2018-19 ILR data checking tool: Student characteristics data summary technical algorithms and rebuild instructions

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Publication date: 12 August 2019

Contents

Purpose

1. This document provides technical detail regarding the student characteristics data summary within the 2018-19 Individualised Learner Record (ILR) data checking tool. The summary comprises two files:

   a. The student characteristics data summary workbook 'SC18_DCT_100XXXXX.xlsx'.

   b. The student characteristics data individualised file SC18_DCT_100XXXXX_IND.csv.

2. The algorithms applied to the ILR data to create the figures in the student characteristics (SC) workbook are provided within this document. It also includes the instructions that allow providers to rebuild the student characteristics data summary tables from the individualised file provided. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to have a copy of 'Specification of the Individualised Learner Record for 2018 to 2019' (available from the Education & Skills Funding Agency via https://www.gov.uk/government/publications/ilr-specification-validation-rules-and-appendices-2018-to-2019) to hand when using this document.

3. The student characteristics data summary identifies fields taken from the ILR that are used in the construction of institutional performance measures. These are fields that classify a student's background or other characteristics for use in quality and institutional performance measures, including the benchmarking and presentation of metrics used in the Teaching Excellence and Student Outcomes Framework (TEF).

4. This data summary is provided to help identify potential errors and reduce the numbers of unknown or unpopulated student characteristics in ILR data that will affect our uses of the data. Figures from 2017-18 ILR have been calculated on the same basis as the 2018-19 algorithms described in this document, and are included in the workbook file to illustrate year on year changes in absolute numbers and proportions.

5. This document also contains a description of the algorithms used to create the entry population (see paragraphs 38-42) on the Discover Uni website, our new resource for supporting prospective student decision making which replaces Unistats. Along with the other student characteristic information described below, you can use the Discover Uni population marker and the algorithms provided to preview a close approximation of the entry metric for any relevant courses submitted. These markers have been included in this output to reduce the number of different outputs created for each provider making it easier to find useful information.

Student characteristics (SC) data summary workbook

6. The Student Characteristics workbook can be accessed from the OfS portal. The Excel workbook SC18_DCT_XXXXXXXX.xlsx (where XXXXXXXX is the UK Provider Reference Number (UKPRN) for the provider) contains the following worksheets:

Table 1 Excel workbook 'SC18_DCT_XXXXXXXX.xlsx'

Worksheet*	Title
Coversheet	Title page
Age	Student headcount in each age category
Degree class	Student headcount in each degree class
Disability	Student headcount in each disability category
Domicile	Student headcount in each domicile category
Ethnicity	Student headcount in each ethnicity category and a breakdown by ethnicity type
Entry qualifications	Student headcount in each entry qualification category
Level of study	Student headcount at each level of study
Postcode	Student headcount with known and unknown postcode prior to enrolment
Subject	Student headcount in each subject category
Teaching Provider	Student headcount for each teaching provider

* This worksheet reference corresponds to the spreadsheet tabs.

Using the individualised file

7. Full details of how to access this file are given on the OfS website (www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/).

8. When working through this document it is necessary to use the individualised file, SC18_DCT_XXXXXXXX_IND.csv, where XXXXXXXX is the UKPRN for the provider. This will show the allocation of students to cells within the tables. Full details of how to access this file are given on the OfS website (www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/). Fields prefixed with 'SC' or 'OFS' are derived, all others are taken directly from the Individualised Learner Record (ILR) or Learning Aim Reference Service (LARS).

9. The individualised files each contain one record for each instance of higher education level study in a subject area in the latest academic year. For example, a student who is studying for a first degree in biology in 2018-19 will have one record for that instance and will count as one full-person equivalent (FPE = 100; a headcount measure). A student who is studying a joint course first degree with equal proportions of mathematics and physics in 2018-19 will have two records for that instance; one for each subject area, with each assigned an FPE of 50 (their single headcount for the instance being apportioned across the subject areas according to the proportion of the course that relates to each subject they are studying).

ILR fields used in the student characteristics tables

10. Only certain fields, detailed in Table 2, were used to generate the student characteristic figures. Fields taken from the ILR return or derived as part of the comparison tables are shown in capitals using the names given in Tables 2 and 3 respectively.

