

Food access radar: software and datasets needed

The following software is capable of creating food access radar isochrones:

software	what it does
Accession	The DfT software package (through network route analysis in its Network Accessibility calculation function)
ArcMap	The Environmental Systems Research Institute (ESRI) software with the Proterritory extension and a suitable walking time grid
ArcView	ESRI's software with the Network Analyst Extension
ESRI ArcIMS	Internet Mapping Services
ESRI's ArcReader	allowing users to dynamically view graphical GIS data and do not require prior knowledge or skill in the use of GIS.
Internet Mapping Services, including ESRI ArcIMS or Mapinfo Extreme	allowing users to dynamically view graphical GIS data and do not require prior knowledge or skill in the use of GIS.
Mapinfo	with the routing addition.
Mapinfo Extreme	Internet Mapping Services
Mapinfo Proviewer	allowing users to dynamically view graphical GIS data and do not require prior knowledge or skill in the use of GIS.
Statistical Package for Social Scientists (SPSS) software	Used to match food premises postcodes to Ordnance Survey (OS) grid references

Datasets needed to enable accurate measurement of network accessibility used in the development of isochrones:

datasets	notes
CACI Paycheck	provides information on income down to postcode level
Census of Population data	Including: <ul style="list-style-type: none"> - Black and Minority Ethnic (BME) Groups. - Population of working age classed as permanently sick or disabled. - Proportion of households with no cars or vans. - Proportions of households inhabited only by lone pensioners. - Proportions of households inhabited only by lone parents. - Proportion of the working age population without qualifications (this is prone to some misreporting)
Claimant Count Unemployment data	(providing more regular updates on data on unemployment statistics than the Census)
Datasets of the road networks held by Highways Departments in their authority areas	
FLARE	commonly used property database software (This will provide information on the shop type, location and size. Those with Environmental Health functions will also hold information on the food types sold in stores, which can be incorporated into the radar)
Food store datasets	held by Local authorities with Trading Standards and/or Environmental Health functions within the commonly used Flare or alternative property database software (This will provide information on the shop type, location and size. Those with Environmental Health functions will also hold information on the food types sold in stores, which can be incorporated into the radar)
Meridian products	
National Statistics NOMIS	(Official labour market statistics)
Ordnance Survey (OS) Address Point dataset	Useful for checking accuracy of food premises postcodes
OS OSCAR or Meridian products	
PCT and District/Borough Council	for sharing and interpreting local area

boundary lines	information
public transport datasets	From Local Authorities, including frequency of bus and train services and bus stops / train stations (Staffordshire used DfT hourly or better bus services as its benchmark)
Road networks	Held by Highways Departments in their local authority areas