

# SPSS/Stata edition Census Microdata Teaching File

## 2011 Census

## Scotland

v.1.0

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## About the data source

This teaching dataset is an SPSS/Stata edition of Microdata Teaching File for Scotland produced by National Records of Scotland, drawn from data collected in the 2011 Census. It has been converted into SPSS and Stata by the Census Service of the UK Data Service.

The file was produced by National Records of Scotland with a variables list and a user guide – all of which have been replicated here as the essential and definitive companions to the data.

This document constitutes a supplementary codebook which has been created because the process of creating SPSS and Stata editions of the data has necessarily meant values have been stored in numeric format with variable names which were not present in the original version. Each variable entry also provides the original column letter and heading for reference.

More information about the data are available at the following link:

<http://www.scotlandscensus.gov.uk/microdata-teaching-file>

More information about the census including forms and links to other census data are available on the UK Data Service site at <http://census.ukdataservice.ac.uk>.

## Missing values

Most missing values in the census 2011 have been corrected during the edit and imputation process after data collection. Accordingly the only missing values in the data are 'not applicables'. They have been coded to -9 in the SPSS/Stata edition.

SPSS users will find that these values have already been set to system missing. As missing values are dealt with differently in Stata, Stata users will need to convert these values into missing values in order to automatically exclude them from analyses. This can be achieved in a single command:

```
mvdecode _all, mv (-9 = .a)
```

This will set all values, previously set to -9 as a system missing value of .a with the result that the missing values will be excluded from analysis. The value labels will not, however, automatically reflect this change.

## Sharing and citing

These data were published under an Open Government Licence. They can be used and shared without restriction but should their source should be acknowledged.

## Codebook

Number of Rows in Working Data File = 63388

### agegpt

Label Age Group  
Measurement Ordinal

		Value	Count	Percent
Valid values	1	0 to 15	10980	17.3
	2	16 to 24	7541	11.9
	3	25 to 34	8056	12.7
	4	35 to 44	8963	14.1
	5	45 to 54	9336	14.7
	6	55 to 64	7854	12.4
	7	65 to 74	5731	9.0
	8	75 and over	4927	7.8

Listed as 'age' (Col F) in original .csv file

### aprxsocgr

Label Approximated Social Grade  
Measurement Ordinal

		Value	Count	Percent
Valid values	1	AB	9380	14.8
	2	C1	15607	24.6
	3	C2	11602	18.3
	4	DE	14709	23.2
Missing values	-9	No code required (People aged under 16 and people resident in communal establishments)	12090	19.1

Listed as 'Approximate\_Social\_Grade' (Col Q) in original .csv file

### cofbt

Label Country of Birth  
Measurement Nominal

		Value	Count	Percent
Valid values	1	UK	59045	93.1
	2	Non UK	4343	6.9

Listed as 'Country\_Of\_Birth' (Col I) in original .csv file

**econac1t**

Label Economic Activity

Measurement Nominal

		Value	Count	Percent
Valid values	1	Economically active: Employee	25350	40.0
	2	Economically active: Self-employed	3623	5.7
	3	Economically active: Unemployed	2183	3.4
	4	Economically active: Full-time student	1743	2.7
	5	Economically inactive: Retired	11527	18.2
	6	Economically inactive: Student	2691	4.2
	7	Economically inactive: Looking after home or family	1741	2.7
	8	Economically inactive: Long-term sick or disabled	2543	4.0
	9	Economically inactive: Other	1007	1.6
Missing values	-9	No code required (Aged under 16)	10980	17.3

Listed as 'Economic\_Activity' (Col M) in original .csv file

**eths1t**

Label Ethnic Group

Measurement Nominal

		Value	Count	Percent
Valid values	1	White	60901	96.1
	2	Mixed or multiple ethnic group	199	0.3
	3	Asian	1667	2.6
	4	African	376	0.6
	5	Caribbean or Black	80	0.1
	6	Other ethnic group	165	0.3

Listed as 'Ethnic\_Group' (Col K) in original .csv file

**famcomp**

Label Family Composition

Measurement Nominal

		Value	Count	Percent
Valid values	0	Not in a family	11716	18.5
	1	Married/same-sex civil partnership couple family	33337	52.6
	2	Cohabiting couple family	7660	12.1
	3	Lone parent family (male head)	1019	1.6
	4	Lone parent family (female head)	7757	12.2
	5	Other related family	750	1.2
Missing values	-9	No code required (residents of communal est.)	1149	1.8