Table 2 Fields used in the student characteristics tables

Name	Description	Dataset
UKPRN†	UK provider reference number	ILR
LEARNREFNUMBER†	Learner reference number	ILR
AIMSEQNUMBER†	Learning aim data set sequence	ILR
ULN†	Unique learner number	ILR
NUMHUS†	Student instance identifier	ILR
LEARNAIMREF	Learning aim reference	ILR
DATEOFBIRTH	Date of birth	ILR
DOMICILE	Country of domicile	ILR
ETHNICITY	Ethnicity	ILR
LEARNFAM_DLA	Learner is in receipt of disabled students' allowance	ILR
LEARNACTENDDATE	Learning actual end date	ILR
LEARNSTARTDATE	Learning start date	ILR
LEARNPLANENDDATE	Learning end date	ILR
LLDDHEALTHPROB	LLDD and health problem	ILR
MODESTUD	Mode of study	ILR
OUTCOME	Indicates whether the learner achieved the learning aim	ILR
OUTGRADE	The examination grade awarded to the learner for the learning aim	ILR
PCFLDCS, PCSLDCS PCTLDCS	Proportion taught in LDCS_CO1-CO3 subject	ILR
POSTCODEPRIOR	Postcode prior to enrolment	ILR
QUALENT3	Qualification on entry	ILR
STULOAD	Student instance FTE	ILR
LDCS_CO1, LDCS_CO2, LDCS_CO3	Learning directory classification system codes	LARS
QUAL_TIT†	Learning aim title	LARS
QUAL_TYP	Learning aim type	LARS

† These fields are not used in the student characteristics calculations but are included in the individualised file to allow easy identification of students.

Derived fields used to create student characteristic tables

11. Here we give details of the derived fields in the individualised file. These fields are used to build the key dimensions of the student characteristics tables.

Table 3 Student characteristics derived fields

Derived field name	Description	Paragraph
OFSQAIM†	Recognised HE qualification aim	12
SCCRSELGTH	Expected duration of study	13
SCMODE	Mode of study	14
SCLEVEL_DETAIL	Level of study	15

Derived field name	Description	Paragraph
SCAPPRENTICE	Apprenticeship	16
SCLEVEL	Level of study, broad categories	17
SCPOP	Inclusion in population for student characteristics	18
SCYEAR_ST	Academic start year	19
SCAGE_DETAIL	Age	20
SCAGE	Age	21
SCDEGCLASSPOP	Inclusion in population for degree classification	22
SCDEGCLASS	Degree classification	23
SCDISABLE	Disability	24
SCDSA	Disabled students allowance	25
SCDISABLETYPE	Disability type	26
SCDOM	Domicile	27
SCETHNIC	Ethnicity	28
SCENTQUALGRP	Highest qualification on entry	29
SCPOSTCODE	Postcode prior to enrolment	30
SCLDCS	Learn direct codes	31
SCJACS	JACS subject codes	32
SCFPE	Full person equivalent	33
SCSBJ_CAH1	CAH1 subject code	34
SCSBJ_CAH2	CAH2 subject code	35
SCSBJ_CAH3	CAH3 subject code	36
SCUKPRNTC	Teaching provider	37

† The algorithms for deriving these fields are given in 'HEIFES17 comparison algorithms' (see the 'HEIFES17 comparison technical document'); the paragraph references refer to this document

OFSQAIM

12. This field classifies qualification aims into broad levels of higher education. For a full definition of this field please refer to '2018-19 ILR data checking tool: Classifying learning aims technical document' (available via: https://www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2018-19-ilr-data-checking-tool/).

SCCRSELGTH

13. This field contains the number of years that the qualification aim is expected to last. If a student's planned end date falls within the first 14 days of a second year of study, the number of years is taken as one. Otherwise, it is rounded up to the nearest whole number. SCCRSELGTH is the difference in years between LEARNSTARTDATE and LEARNPLANENDDATE. For example, a course with LEARNSTARTDATE = 1 October 2014 and LEARNPLANENDDATE = 5 January 2016 will have SCCRSELGTH = 2.

