# Finding and accessing data in the UK Data Service

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Webinar, 15.00 - 16.00 GMT 21/11/2019





### The webinar will begin at 15.00

Please note that you now have a menu in the top right corner of your screen.

The red button with a white arrow allows you to expand and contract the webinar menu. Using this menu you can...

- write questions/comments (we don't have an option to ask questions out loud today)
- test and change your audio
- download today's slides



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- Check your volume, and that your speaker/headset is plugged in
- Your invitation also included a phone number, you can call that to listen in
  - UK +44 (0) 330 221 9922
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- We are recording this webinar, so you can always listen to it later through our YouTube channel



#### What we will cover in this session

- Introduction to our Data
- Finding data

Key data

Data by theme

Data Catalogue

Useful resources: HASSET, Data Map

- Understanding the Data Series record
- How to Access Data

Access conditions

Downloading data

Online data access

• Questions (c. 20 mins)



#### What is the UK Data Service?

- A comprehensive resource funded by the ESRC
- The UK Data Service provides a single point of access to a wide range of secondary social science data



Support, training and guidance



#### **UK Data Service Partner Institutions**













The University of Manchester





### Sources of data



- National statistical authorities
- UK government departments
- Intergovernmental organisations
- Research institutes
- Individual researchers















### Who is it for?

- Academic researchers and students
- Government analysts
- Charities and foundations
- Business consultants
- Independent research centres
- Think tanks





### Types of data available from us

#### By type

- Detailed data about persons
  - UK surveys
  - Census microdata
  - Cohort and longitudinal studies
  - Cross-national surveys
  - Business surveys
- Data about places
  - Small areas census data
  - Countries international time series
- Qualitative and mixed method

#### By purpose

- Research
- Teaching

#### By detail

Variables and questions



### Types of data

#### **Survey Microdata**

Major UK surveys

Cross-national

Longitudinal

#### Census

Aggregate data for 1971-2011

Microdata for 1981-2011

#### **International Macrodata**

Multi-nation aggregate databanks and survey

data

#### **Qualitative/Mixed methods**

Range of multimedia qualitative data sources Mix of qualitative and

quantitative data



### **Quantitative Data**

	AgeB2	sgrade	Soc	Soc2	gor	sex	Eth	Reg	gen	tenure	Empstat	qual	marstat	access	Income	Broadsheet
1	35-44	Е	C2DE	DE	North We	Male	White	North	Generati	Rented f	Not work	GCSE/0-L	Married/	Has inte	11500 -	no BROAD
2	35-44	C1	ABC1	C1C2	North We	Male	White	North	Generati	Rented f	Not work	A-Level	Married/	Has inte	25000 PL	no BROAD
3	35-44	C2	C2DE	C1C2	East Mid	Female	White	Midlands	Generati	Owner (b	Working	Vocation	Married/	Has inte	25000 PL	no BROAD
4	65+	D	C2DE	DE	East Mid	Female	White	Midlands	Baby boo	Owned ou	Not work	Vocation	Married/	Has inte	17500 -	no BROAD
5	65+	D	C2DE	DE	East Mid	Male	White	Midlands	Pre war	Owned ou	Not work	Vocation	Divorced	No inter	-1	no BROAD
6	35-44	C2	C2DE	C1C2	East Mid	Male	White	Midlands	Generati	Rented f	Working	GC SE/0-L	Married/	Has inte	-1	no BROAD
7	55-64	C1	ABC1	C1C2	North We	Male	White	North	Baby boo	Owned ou	Working	A-Level	Married/	Has inte	25000 PL	no BROAD
8	45-54	C1	ABC1	C1C2	North We	Female	White	North	Generati	Owner (b	Working	GCSE/0-L	Divorced	No inter	17500 -	no BROAD
9	16-24	D	C2DE	DE	North We	Female	White	North	Generati	Owned ou	Working	A-Level	Single	Has inte	-1	no BROAD
10	55-64	C1	ABC1	C1C2	North We	Female	White	North	Baby boo	Owned ou	Working	Vocation	Divorced	Has inte	25000 PL	no BROAD
11	65+	В	ABC1	AB	West Mid	Female	White	Midlands	Pre war	Owned ou	Not work	No forma	Divorced	No inter	-1	no BROAD
12	55-64	C2	C2DE	C1C2	West Mid	Female	White	Midlands	Baby boo	Owned ou	Not work	Vocation	Married/	Has inte	6500 - 1	no BROAD
13	35-44	C1	ABC1	C1C2	West Mid	Male	White	Midlands	Generati	Owner (b	Working	A-Level	Married/	Has inte	25000 PL	no BROAD
14	65+	C2	C2DE	C1C2	West Mid	Female	White	Midlands	Pre war	Owned ou	Not work	No forma	Divorced	No inter	11500 -	no BROAD
15	55-64	C1	ABC1	C1C2	North We	Female	White	North	Baby boo	Owned ou	Not work	A-Level	Married/	Has inte	-1	no BROAD
16	65+	C1	ABC1	C1C2	Scotland	Male	White	Scotland	Baby boo	Owned ou	Not work	Other	Divorced	Has inte	6500 - 1	no BROAD
17	45-54	C1	ABC1	C1C2	Scotland	Female	White	Scotland	Generati	Owner (b	Working	A-Level	Married/	Has inte	25000 PL	BROADSHE
18	16-24	C1	ABC1	C1C2	Scotland	Female	White	Scotland	Generati	Owner (b	Working	A-Level	Single	Has inte	-1	no BROAD
19	65+	D	C2DE	DE	Scotland	Female	White	Scotland	Baby boo	Owned ou	Not work	No forma	Married/	Has inte	17500 -	no BROAD