Listed as 'Family\_Composition' (Col D) in original .csv file

**health1**

Label Health  
Measurement Ordinal

		Value	Count	Percent
Valid values	1	Very good health	33436	52.7
	2	Good health	18825	29.7
	3	Fair health	7544	11.9
	4	Bad health	2759	4.4
	5	Very bad health	824	1.3

Listed as 'health' (Col J) in original .csv file

**indus1ts**

Label Industry  
Measurement Nominal

		Value	Count	Percent
Valid values	1	Agriculture, forestry and fishing	898	1.4
	2	Mining/quarrying; Manufac; Elec/gas, steam/conditioning; Water supply	6318	10.0
	3	Construction	3876	6.1
	4	Wholesale & retail trade; Repair of motor vehicles and motorcycles	7557	11.9
	5	Accommodation and food service activities	3309	5.2
	6	Transport and storage; Information and communication	3754	5.9
	7	Financial and insurance activities	1979	3.1
	8	Real estate; Professional, sci/technical ; Admin and support service activities	4818	7.6
	9	Public administration and defence	3225	5.1
	10	Education	4123	6.5
	11	Human health and social work activities	6817	10.8
	12	Arts; entertainment and recreation	1107	1.7
	13	Other	1172	1.8
Missing values	-9	No code required (People aged under 16 and people who have never worked)	14435	22.8

Listed as 'industry' (Col O) in original .csv file

**marstat1t**

Label Marital Status  
Measurement Nominal

		Value	Count	Percent
Valid values	1	Single (never married/registered a same-sex civil partnership)	29611	46.7
	2	Married/registered same-sex civil partnership	23918	37.7
	3	Separated but still legally married/same-sex civil partnership	1668	2.6
	4	Divorced or same-sex civil partnership legally dissolved	4159	6.6
	5	Widowed or surviving partner from a same-sex civil partnership	4032	6.4

Listed as 'Marital\_Status' (Col G) in original .csv file

**numhrs**

Label Hours worked per week  
 Measurement Ordinal

		Value	Count	Percent
Valid values	1	Part-time: 15 or less hours worked	2143	3.4
	2	Part-time: 16 to 30 hours worked	6518	10.3
	3	Full-time: 31 to 48 hours worked	18333	28.9
	4	Full-time: 49 or more hours worked	3543	5.6
Missing values	-9	No code required (People aged under 16 and people not working)	32851	51.8

Listed as 'Hours\_Worked\_Per\_Week' (Col P) in original .csv file

**occupat1t**

Label Occupation  
 Measurement Nominal

		Value	Count	Percent
Valid values	1	Managers, Directors and Senior Officials	3550	5.6
	2	Professional Occupations	7237	11.4
	3	Associate Professional and Technical Occupations	5015	7.9
	4	Administrative and Secretarial Occupations	6010	9.5
	5	Skilled Trades Occupations	6140	9.7
	6	Caring, Leisure and Other Service Occupations	4484	7.1
	7	Sales and Customer Service Occupations	4934	7.8
	8	Process, Plant and Machine Operatives	4327	6.8
	9	Elementary Occupations	7256	11.4
Missing values	-9	No code required (People aged under 16 and people who have never worked)	14435	22.8

Listed as 'Occupation' (Col N) in original .csv file

**persid**

Label Person ID  
 Unique ID value for each case  
 Valid 63388  
 Missing 0

**relgs1t**

Label Religion  
Measurement Nominal

		Value	Count	Percent
Valid values	1	No religion	23309	36.8
	2	Christian	34199	54.0
	3	Buddhist	113	0.2
	4	Hindu	187	0.3
	5	Jewish	61	0.1
	6	Muslim	906	1.4
	7	Sikh	116	0.2
	8	Other religion	162	0.3
	9	Not stated	4335	6.8

Listed as 'religion' (Col L) in original .csv file

**restype**

Label Residence Type: private or communal  
Measurement Nominal

		Value	Count	Percent
Valid values	1	C Resident in a communal establishment	1149	1.8
	2	P Not resident in a communal establishment	62239	98.2