SCMODE

14. This field allocates students to mode of study.

Value	Description	Definition
FT	Full-time	MODESTUD = 01, 02 or (MODESTUD = 99, BLANK and (SCCRSELGTH = 1 or (SCCRSELGTH ≤ 2 and OFSQAIM = HIGHER, FIRST, FOUDEG, DIPHE, HND) or (SCCRSELGTH ≤ 3 and OFSQAIM = HIGHER, FIRST) or (SCCRSELGTH ≤ 4 and OFSQAIM = ENHANCED)))
PT	Part-time	Otherwise

SCLEVEL_DETAIL

15. This field classifies qualification aims into specific levels of study.

Value	Description	Definition
HNC	HNC	OFSQAIM = HNC
HND	HND	OFSQAIM = HND
FOU	Foundation degree	OFSQAIM = FOUDEG
UGDIP	Undergraduate diploma	OFSQAIM = DIPHE, DTLLS, DET
FDBC	Foundation degree bridging course	OFSQAIM = FDBC
OUG	Other undergraduate	OFSQAIM = CERTED, UGOTHER, UNICERT, CET, CTLLS, PTLLS, HIGHCERT, OTHL4_Q, OTHL4_CC, OTHL4_U, OTHL5_Q, OTHL5_CC, OTHL5_U, OTHL6_Q, OTHL6_CC, OTHL6_U, OTHHEQ, OTHHE_CC, OTHHE_U
DEG	First degree	OFSQAIM = FIRST
INTM	Integrated masters	OFSQAIM = ENHANCED
PGCE	PGCE	OFSQAIM = PGCE
OPGT	Other postgraduate taught	OFSQAIM = PGDIP, PGOTHER, PGCERT, OTHL7_Q, OTHL7_CC, OTHL7_U, OTHL8_Q, OTHL8_CC, OTHL8_U
PGTM	Postgraduate taught masters	OFSQAIM = MASTER
PHD	PhD and MPhil	OFSQAIM = HIGHER
OTHER	Further education	OFSQAIM = FE

SCAPPRENTICE

16. This field indicates whether the learning aim is part of an apprenticeship at any level.

Value	Description	Definition
1	The learning aim is part of an apprenticeship at any level	PROGTYPE = 02, 03, 10, 20, 21, 22, 23, 25
0	The learning aim is not part of an apprenticeship at any level	Otherwise

SCLEVEL

17. This field classifies qualification aims into broad levels of study.

Value	Description	Definition
APPR	Apprenticeship	SCAPPRENTICE = 1 and SCLEVEL_DETAIL in OUG, FOU, HND, HNC, UGDIP, FDBC, DEG, INTM, PHD, PGTM, PGCE, OPGT
OUG	Other undergraduate	SCLEVEL_DETAIL = OUG, FOU, HND, HNC, UGDIP, FDBC and not above
DEG	First degree	SCLEVEL_DETAIL = DEG, INTM and not above
PG	Postgraduate	SCLEVEL_DETAIL = PHD, PGTM, PGCE, OPGT and not above
OTHER	Other	Otherwise

SCPOP

18. This field indicates whether a student is in the student characteristics population.

Value	Description	Definition
1	In the population	SCLEVEL ≠ OTHER
0	Not in the population	Otherwise

SCYEAR_ST

19. The academic year the student entered on to the course taken from LEARNSTARTDATE. If the month of LEARNSTARTDATE is between January and July, then SCYEAR_ST is the year prior to the calendar year of entry.

SCAGE_DETAIL

20. This field indicates the age category of the student at 31 August in the year they commence their studies.

Value	Description	Definition
UNKNOWN	Unknown	DATEOFBIRTH = BLANK or Year of DATEOFBIRTH = 9999 or DATEOFBIRTH > 31 August SCYEAR_ST - 10
U21	Under 21 on entry	DATEOFBIRTH > 31 August SCYEAR_ST - 21
21_25	Between 21 and 25 on entry	DATEOFBIRTH ≤ 31 August SCYEAR_ST - 21 and DATEOFBIRTH > 31 August SCYEAR_ST – 26
26_30	Between 26 and 30 on entry	DATEOFBIRTH ≤ 31 August SCYEAR_ST - 26 and DATEOFBIRTH > 31 August SCYEAR_ST - 31
31_40	Between 31 and 40 on entry	DATEOFBIRTH ≤ 31 August SCYEAR_ST - 31 and DATEOFBIRTH > 31 August SCYEAR_ST - 41
41_50	Between 41 and 50 on entry	DATEOFBIRTH ≤ 31 August SCYEAR_ST - 41 and DATEOFBIRTH > 31 August SCYEAR_ST - 51
51+	51 and over on entry	Otherwise

SCAGE

21. This field indicates the age category of the student at 31 August in the year they commence their studies. This field groups the over 21 age groups into two categories.

