Self-employed persons without further specification	0
9961	Consultancy, planning professionals without further specification	0
9971	Other employees without further specification	5267
-1	No answer	1460
-2	Does not apply	760242
-3	Answer improbable	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	2850

Waves: -1985

The variable is designed to provide information on the occupation of full-time school based vocational training (e.g., Berufsfachschule, Schule des Gesundheitswesens, Handelsschule). See the description of variable PGTRAINA for more details on the construction and the values of the variable.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgtrainc - Higher vocational school - two-digit occupation KldB92

110	Farmers, general	411
111	Fruit and vegetable farmers (non-horticultural)	0
112	Arable farmers (special, permanent crops)	42
113	Livestock farmers and pasture farmers	0
114	Seed, crop producers, propagators (non-horticultural)	0
115	Crop protectors	0
116	Farmers and landlords	0
118	Farmers and wine growers	0
120	Wine growers, general	20
121	Vine propagators	0
129	Other wine growers	0
130	Agricultural workers, general	14
131	Agricultural supervisors	0
132	Agricultural machinery drivers	0
133	Vineyard workers	0
...	(2263 rows omitted)	19564
9911	Specialized professionals without further specification	0
9921	Homeworkers without further specification	0
9931	Forepersons, group leaders without further specification	0
9941	Persons doing community service without further specification	0
9951	Self-employed persons without further specification	0
9961	Consultancy, planning professionals without further specification	0
9971	Other employees without further specification	3396
-1	No answer	998
-2	Does not apply	773949
-3	Answer improbable	0

-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	1818

Waves: -1985

The variable is designed to provide information on the occupation of higher level vocational training (e.g., Meister, Techniker). See the description of variable PGTRAINA for more details on the construction and the values of the variable.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgtraind - Civil servant training - two-digit occupation KldB92

110	Farmers, general	2
111	Fruit and vegetable farmers (non-horticultural)	0
112	Arable farmers (special, permanent crops)	0
113	Livestock farmers and pasture farmers	0
114	Seed, crop producers, propagators (non-horticultural)	0
115	Crop protectors	0
116	Farmers and landlords	0
118	Farmers and wine growers	0
120	Wine growers, general	0
121	Vine propagators	0
129	Other wine growers	0
130	Agricultural workers, general	0
131	Agricultural supervisors	0
132	Agricultural machinery drivers	0
133	Vineyard workers	0
...	(2263 rows omitted)	6966
9911	Specialized professionals without further specification	0
9921	Homeworkers without further specification	0
9931	Forepersons, group leaders without further specification	0
9941	Persons doing community service without further specification	0
9951	Self-employed persons without further specification	0
9961	Consultancy, planning professionals without further specification	0
9971	Other employees without further specification	2014
-1	No answer	427
-2	Does not apply	790350
-3	Answer improbable	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	0
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8	Question not part of the survey program this year	453

Waves: -1985

The variable is designed to provide information on the occupation of civil servant training (“Beamtenausbildung”). See the description of variable PGTRAINA for more details on the construction and the values of the variable.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgfdt_f – Data source FIELD, DEGREE, TRAIN

1	Individual Questionnaire	22924
2	Gap Questionnaire (temporary drop-outs)	873
3	Biographical Questionnaire	225783
4	Various Sources	0
-1	[de] No Answer	0
-2	Does not apply	550632
-7	Only available in less restricted edition	0

Waves: -1985

This is a flag variable which provides information on the data sources used for the construction of the variables PGFIELD, PGDEGREE, PGTRAINA, PGTRAINB, PGTRAINC and PGTRAIND (see the description of the respective variables for details).

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

pgbiltzch – Change in Education since last survey / last year

0	Inconsistent educational information since last year	626704
1	Inconsistent educational information since last survey	7
2	Inconsistent educational information since last year	3583
-2	Does not apply	169918
-7	Only available in less restricted edition	0

Waves: -1985

This is a flag variable which identifies observations with inconsistent changes in the information on highest educational qualification compared to the previous observation or year.

Questions on highest educational attainment have been asked in the first survey and were only updated in subsequent years if the respondent reported a change. In the year 2000, every single SOEP participant was asked his highest level of educational attainment which produced a number of inconsistencies between the most recent information from 2000 and the generated information from previous years. These inconsistencies include both higher and lower educational attainment and are not just due to repeating the question about educational attainment in 2000. They also occur more generally, although to a lower degree, in the second survey wave of new samples when respondents to individual and life history questionnaires are asked to state their educational attainment. In both situations, respondents are not only asked annual questions about any changes in educational attainment since the previous year, but are also asked to state their highest level of educational attainment.

In our view there is no means of unequivocally correcting for these inconsistencies. The flag variable helps researchers to identify observations with inconsistent answers to educational questions in the cross-sectional perspective. Researchers need to decide how to deal with these on a case-by-case basis depending on the research question at hand.

So far, we have not found evidence that respondents with a change in the year 2000 differed systematically from other respondents. One possible approach would be to exclude these individuals from the analysis when sample size allows. Alternatively, one could apply the information collected in 2000 to the prior years in which no changes were recorded between two years and test whether the results differ from those obtained when these individuals are left out.