Listed as 'RESIDENCE\_TYPE' (Col C) in original .csv file

**sex**

Label Sex  
Measurement Nominal

		Value	Count	Percent
Valid values	1	Male	30692	48.4
	2	Female	32696	51.6

Listed as 'sex' (Col E) in original .csv file

**student**

Label Student  
Measurement Nominal

		Value	Count	Percent
Valid values	1	Yes	11991	18.9
	2	No	51397	81.1

Listed as 'student' (Col H) in original .csv file

## SPSS Syntax

This is the syntax which was used to read the file in from a Comma Separated File.

```
* David Bayliss (david.bayliss@manchester.ac.uk) read in for 2011 microdata
teaching file.
*****.
***** 2011 Census Microdata Teaching File for Scotland *****.
***** SPSS read in file *****.
*****.
* last updated 18/04/16.
* The data are a copy of the census microdata teaching data file for Scotland
produced by National Records of Scotland.
* The data source is
http://www.scotlandscensus.gov.uk/documents/microdata/Scotland_Teaching_
File_1PCT.zip.
* Crown copyright.

*read in data from folder.
GET DATA
  /TYPE=TXT
  /FILE="C:\a UKDS\Census work\Scotland_Teaching_File_1PCT\Scotland_teaching_file_
1PCT.csv"
  /DELCASE=LINE
  /DELIMITERS=","
  /ARRANGEMENT=DELIMITED
  /FIRSTCASE=2
  /IMPORTCASE=ALL
  /VARIABLES=
V1 F3.0
V2 A9
V3 A1
V4 F1.0
V5 F1.0
V6 F1.0
V7 F1.0
V8 F1.0
V9 F1.0
V10 F1.0
V11 F1.0
V12 F1.0
V13 A1
V14 A1
V15 A2
V16 A1
```

```

V17 A1.
CACHE.
EXECUTE.
DATASET NAME DataSet3 WINDOW=FRONT.

*start by turning string variables into numerics.
if v3= 'C'restype=1.
if v3= 'P'restype=2.
execute.

*check that worked.
crosstabs v3 by restype /missing = include.

*drop original string variable V3 and region identifier V2 as all regions equal
Scotland.
DELETE VARIABLES V3 V2.

*tidy up format of restype.
formats restype (f1.0).
execute.

*rename remaining variables.
RENAME VARIABLE
  (V1=persid)
  (V4=famcomp)
  (V5=sex)
  (V6=agegpt)
  (V7=marstat1t)
  (V8=student)
  (V9=cofbt)
  (V10=health1)
  (V11 =eths1t)
  (V12=relgs1t)
  (V13=econac1t)
  (V14=occupat1t)
  (V15=indus1ts)
  (V16=numhrs)
  (V17=aprxsocgr) .

variable level persid (nominal)
  / agegpt health1 numhrs aprxsocgr (ordinal).

*change missing values from X to -9.

```

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```
alter type econact (f1).
alter type occupat1t (f1).
alter type induslts (f2).
alter type numhrs (f1).
alter type aprxsocgr (f1).
RECODE famcomp econact occupat1t induslts numhrs aprxsocgr (SYSMIS=-9).
EXECUTE.
```

```
*label all the variables.
variable labels persid 'Person ID '.
variable labels restype 'Residence Type: private or communal '.
variable labels famcomp 'Family Composition '.
variable labels sex 'Sex '.
variable labels agegpt 'Age Group '.
variable labels marstat1t 'Marital Status '.
variable labels student 'Student '.
variable labels cofbt 'Country of Birth '.
variable labels health1 'Health '.
variable labels eths1t 'Ethnic Group '.
variable labels relgs1t 'Religion '.
variable labels econact 'Economic Activity '.
variable labels occupat1t 'Occupation '.
variable labels induslts 'Industry '.
variable labels numhrs 'Hours worked per week '.
variable labels aprxsocgr 'Approximated Social Grade '.
```

```
*label values.
value labels restype
1 'C Resident in a communal establishment '
2 'P Not resident in a communal establishment '.
```

```
value labels famcomp
0 ' Not in a family '
1 ' Married/same-sex civil partnership couple family '
2 ' Cohabiting couple family '
3 ' Lone parent family (male head) '
4 ' Lone parent family (female head) '
5 ' Other related family '
-9 ' No code required (residents of communal est.) '.
```