Value	Description	Definition
21_30	Between 21 and 30 on entry	SCAGE_DETAIL = 21_25, 26_30
31+	31 and over on entry	SCAGE_DETAIL = 31_40, 41_50, 51+
SCAGE_DETAIL	Otherwise	SCAGE

SCDEGCLASSPOP

22. This field indicates whether a student is a first degree qualifier.

Value	Description	Definition
1	In the population	SCLEVEL = DEG and OUTCOME = 1
0	Not in the population	Otherwise

SCDEGCLASS

23. This field indicates the degree classification awarded to first degree students.

Value	Description	Definition
FIRST	First class honours degree	SCDEGCLASSPOP = 1 and OUTGRADE = FI
2_1	Upper second class honours degree	SCDEGCLASSPOP = 1 and OUTGRADE = SU
DIST	Distinction	SCDEGCLASSPOP = 1 and OUTGRADE = DS, DS*
MER	Merit	SCDEGCLASSPOP = 1 and OUTGRADE = ME
PASS	Pass	SCDEGCLASSPOP = 1 and OUTGRADE = PA
OTH_HONOURS	Other classifications of honours degree	SCDEGCLASSPOP = 1 and OUTGRADE = SL, SE, TH, FO
UNCLASS	Unclassified awards after following an honours degree	SCDEGCLASSPOP = 1 and OUTGRADE ≠ BLANK and not above
UNKNOWN	Unknown classification	SCDEGCLASSPOP = 1 and OUTGRADE = BLANK and not above

SCDISABLE

24. This field indicates whether the student has a reported disability.

Value	Description	Definition
Y	The student has declared a disability	LLDDHEALTHPROB = 1 and SCDISABLETYPE ≠ NONE
N	The student has declared no disability	LLDDHEALTHPROB = 2 and SCDISABLETYPE = NONE
UNKNOWN	No information provided by the learner	Otherwise

SCDSA

25. This field indicates whether the student is in receipt of Disabled Students' Allowance (DSA).

Value	Description	Definition
Y	The student is in receipt of DSA	LEARNFAM_DLA = 1
N	The student is not in receipt of DSA	Otherwise

SCDISABLETYPE

26. This field indicates the type of disability a student has.

Value	Description	Definition
NONE	The student is not disabled or has an unknown disability	PRIMARYLLDD = 98, 99, BLANK
MULTI	The student has other or multiple impairments	PRIMARYLLDD = 2, 97
SOC	The student has a social or communication impairment	PRIMARYLLDD = 1, 8, 14, 15, 17
COG	The student has cognitive or learning difficulties	PRIMARYLLDD = 3, 10, 11, 12, 13, 94, 96
MH	The student has a mental health condition	PRIMARYLLDD = 9
PHY	The student has sensory, medical or physical impairments	PRIMARYLLDD = 4, 5, 6, 7, 16, 93, 95

SCDOM

27. This field indicates whether the student is domiciled in the UK, other EU countries or elsewhere.

Value	Description	Definition
E	England	DOMICILE = XF or (DOMICILE = XJ, XK, GB and (POSTCODEPRIOR is in England or (POSTCODEPRIOR = BLANK or POSTCODEPRIOR begins ZZ)))
OUK	UK, except England	DOMICILE = XG, XH, XI, XJ, XK, GB and not above
OEU	Other EU	DOMICILE = AI, AN, AQ, AT, AW, AX, BE, BG, BL, BM, BQ, CH, CW, CY, CZ, DE, DK, EE, ES, EU, FI, FK, FO, FR, GF, GI, GL, GP, GR, GS, HR, HU, IC, IE, IO, IS, IT, KY, LI, LT, LU, LV, MF, MQ, MS, MT, NC, NL, NO, PF, PL, PM, PN, PT, RE, RO, SE, SH, SI, SK, SX, TC, TF, VG, WF, XA, XD, XE, YT
UNKNOWN	Unknown domicile	DOMICILE = ZZ, BLANK
OTHER	Not EU	Otherwise

