

I-CEM data for synthesis practice

These data are based on an extract from the 1901 Census of Scotland. It consists of 26 variables for heads of private households resident in the Midlothian county, which contains the City of Edinburgh and surrounding area. There is one head per household (as identified in the enumeration books). The source of these data is the Integrated Census Microdata (I-CeM) project <https://www.essex.ac.uk/history/research/icem/>. The data required extensive editing to make it fit for any analysis. The code to do this is available if anyone wishes to see it. It has not been fully checked and further data problems probably still exist. A codebook for the resulting R data set is given below.

A total of 23 variables are provided for 82,851 heads of households, as defined below. They include two geographic variables, individual characteristics of the heads of household and household variables. Detailed identifiers, like household codes and detailed parish descriptions have been removed.

A description of how the data were created by the I-CeM project are in the guide at https://www.essex.ac.uk/history/research/icem/documents/icem_guide.pdf. Codes for the two of the longer occupational classifications can be found as part of the documentation on the Ice-M site.

no	name	class	% miss	N distinct	notes * means list of codes are given below
1	sex	factor	0	2	labels M, F
2	age	numeric	0	90	Numeric age in years calculated from age in years and months (for <1)
3	mar_stat	factor	0	6	Marital status*
4	disability	factor	0	7	Type of disability (grouped)*
5	occlab1	factor	7.93	23	Historic classification of occupations see I-CeM Guide level 1*
6	occlab2	factor	7.93	75	HISCO level 2 nested within level 1
7	occlab3	factor	7.93	738	HISCO level 3 nested within level 2
8	employ	factor	0	3	Whether employer (E) or worker (W) or blank
9	inactive	factor	7.64	9	Reason for inactivity *
10	ctry_bth	factor	0	78	Codes for country of birth see I-CeM guide Includes UNK for not known
11	hsize	integer	0	26	Household size
12	nservants	integer	0	12	Number of servants
13	nboarders	integer	0	12	Number of boarders
14	nlodgers	integer	0	12	Number of lodgers
15	nvisitors	integer	0	10	Number of visitors
16	nfamgteq15	integer	0	17	Numbers of relatives (including step-children in-laws etc.) aged 15 or over
17	nfamlt15	integer	0	16	Numbers of relatives (including step-children in-laws etc.) aged undetr 15
18	nkn	integer	0	9	Number with relationship not known
19	totrooms	numeric	1.17	46	Number of rooms
20	pperroom	numeric	1.17	269	Persons per room
21	roomsperp	numeric	1.17	269	Rooms per person
22	newcob	factor	0	6	Grouped ctry_bth
23	gp_parish	fator	0	3	Grouped parish

Codes for selected variables

Mar_stat
Single
Married
Married spouse absent
Widowed
Divorced
Not Known

inactive
formerly occ
oth incl scholar
oth not wking
own means
pauper
pension
retired
unemployed
working
Missing

Disability
Blind
Deaf
Deaf & Dumb or Dumb
Idiot or insane
Multiple
None
Physical

Occlab1	
1	OTHER GENERAL AND UNDEFINED WORKERS AND DEALERS
2	PERSONS ENGAGED IN AGRICULTURE
3	PERSONS ENGAGED IN BUILDING, AND WORKS OF CONSTRUCTION
4	PERSONS ENGAGED IN COMMERCIAL OCCUPATIONS
5	PERSONS ENGAGED IN CONVEYANCE OF MEN, GOODS, AND MESSAGES
6	PERSONS ENGAGED IN DOMESTIC OFFICES OR SERVICES
7	PERSONS ENGAGED IN FISHING
8	PERSONS ENGAGED IN GAS WATER AND ELECTRICITY SUPPLY AND SANITARY SERVICE
9	PERSONS ENGAGED IN OR IN CONNECTION WITH THE GENERAL OR LOCAL GOVERNMENT OF THE COUNTRY
10	PERSONS ENGAGED IN PROFESSIONAL OCCUPATIONS AND THEIR SUBORDINATE SERVICES
11	PERSONS ENGAGED IN THE DEFENCE OF THE COUNTRY
12	PERSONS WITHOUT SPECIFIED OCCUPATIONS OR UNOCCUPIED
13	PERSONS WORKING AND DEALING IN BRICK, CEMENT, POTTERY, AND GLASS
14	PERSONS WORKING AND DEALING IN CHEMICALS, OIL, GREASE, SOAP, RESIN, ETC
15	PERSONS WORKING AND DEALING IN DRESS
16	PERSONS WORKING AND DEALING IN FOOD, TOBACCO, DRINK, AND LODGING
17	PERSONS WORKING AND DEALING IN METALS, MACHINE IMPLEMENTS, AND CONVEYANCES
18	PERSONS WORKING AND DEALING IN PAPER, PRINTS, BOOKS, AND STATIONARY
19	PERSONS WORKING AND DEALING IN PRECIOUS METALS, JEWELS, WATCHES, INSTRUMENTS, AND GAMES
20	PERSONS WORKING AND DEALING IN SKINS, LEATHER, HAIR, AND FEATHERS
21	PERSONS WORKING AND DEALING IN TEXTILE FABRICS
22	PERSONS WORKING AND DEALING IN WOOD, FURNITURE FITTINGS, AND DECORATIONS
23	WORKING IN AND ABOUT, AND WORKING AND DEALING IN THE PRODUCTS OF, MINES AND QUARRIES