



# **Terminology & definitions**

### The datasets

SARs = Samples of Anonymised Records

- 1991 & 2001 Censuses
- = cross-sectional data, a snapshot
- LS = Longitudinal Study
  - England & Wales: 1971-2001 Censuses plus other data
  - Scotland (SLS)
  - Northern Ireland (NILS)
  - = longitudinal data, tracks people over time





## **Terminology & definitions**

SARs & LS have rich individual level information with close equivalence to the Census form

Plus information:

- About others in the household
- Some 'space' (area type) & 'place' (named locations)

SARs & LS are 'samples'

- SARs: various files between 1% & 5% of population
- LS: c. 1% sample of England & Wales

High level of detail about individuals. Maintaining confidentiality high on agenda

- SARs: some files academics register to use, some apply
- LS: tight access arrangements

Some SARs files (download), other SARs & LS more 'remote'

### Some data & techniques

Microdata: each individual's ...

• age, sex, economic activity, tenure, health, ethnicity, social class / NS-SEC, educational achievement, marital status, migration, commuting, etc

Data type: largely categorical

Microdata versatility & flexibility:

- · Variables: re-code to application relevant categories
- Crosstabulations (not in standard area outputs)

• Statistical techniques not applicable with aggregate data File formats:

- · SPSS, Stata
- Learn syntax (.sps; .do) for audit trail, recycle variable & modelling code











## **Research examples: SARs**

Geographical detail in SARs rather coarse & about 'origins' relatively poor. Some 'region' information, but limited utility Longer term: Country of birth (origin) & residence (destination)





## **Research examples: LS**

Whilst 'places' of origin and destination are recorded on LS database, only regional geography likely to be undisclosive Interaction between different types of 'space' can be informative:

- People moving between urban-suburban-rural areas
- Tracking people through differently deprived areas

Census area data, SMS & SARs use usual address one year ago to inform on migrant transitions & status LS has this information, but:

- 10 year transitions, people & their circumstances
- 1971-1981; 1981-1991; 1991-2001







#### Resources

Samples of Anonymised Records

- http://www.ccsr.ac.uk/sars/
- User support by SARs team at CCSR

#### **ONS Longitudinal Study for England & Wales**

- http://celsius.census.ac.uk/
- User support by CeLSIUS at LSHTM

#### Scottish Longitudinal Study

- http://www.lscs.ac.uk/
- · User support by Longitudinal Study for Scotland team

#### Northern Ireland Longitudinal Study

- http://www.nisra.gov.uk/nils/default.asp.htm
- User support by NISRA

### **Recommended reading**

Dale A, Fieldhouse E and Holdsworth C (2000) *Analysing Census Microdata*. Arnold: London Hattersley L. and Creeser R (1995). *Longitudinal Study 1971-1991: History, Organisation and Quality of Data*. OPCS Series DS 15, HMSO: London

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Finney N & Simpson L (2008) Internal migration and ethnic groups: evidence for Britain from the 2001 Census. *Population, Space & Place* 14: 63-83

Norman P (2003) What are individual-level microdata and aggregate-level area census data? FAQ 11 Individual versus Aggregate. Online: http://www.chcc.ac.uk/overview/faq11/frame.html

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