SCETHNIC

28. This field indicates the student's ethnicity.

Value	Description	Definition
A	Asian	ETHNICITY = 39, 40, 41, 42, 43
B	Black	ETHNICITY = 44, 45, 46
W	White	ETHNICITY = 31, 32, 33, 34
M	Mixed	ETHNICITY = 35, 36, 37, 38
O	Other	ETHNICITY =47, 98
UNKNOWN	Unknown ethnicity	Otherwise

SCENTQUALGRP

29. This field contains the broad grouping of the student's highest qualification on entry.

Value	Description	Definition
HEPG	HE: Postgraduate level	QUALENT3 = DUK, DZZ, D80, M41, M44, M71, M80, M90, MUK, MZZ, H71
HEFD	HE: First degree level	QUALENT3 = M2X, H11, HUK, HZZ, JUK
HEOUG	HE: Other undergraduate level	QUALENT3 = H80, J10, J20, J30, J48, J80, C20, C30, C44, C80, C90
BACC	Baccalaureate	QUALENT3 = P62, P63
LEV3	Other Level 3 qualifications	QUALENT3* = P (excluding P62, P63)
FOUND	Foundation course	QUALENT3 = J49
ACCESS	Access course	QUALENT3 = X00, X01
NONE	No formal qualifications	QUALENT3 = X02, X03, X05
OTHERS	Other qualifications (unknown level, or below level 3)	QUALENT3* = Q, R, X04
UNKNOWN	Unknown qualifications	Otherwise

* the first character of QUALENT3 is used

SCPOSTCODE

30. This field shows the postcode prior to enrolment.

Value	Description	Definition
UNKNOWN	Unknown postcode	POSTCODEPRIOR = BLANK or (POSTCODEPRIOR = ZZ999ZZ and SCDOM = OUK, E)
KNOWN	Known postcode	Otherwise

SCLDCS

31. This field shows the Learn Direct codes that have been assigned to the student's programme of study. This directly maps from LDCS_CO1, LDCS_CO2, and LDCS_CO3.

SCJACS

32. This field shows the full 4-digit JACS code that has been assigned to the student's programme of study. The Learn Direct codes used to identify subject areas of study for students returned to the ILR (LDCS_CO1, LDCS_CO2, and LDCS_CO3) have been mapped to full 4-digit JACS codes.

SCFPE

33. This field shows the nominal full person equivalence (FPE) associated with the SCJACS code. This is derived using PCFLDCS, PCSLDCS and PCTLDCS.

SCSBJ_CAH1

34. The broad subject categorisations are based on level 1 of the Common Aggregation Hierarchy (CAH1, version 1.3.1)[1]. This field shows which of the CAH1 codes the LDCS and related SCJACS codes map to. Where we cannot map to a subject, we set SCSBJ_CAH1 = CAH23. It is only shown in the individualised file.

[1] See www.hesa.ac.uk/innovation/hecos

SCSBJ_CAH2

35. The subject categorisations are based on level 2 of the Common Aggregation Hierarchy (CAH2, version 1.3.1)[2]. This field shows which of the CAH2 codes the LDCS and related SCJACS codes map to. This field has an additional value of 'UNKNOWN'. This category includes students where an LDCS code is not recognised, missing, or returned without a taught proportion (via PCFLDCS, PCSLDCS and PCTLDCS as appropriate); or if a proportion is returned without the LDCS code; or the taught proportions for a student do not sum to 100.

SCSBJ_CAH3

36. The detailed subject groups are based on level 3 of the Common Aggregation Hierarchy (CAH3, version 1.3.1)[3]. This field shows which of the CAH3 codes the LDCS and related SCJACS codes map to. Where we cannot map to a subject, we set SCSBJ_CAH3 = CAH23-01-01. It is only shown in the individualised file.

SCUKPRNTC

37. This field shows the UKPRN of the provider where the student spends the majority of time being taught this academic year. It is calculated using the method described below. The SCUKPRNTC value will take into account where a provider has been involved in a merger since 2007-08.