File BIOEDU contains new data on consistent longitudinally tested educational transitions. *For more information, contact:* Charlotte Bartels (Tel. +49-30-89789-346)

pgbilztev – Change in Education, total observed period

0	Consistent educational information	672968
1	Inconsistent educational decline	36
2	Inconsistent educational increase	67311
3	Inconsistent educational decline and increase	0
-2	Does not apply	59897
-7	Only available in less restricted edition	0

Waves: -1985

This flag variable identifies observations with at least one inconsistent change in the information given on individual highest educational qualification over the whole observation period. See the description of variable PGBILZTCH for more details on the sources of these inconsistencies.

For more information, contact: Charlotte Bartels (Tel. +49-30-89789-346)

12 Political Attitudes

pgpicoriga – Party Identification in Country of Origin

1	Yes	241
2	No	4088
-1	No answer	136
-2	Does not apply	0
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	25405
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	770342

pgpicorigb – Party Identified with in Country of Origin

	770342
AF_a_Afghan Nation	9
AF_a_Afghanistan Republic Party	4
AF_a_Islamic Society	3

AF_a_Islamic Unity Party of Afghanistan	2
AF_a_National-Islamic Front of Afghanistan	1
AF_a_National Islamic Movement of Afghanistan	3
AF_a_Peoples Islamic Movement of Afghanistan	2
AF_a_Peoples Islamic Unity Party of Afghanistan	7
AL_a_Red and Black Alliance	1
AL_PD_Democratic Party of Albania	4
AL_PS_Socialist Party of Albania	1
AM_HAK_Armenian National Congress	1
AM_OEK_Rule of Law	1
does not apply	4224
... (22 rows omitted)	25557
RS-KM_a_Serbian List	2
RS-KM_LDK_Democratic League of Kosovo	1
RS-KM_PDK_Democratic Party of Kosovo	1
RS_DS_Democratic Party	1
RU_ER_United Russia	1
RU_LDPR_Liberal Democratic Party of Russia	3
RU_SR_A Just Russia	1
SO_a_Democratic Party of Somalia	1
SO_a_United Somali Parliamentarians	1
SY_a_Arab Socialist Ba'ath Party	15
SY_a_Arab Socialist Union of Syria	1
SY_a_Free Syrian Army	7
SY_a_Syrian Communist Party	5
SY_a_Syrian National Coalition	9
UA_a_Party of Regions Opposition Bloc	1

pgpicorigc – Party Family of PI in Country of Origin

0	Not Categorized	57
1	ECO_Ecological Parties	0
2	COM_Socialist Parties	7
3	SOC_Social Democratic Parties	6
4	LIB_Liberal Parties	3
5	CHR_Christian Democratic Parties	0
6	CON_Conservative Parties	10
7	NAT_Nationalist Parties	23
8	AGR_Agrarian Parties	0
9	ETH_Ethnic and Regional Parties	22
10	SIP_Special Issue Party	0
11	ISP_Islamic Parties	7
-1	No answer	106
-2	Does not apply	4224
-3	Not valid	0
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	25405
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

-8 Question this year not part of survey 770342

13 Information on the Interview

imonth – Month Of Interview

1	January	45914
2	February	177540
3	March	192092
4	April	112957
5	May	71120
6	June	56877
7	July	42570
8	August	32388
9	September	24611
10	October	19167
11	November	14807
12	December	10120
-1	No answer	0
-2	Does not apply	0
-3	Not valid	49
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

Month of interview is generated using the answers to the individual questionnaire. Missing answers are filled in using data from the files HBRUTTO and HBRUTTOL. Interviews that took place in December and before the 20th of that month were recoded -3.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

iyear – Personal Related Survey Year

2009	20776	
2010	259	
2017	31894	
2018	31402	
2019	31169	
2020	29979	
2021	20906	
2022	29459	
2023	705	
-2	Does not apply	0
-7	Only available in less restricted edition	0
-8	Question this year not part of survey	603663

Waves: all

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

pgmode – Interview Method

100	With Interviewer Assistance	10877
110	Oral Interview	161438
120	Written Ques. No Interviewer	146671
130	Mixed Type	0
131	Written Ques. Interviewer	25248
132	Oral And Written	19728
133	Proxy	155
134	Third Person Present	3227
135	No Third Person Present	20991
140	CAPI - Since 1998 (O)	293426
150	CAWI Since 2014 (BE)	20901
160	CATI since 2021	1420
170	CASI since 2021	1257
200	Telephone Assistance	0
210	Written, By Mail	72817
220	Telephone Interview	4404
230	CAPI by phone	16528
-1	No answer	1105
-2	Does not apply	0
-3	Not valid	19
-4	Forbidden Multiple Response	0
-5	Not Included In Questionnaire Version	0
-6	Questionnaire Version With Modified Filter	0
-7	Only available in less restricted edition	0

Waves: all

The interview method is generated via the answers to the questions in the individual questionnaire. Missing answers are filled in from the files PBRUTTO and PBRUTTOL.

For more information, contact: Peter Krause (Tel. +49-30-89789-690)

inputdataset – Source dataset

apgen	12245
bapgen	27124
bbpgen	29264
bcpgen	28520
bdpgen	31523
bepgen	28042
bfpgen	27743
bgpgen	29870
bhpgen	33265
bipgen	30997
bjpgen	30397

bkpgen	31083
blpgen	20770
bmpgen	29002
bpgen	11090
... (9 rows omitted)	108529
lpgen	13768
mpgen	13511
npgen	13283
opgen	14670
ppgen	14085
qpgen	24576
rpgen	22351
spgen	23892
tpgen	22611
upgen	22019
vpgen	21105
wpgen	22665
xpgen	21232
ypgen	19945
zpgen	21035

Waves: all