# The Location, Dynamics, Owner Occupation and Ethnicity in Scotland (LDOES) project

The LDOES project investigated the dynamics of changing neighbourhood populations in Scotland. The project has substantive links with two other ESRC projects: AQMeN II Urban Segmentation (PI: Susan McVie, Edinburgh) and Dynamics of Ethnic Identity & Inequality (PI: James Nazroo, Manchester). The project identified a lack of available information on ethnic migration dynamics in inter-census years. The Registers of Scotland (RoS) property transactions data was used to address this deficit. The RoS data captures every property transaction in Scotland between 1990 and 2014. Its records contain the geographical location of the property and the postal town of the original buyer. Additional information about buyers and sellers as well as the date, property type and transaction value are also recorded. The ethnicity and religion of both buyers and sellers were imputed using the name-classification software Onomap.

The RoS data has been aggregated into annual buyer inflow tables for future research use. The aggregation is at the level of 2001 Scottish Datazones (each unit covers between 500 – 1000 residents). The tables report the total number of transactions in a datazone for a particular year, and the buyer’s imputed religion or ethnicity based on name-classification. Where there is more than one buyer in a transaction, this information is based on the name of the first buyer in a transaction. Care has been taken to remove non-residential property transactions from the aggregate tables. Outflow data based on seller’s names in the RoS was less reliable due to missing name information and is therefore not included in the data deposit.

If researchers wish to access the unedited table data please contact: Dr Meng Le Zhang (
meng\_le.zhang@sheffield.ac.uk) or Prof. Gwilym Pryce (g.pryce@sheffield.ac.uk).

***RoS ethnicity inflow by year and zone (noise).csv***

This is the aggregate table containing the annual number of transactions in a data zone by the ethnicity of the first listed buyer in a transaction. Additional noise has been added to the cell count (see documentation). The variables are:

datazone Scottish 2001 datazone

year Year

asian Numbers of transactions with an Asian (Indian or Pakistani) buyer

black Numbers of transactions with a black buyer

other Numbers of transactions from another ethnicity

unclassified Numbers of transactions with a buyer with a name that cannot be classified by Onomap

white Numbers of transactions with a white buyer

unmatched Numbers of transactions which could not be matched with a buyer name

***RoS religion inflow by year and zone***

This is the aggregate table containing the annual number of transactions in a data zone by the religion of the first listed buyer in a transaction. Additional noise has been added to the cell count (see documentation). The variables are:

datazone Scottish 2001 datazone

year Year

christian Numbers of transactions with a Christian buyer

hindu Numbers of transactions with a Hindu buyer

muslim Numbers of transactions from a Muslim buyer

unclassified Numbers of transactions with a buyer with a name that cannot be classified by Onomap

other Numbers of transactions with a buyer from another religious group

unmatched Numbers of transactions which could not be matched with a buyer name

***Notes on random noise.doc*** and ***Implementing unbiased Poisson regressions.r***

Documentation about the random noise procedure and how to correct for it in analyses.