Value	Description	Definition
Value of PARTNERUKPRN	Student spent the majority of the year at the provider recorded in PARTNERUKPRN	PCOLAB > 50 and PARTNERUKPRN ≠ 0, BLANK
Value of UKPRN	Otherwise	Otherwise

[2] See www.hesa.ac.uk/innovation/hecos
[3] See www.hesa.ac.uk/innovation/hecos

Discover Uni

Description of derived fields used in Discover Uni metrics

38. Discover Uni is the name of our new resource to support prospective student decision making which will replace Unistats. For consistency with previous years we have continued to label the variables 'UNISTATS_'. Here we give details of two derived fields in the individualised file*. These fields are used to build the key dimensions of the Discover Uni tables.

Table 3 Student characteristics derived fields

Derived field name	Description	Paragraph
UNISTATS_FYEAR	Student in first year of study	41
UNISTATS_ENTPOP	Student is included in Unistats entry population	42

* The individualised file, SC18_DCT_XXXXXXXX_IND.csv, downloadable from the OfS portal (see www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/).

39. Below you will find a description of the algorithm used to create the population for the entry population (UNISTATS_ENTPOP) metric used on the Discover Uni website. Along with the other student characteristic information described above, you can use these population markers and the algorithms provided to preview a close approximation of this metric for any relevant courses submitted. The entry population can be used with SCENTQUALGRP to create the mix of entry qualifications for a course. You can also use the SCSBJ_CAH1/2/3 fields to see which subject areas your courses could aggregate with on Discover Uni using the Common Aggregation Hierarchy subject groupings.

40. The population markers have been included in the individualised file named SC18_DCT_XXXXXXXX_IND.csv (where XXXXXXXX is your provider's UKPRN) which can be found in your results package to allow you to examine how our algorithms would apply to the data you have submitted. Full details of how to access this file are given on the OfS website (www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/).

UNISTATS_FYEAR

41. This field indicates whether the student is in the first year of their learning aim.

Value	Description	Definition
1	Student is in the first year of their learning aim	LEARNSTARTDATE > 31 July 2018 and LEARNSTARTDATE < 1 August 2019
0	Otherwise	Otherwise

UNISTATS_ENTPOP

42. This field indicates whether the student is included in the Unistats entry population.

Value	Description	Definition
1	Student is in the entry table	SCLEVEL ≠ OTHER, PG and SCLEVEL_DETAIL ≠ HNC and UNISTATS_FYEAR = 1 and STULOAD ≠ BLANK
0	Otherwise	Otherwise

Student characteristics data summary: rebuild instructions

43. Full details of how to access the student characteristics data summary tables and associated individualised files are given on the OfS website (www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/).The following sections of this document detail how to rebuild the populations of students found in the tables of the student characteristics data summary work book. These tables are listed in Table 4 below.

Table 4 Student characteristics data summary tables created using 2018-19 ILR data

Worksheet	Description
Coversheet	Title page with summary data tables
Age	Student headcount in each age category
Degree class	Student headcount in each degree class
Disability	Student headcount with and without disability and a breakdown by disability type.
Domicile	Student headcount in each domicile category
Ethnicity	Student headcount in each ethnicity category
Entry qualifications	Student headcount in each entry qualification category
Level of study	Student headcount in each level of study category
Postcode	Student headcount with known and unknown postcode prior to enrolment
Subject	Student headcount in each age category
Teaching provider	Student headcount in each teaching provider

44. To rebuild the headcount columns in the main student characteristics data summary tables, apply the following filters to the individualised file:

    a. First, restrict the data to the target population by applying one of the following criteria:

        i. For the level of study table filter to SCLEVEL_DETAIL ≠ OTHER and skip to paragraph 45c.

        ii. For degree class table filter to SCDEGCLASSPOP = 1

        iii. For all other tables filter to SCPOP = 1

b. To return the individual column populations apply the following additional filters to the individualised file as required. Note that for the degree class table only the first degree population is used:

- Apprenticeship: SCLEVEL = APPR
- Other UG students: SCLEVEL = OUG
- First degree: SCLEVEL = DEG
- All undergraduate: SCLEVEL = OUG, DEG
- Postgraduate: SCLEVEL = PG

c. To constrain the population to full-time or part-time, apply the following filters as required:

- Full-time: SCMODE = FT
- Part-time: SCMODE = PT

d. The additional filters which should be applied to the individualised file to create the population for each specific row are shown in the tables listed after paragraph 46.

e. Once all the required filters have been applied the headcount is returned by summing the values in the SCFPE column and dividing by 100.

