SPSS/Stata edition
Census Microdata Teaching File

2011 Census

Northern Ireland

v.1.0
26th April 2016
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Contents

About the data source

This teaching dataset is an SPSS/Stata edition of Microdata Teaching File for Northern Ireland produced by the Northern Ireland Statistics and Research Agency (NISRA), 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 NISRA 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.nisra.gov.uk/census/2011/results/specialist-products/microdata-teaching-file.html

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 = 19862

agegpt

Label		Age Group		
Measurement		Ordinal		
		Value	Count	Percent
Valid values	1	0 to 15	4227	21.3
	2	16 to 24	2519	12.7
	3	25 to 34	2689	13.5
	4	35 to 44	2785	14.0
	5	45 to 54	2708	13.6
	6	55 to 64	2044	10.3
	7	65 to 74	1607	8.1
	8	75 and over	1283	6.5

Listed as 'AGE' (Col G) in original .csv file

cofbt

Label		Country of Birth		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	UK	18581	93.6
	2	Non UK	1281	6.4

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

econac1t

Label		Economic Activity		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	Economically active: Employee	7075	35.6
	2	Economically active: Self-employed	1278	6.4
	3	Economically active: Unemployed	713	3.6
	4	Economically active: Full-time student	469	2.4
	5	Economically inactive: Retired	3027	15.2
	6	Economically inactive: Student	872	4.4
	7	Economically inactive: Looking after home or family	676	3.4
	8	Economically inactive: Long-term sick or disabled	1058	5.3
	9	Economically inactive: Other	467	2.4
Missing values	-9	No code required (Aged under 16)	4227	21.3

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

ethn1t

Label   Ethnic Group
Measurement   Nominal

		Value	Count	Percent
Valid values	1	White	19502	98.2
	2	Other ethnic group	360	1.8

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

famcomp

Label   Family Composition
Measurement   Nominal

		Value	Count	Percent
Valid values	1	Married/same-sex civil partnership couple family	2756	13.9
	2	Cohabiting couple family	11937	60.1
	3	Lone parent family (male head)	1344	6.8
	4	Lone parent family (female head)	476	2.4
	5	Other related family	2867	14.4
	6	Married/same-sex civil partnership couple family	269	1.4
Missing values	-9	No code required (resident of communal est.)	213	1.1

Listed as 'FAMTYPE' (Col D) in original .csv file

health1

Label   Health
Measurement   Ordinal

		Value	Count	Percent
Valid values	1	Very good health	9457	47.6
	2	Good health	6340	31.9
	3	Fair health	2920	14.7
	4	Bad health	937	4.7
	5	Very bad health	208	1.0

Listed as 'HEALTH' (Col K) in original .csv file

indus1t

Label		Industry
Measurement		Nominal

		Value	Count	Percent
Valid values	1	Agriculture, forestry and fishing	310	1.6
	2	Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning system; Water supply	1917	9.7
	3	Construction	1187	6.0
	4	Wholesale and retail trade; Repair of motor vehicles and motorcycles	2507	12.6
	5	Accommodation and food service activities	760	3.8
	6	Transport and storage; Information and communication	865	4.4
	7	Financial and insurance activities; Intermediation	391	2.0
	8	Real estate activities; Professional, scientific and technical activities; Administrative and support service activities	1229	6.2
	9	Public administration and defence; compulsory social security	1080	5.4
	10	Education	1287	6.5
	11	Human health and social work activities	1827	9.2
	12	Other community, social, personal service activities; Priv. hholds employing domestic staff; Extra-territorial orgs	655	3.3
Missing values	-9	No code required (People aged under 16 and people who have never worked)	5847	29.4

Listed as 'INDUSTRY' (Col Q) 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	9924	50.0
	2	Married/registered same-sex civil partnership	7405	37.3
	3	Separated but still legally married/same-sex civil partnership	633	3.2
	4	Divorced or same-sex civil partnership legally dissolved	845	4.3
	5	Widowed or surviving partner from a same-sex civil partnership	1055	5.3

Listed as 'MARSTAT' (Col H) 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	1188	6.0
	2	Part-time: 16 to 30 hours worked	2879	14.5
	3	Full-time: 31 to 48 hours worked	8609	43.3
	4	Full-time: 49 or more hours worked	1339	6.7
Missing values	-9	No code required (People aged under 16 and people not working)	5847	29.4

Listed as 'HOURS' (Col R) in original .csv file

occupat1t

Label		Occupation		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	Managers, Directors and Senior Officials	1012	5.1
	2	Professional Occupations	1955	9.8
	3	Associate Professional and Technical Occupations	987	5.0
	4	Administrative and Secretarial Occupations	1914	9.6
	5	Skilled Trades Occupations	2047	10.3
	6	Caring, Leisure and Other Service Occupations	1265	6.4
	7	Sales and Customer Service Occupations	1503	7.6
	8	Process, Plant and Machine Operatives	1357	6.8
	9	Elementary Occupations	1975	9.9
Missing values	-9	No code required (People aged under 16, people who have never worked)	5847	29.4

Listed as 'OCC' (Col P) in original .csv file

persid

Label	Person ID
Unique ID value for each case	
Valid	19862
Missing	0

popbase1

Label		Population base		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	Usual resident	19862	100.0