```
value labels sex
1 ' Male '
2 ' Female '.
```

value labels agecpt

- 1 ' 0 to 15 '
- 2 ' 16 to 24 '
- 3 ' 25 to 34 '
- 4 ' 35 to 44 '
- 5 ' 45 to 54 '
- 6 ' 55 to 64 '
- 7 ' 65 to 74 '
- 8 ' 75 and over '.

value labels marstat1t

- 1 ' Single (never married/registered a same-sex civil partnership '
- 2 ' Married/registered same-sex civil partnership '
- 3 ' Separated but still legally married/same-sex civil partnership '
- 4 ' Divorced or same-sex civil partnership legally dissolved '
- 5 ' Widowed or surviving partner from a same-sex civil partnership '.

value labels student

- 1 ' Yes '
- 2 ' No '.

value labels cofbt

- 1 ' UK '
- 2 ' Non UK '.

value labels health1

- 1 ' Very good health '
- 2 ' Good health '
- 3 ' Fair health '
- 4 ' Bad health '
- 5 ' Very bad health '.

value labels eths1t

- 1 ' White '
- 2 ' Mixed or multiple ethnic group '
- 3 ' Asian '
- 4 ' African '
- 5 ' Caribbean or Black '
- 6 ' Other ethnic group '.

value labels relgs1t

- 1 ' No religion '

2 ' Christian '  
3 ' Buddhist '  
4 ' Hindu '  
5 ' Jewish '  
6 ' Muslim '  
7 ' Sikh '  
8 ' Other religion '  
9 ' Not stated '.

value labels econact1

1 ' Economically active: Employee '  
2 ' Economically active: Self-employed '  
3 ' Economically active: Unemployed '  
4 ' Economically active: Full-time student '  
5 ' Economically inactive: Retired '  
6 ' Economically inactive: Student '  
7 ' Economically inactive: Looking after home or family '  
8 ' Economically inactive: Long-term sick or disabled '  
9 ' Economically inactive: Other '  
-9 ' No code required (Aged under 16) '.

value labels occupat1

1 ' Managers, Directors and Senior Officials '  
2 ' Professional Occupations '  
3 ' Associate Professional and Technical Occupations '  
4 ' Administrative and Secretarial Occupations '  
5 ' Skilled Trades Occupations '  
6 ' Caring, Leisure and Other Service Occupations '  
7 ' Sales and Customer Service Occupations '  
8 ' Process, Plant and Machine Operatives '  
9 ' Elementary Occupations '  
-9 ' No code required (People aged under 16 and people who have never worked) '.

value labels induslts

1 ' Agriculture, forestry and fishing '  
2 ' Mining/quarrying; Manufac; Elec/gas, steam/conditioning; Water supply '  
3 ' Construction '  
4 ' Wholesale & retail trade; Repair of motor vehicles and motorcycles '  
5 ' Accommodation and food service activities '  
6 ' Transport and storage; Information and communication '  
7 ' Financial and insurance activities '  
8 ' Real estate; Professional, sci/technical ; Admin and support service activities '  
,

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```
9 ' Public administration and defence '  
10 ' Education '  
11 ' Human health and social work activities '  
12 ' Arts; entertainment and recreation '  
13 ' Other '  
-9 ' No code required (People aged under 16 and people who have never worked) '.
```

```
value labels numhrs
```

```
1 ' Part-time: 15 or less hours worked '  
2 ' Part-time: 16 to 30 hours worked '  
3 ' Full-time: 31 to 48 hours worked '  
4 ' Full-time: 49 or more hours worked '  
-9 ' No code required (People aged under 16 and people not working) '.
```

```
value labels aprxsocgr
```

```
1 ' AB '  
2 ' C1 '  
3 ' C2 '  
4 ' DE '  
-9 ' No code required (People aged under 16 and people resident in communal  
establishments) '.
```

```
sort variables by name (a).
```

```
*label missing values.
```

```
missing values famcomp econac1t occupat1t indus1ts numhrs aprxsocgr (-9).
```

```
frequencies famcomp econac1t occupat1t indus1ts numhrs aprxsocgr.
```

```
save outfile "C:\a UKDS\Census work\Scotland_Teaching_File_1PCT\  
Censusmicroteaching11s.sav".
```