45. To derive the number of **students falling into unknown categories** apply the appropriate filters as described in paragraph 45 then filter the category to unknown: e.g. SCAGE_DETAIL = 'UNKNOWN'. Sum the values in the SCFPE column and divide the total by 100 to return the headcount. The total number of students is calculated by clearing all filters then applying either:

    a. For the level of study table: SCLEVEL_DETAIL ≠ OTHER

    b. For all other tables: SCPOP = 1

    then summing the SCFPE column and dividing the result by 100. To calculate the percentage of unknowns divide the calculated number of unknowns by the total number of students.

46. **Changes in underrepresented groups** are calculated by subtracting the total number of students in the category and group (e.g. the Over 30 group of the Age category) in 2018-19 and subtracting from it the equivalent value from 2017-18. As above, the total number of students is found by filtering to the required population then summing the SCFPE column and dividing the result by 100.

Age_detail

Row value	Filter
Under 21	SCAGE_DETAIL = U21
21 - 25	SCAGE_DETAIL = 21_25
26 - 30	SCAGE_DETAIL = 26_30
31 - 40	SCAGE_DETAIL = 31_40
41 - 50	SCAGE_DETAIL = 41_50
51+	SCAGE_DETAIL = 51+
Unknown	SCAGE_DETAIL = U

Age

Row value	Filter
21 - 30	SCAGE = 21_30
31+	SCAGE = 31+
Otherwise	SCAGE = SCAGE_DETAIL

Degree class

Row value	Filter
First	SCDEGCLASS = FIRST
Upper second (2:1)	SCDEGCLASS = 2_1
Distinction	SCDEGCLASS = DIST
Merit	SCDEGCLASS = MER
Pass	SCDEGCLASS = PASS
Other honours classification	SCDEGCLASS = OTH_HONOURS
Unclassified degree award	SCDEGCLASS = UNCLASS
Unknown	SCDEGCLASS = UNKNOWN

Disability

Disability

Row value	Filter
Disability reported	SCDISABLE = Y
No disability reported	SCDISABLE = N
No information provided by the learner	SCDISABLE = UNKNOWN

DSA

Row value	Filter
Student in receipt of DSA allowance	SCDSA = Y
Student not in receipt of DSA allowance	SCDSA = N

Disability type

Row value	Filter
The student is not disabled	SCDISABLETYPE = NONE
The student has other or multiple impairments	SCDISABLETYPE = MULTI
The student has a social or communication impairment	SCDISABLETYPE = SOC
The student has cognitive or learning difficulties	SCDISABLETYPE = COG
The student has a mental health condition	SCDISABLETYPE = MH
The student has sensory, medical or physical impairments	SCDISABLETYPE = PHY

Domicile

Row value	Filter
England	SCDOM = E
Other UK	SCDOM = OUK
Other EU	SCDOM = OEU
Non-EU	SCDOM = OTHER
Unknown	SCDOM = UNKNOWN

Ethnicity

Row value	Filter
Asian	SCETHNIC = A
Black	SCETHNIC = B
White	SCETHNIC = W
Mixed	SCETHNIC = M
Other	SCETHNIC = O
Unknown	SCETHNIC = UNKNOWN

Entry qualifications

Row value	Filter
HE: Postgraduate level	SCENTQUALGRP = HEPG
HE: First degree level	SCENTQUALGRP = HEFD
HE: Other undergraduate level	SCENTQUALGRP = HEOUG
Baccalaureate	SCENTQUALGRP = BACC
Foundation course	SCENTQUALGRP = LEV3
Access course	SCENTQUALGRP = FOUND
Other Level 3 qualifications	SCENTQUALGRP = ACCESS
No formal qualifications	SCENTQUALGRP = NONE
Other qualifications (unknown level, or below level 3)	SCENTQUALGRP = OTHERS
Unknown	SCENTQUALGRP = UNKNOWN