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

relgbn1t

Label		Religion belonged to or brought up in		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	Catholic	9030	45.5
	2	Protestant and other Christian (including Christian related)	9563	48.1
	3	Other religions	182	0.9
	4	Catholic	1087	5.5

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

relgn1t

Label		Religion belonged to		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	Roman Catholic	8160	41.1
	2	Presbyterian Church in Ireland	3791	19.1
	3	Church of Ireland	2749	13.8
	4	Methodist Church of Ireland	602	3.0
	5	Other Christian (including Christian related)	1078	5.4
	6	Other religions and philosophies	163	0.8
	7	No religion	2005	10.1
	8	Religion not stated	1314	6.6

Listed as 'RELIGIONNI' (Col M) 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	213	1.1
	2	P Not resident in a communal establishment	19649	98.9

Listed as 'RESIDENCE_TYPE' (Col C) in original .csv file

sex

Label		Sex		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	Male	9777	49.2
	2	Female	10085	50.8

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

student

Label		Student		
Measurement		Nominal		
		Value	Count	Percent
Valid values	1	Yes	4534	22.8
	2	No	15328	77.2

Listed as 'STUDENT' (Col I) 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 Northern Ireland **************.
*********** SPSS read in file***************************************************.
*************************************************************************************.
* last updated 18/04/16.

* The data are a copy of the census microdata teaching data file for Northern
Ireland produced by the Northern Ireland Statistics and Research Agency (NISRA).

* The data source is http://www.nisra.gov.uk/census/2011/results/specialist-
products/microdata -teaching-file.html .

* Crown copyright.


*read in data from folder.
GET DATA
  /TYPE=TXT
  /FILE="C:\a UKDS\Census work\NI Microdata
File\2011_Census_SARs_Teaching_File.csv"
  /DELCASE=LINE
  /DELIMITERS=","
  /ARRANGEMENT=DELIMITED
  /FIRSTCASE=2
  /IMPORTCASE=ALL
  /VARIABLES=
  V1 F7.0
  V2 A9
  V3 A1
  V4 F2.0
  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 F1.0
  V14 F1.0
  V15 F2.0
  V16 F2.0
  V17 F2.0
```

```
   V18 F2.0.
CACHE.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.



*start by turning string variables into numerics.
if V3= 'C'restype=1.
if V3= 'H'restype=2.
execute.


*check that worked.
crosstabs V3 by restype /missing = include.


*drop original string varaible V3 and region identifier V2 as all regions equal
Northern Ireland.
DELETE VARIABLES V3 V2.


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


*rename remaining variables.
RENAME VARIABLE
    (V1=persid)
    (V4=famcomp)
    (V5=popbase1)
    (V6=sex)
    (V7=agegpt)
    (V8=marstat1t)
    (V9=student)
    (V10=cofbt)
    (V11=health1)
    (V12 =ethn1t)
    (V13=relgn1t)
    (V14=relgbn1t)
    (V15=econac1t)
    (V16=occupat1t)
    (V17=indus1t)
    (V18=numhrs).


variable level persid famcomp econac1t occupat1t indus1t (nominal)
    / agegpt health1 numhrs (ordinal).
```

```
*label all the variables.
variable labels persid 'Person ID '.
variable labels restype 'Residence Type: private or communal '.
variable labels famcomp 'Family Composition '.
variable labels popbase1 'Population base '.
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 ethn1t 'Ethnic Group '.
variable labels relgn1t 'Religion belonged to'.
variable labels relgbn1t 'Religion belonged to or brought up in'.
variable labels econac1t 'Economic Activity '.
variable labels occupat1t 'Occupation '.
variable labels indus1t 'Industry '.
variable labels numhrs 'Hours worked per week '.



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

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

value labels popbase1
1 ' Usual resident '.

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

```
value labels agegpt
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 ethn1t
1 ' White '
2 ' Other ethnic group '.


value labels relgn1t
1 ' Roman Catholic '
2 ' Presbyterian Church in Ireland '
3 ' Church of Ireland '
4 ' Methodist Church of Ireland '
5 ' Other Christian (including Christian related) '
6 ' Other religions and philosophies '
```

7 ' No religion '

8 ' Religion not stated '.

value labels relgbn1t

1 ' Catholic '

2 ' Protestant and other Christian (including Christian related) '

3 ' Other religions '

4 ' None '.

value labels econac1t

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 occupat1t

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, people who have never worked) '.

value labels indus1t

1 ' Agriculture, forestry and fishing '

2 ' Mining and quarrying; Manufacturing; Electricity, gas, steam and air
conditioning system; Water supply '

3 ' Construction '

4 ' Wholesale and 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; Intermediation '

8 ' Real estate activities; Professional, scientific and technical activities;
Admin and support service activities '

9 ' Public administration and defence; compulsory social security '

10 ' Education '

11 ' Human health and social work activities '

12 ' Other community, social, personal service activities; Priv. hholds employing domestic staff; Extra-territorial orgs '

-9 ' No code required (Aged under 16, 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) '.

sort variables by name (a).

*label missing values.

missing values econac1t famcomp indus1t numhrs occupat1t (-9).

frequencies econac1t famcomp indus1t numhrs occupat1t.

save outfile "C:\a UKDS\Census work\NI Microdata File\Censusmicroteaching11n.sav".