Level of study

Row value	Filter
Higher national certificate (HNC)	SCLEVEL_DETAIL = HNC
Higher national diploma (HND)	SCLEVEL_DETAIL = HND
Foundation degree	SCLEVEL_DETAIL = FOU
Undergraduate diploma	SCLEVEL_DETAIL = UGDIP
Foundation degree bridging course	SCLEVEL_DETAIL = FDBC
Other undergraduate	SCLEVEL_DETAIL = OUG
First degree	SCLEVEL_DETAIL = DEG
Integrated masters	SCLEVEL_DETAIL = INTM
PGCE	SCLEVEL_DETAIL = PGCE
Other postgraduate (taught)	SCLEVEL_DETAIL = OPGT
Postgraduate taught masters	SCLEVEL_DETAIL = PGTM
PhD and MPhil	SCLEVEL_DETAIL = PHD
Unknown	SCLEVEL_DETAIL = OTHER

Postcode

Row value	Filter
Known	SCPOSTCODE = KNOWN
Unknown	SCPOSTCODE = UNKNOWN

Subject

Row value	Filter
Medicine and dentistry	SCSBJ_CAH2 =CAH01-01
Pharmacology, toxicology and pharmacy	SCSBJ_CAH2 =CAH02-02
Nursing and midwifery	SCSBJ_CAH2 =CAH02-04
Medical sciences	SCSBJ_CAH2 =CAH02-05
Allied health	SCSBJ_CAH2 =CAH02-06
Biosciences	SCSBJ_CAH2 =CAH03-01
Sport and exercise sciences	SCSBJ_CAH2 =CAH03-02
Psychology	SCSBJ_CAH2 =CAH04-01
Veterinary sciences	SCSBJ_CAH2 =CAH05-01

Agriculture, food and related studies	SCSBJ_CAH2 =CAH06-01
Physics and astronomy	SCSBJ_CAH2 =CAH07-01
Chemistry	SCSBJ_CAH2 =CAH07-02
General, applied and forensic sciences	SCSBJ_CAH2 =CAH07-04
Mathematical sciences	SCSBJ_CAH2 =CAH09-01
Engineering	SCSBJ_CAH2 =CAH10-01
Technology	SCSBJ_CAH2 =CAH10-02
Materials and technology	SCSBJ_CAH2 =CAH10-03
Computing	SCSBJ_CAH2 =CAH11-01
Architecture, building and planning	SCSBJ_CAH2 =CAH13-01
Sociology, social policy and anthropology	SCSBJ_CAH2 =CAH15-01
Economics	SCSBJ_CAH2 =CAH15-02
Politics	SCSBJ_CAH2 =CAH15-03
Health and social care	SCSBJ_CAH2 =CAH15-04
Law	SCSBJ_CAH2 =CAH16-01
Business and management	SCSBJ_CAH2 =CAH17-01
English studies	SCSBJ_CAH2 =CAH19-01
Celtic studies	SCSBJ_CAH2 =CAH19-02
Languages and area studies	SCSBJ_CAH2 =CAH19-04
History and archaeology	SCSBJ_CAH2 =CAH20-01
Philosophy and religious studies	SCSBJ_CAH2 =CAH20-02
Education and teaching	SCSBJ_CAH2 =CAH22-01
Combined and general studies	SCSBJ_CAH2 =CAH23-01
Media, journalism and communications	SCSBJ_CAH2 =CAH24-01
Creative arts and design	SCSBJ_CAH2 =CAH25-01
Performing arts	SCSBJ_CAH2 =CAH25-02
Geography, earth and environmental studies	SCSBJ_CAH2 =CAH26-01
Unknown subject[4]	SCSBJ_CAH2 =UNKNOWN

[4] . This category includes students where an LDCS code is missing or returned without a taught proportion (via PCFLDCS, PCSLDCS and PCTLDCS as appropriate), or a proportion is returned without the LDCS code, or the proportions for a student do not sum to 100.

Teaching provider

Row value	Filter
PARTNERUKPRN	PCOLAB > 50 and PARTNERUKPRN ≠ 0, BLANK
UKPRN	Otherwise