SN 8059: Public Attitudes to Animal Research Survey, 2016.



#### Qualitative data

#### Information about interviewee

Date of birth : 1902 Gender : M Marital status : Married

Occupation : Railway worker

Geographic region: Stoke-on-Trent, Staffs

I: Can I have your full name please?

FW: Frank Woolley.

I: And your present address?

FW: 34 Speedwell Street, Longton.

I: And are you married?

FW: Yes.

I: And the year of you marriage?

FW: 1930.

I: The year you were born?

FW: 1902.

I: And where were you born?

FW: Ashfield Road, Longton.

I : Can you remember how many years you lived in Edgefield Road in the house where you were bom?

FW: No. I'm afraid not.

I: Can you remember if you stayed in that house until 1918 or were there any moves in between?

FW: Oh there's moves in between.

I : Can you remember where you moved to from Edgefield Road?

FW: The first address I can remember living in is number 8 Heathcote Street, as I can remember living in. So I must have been a baby when I left Edgefield Road.

I : So you can't have lived there very long at all?

FW: No. And then the next address is Melvin Street.

I: Can you remember how long you were there?

FW: Oh I should be there 'til I'm about nine I should imagine, eight or nine.

I: And then where did you move to?

FW: 57 Speedwell Street. And that's - that's where I stayed 'til I was married.

I: Do you remember why the family made all these moves?

FW: Oh well in them days they used to do, families could go anywhere. There was always houses empty you know.

I: Do you know why this was?

FW: Well - I couldn't say really. 'Cos I can remember in this row here, three or four houses empty at a time.

I: Couldn't people afford them?

FW: Well they could afford a them but they could move anywhere - but the reason why did move into Speedwell Street is when the family was getting bigger, had a three roomed house see.

I : So as the family increased you need a larger house?

FW : Yes

I : Can you remember how many brother and sisters you had?

FW: I had three brothers, seven sisters.

I : So there was eleven children altogether?

FW: Yes.

SN2000: Family Life and Work Experience Before 1918, 1870-1973.



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**Data Catalogue** 

Useful resources: HASSET, Data Map

- Understanding the Data Series record
- How to Access Data

Access conditions

Downloading data

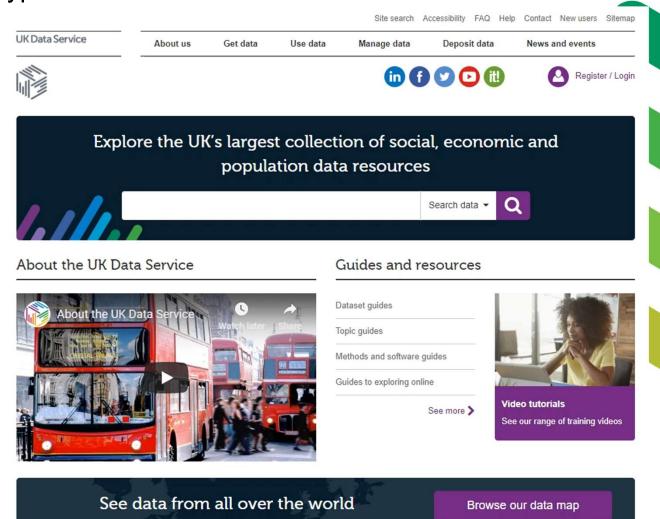
Online data access

Questions (c. 20 mins)



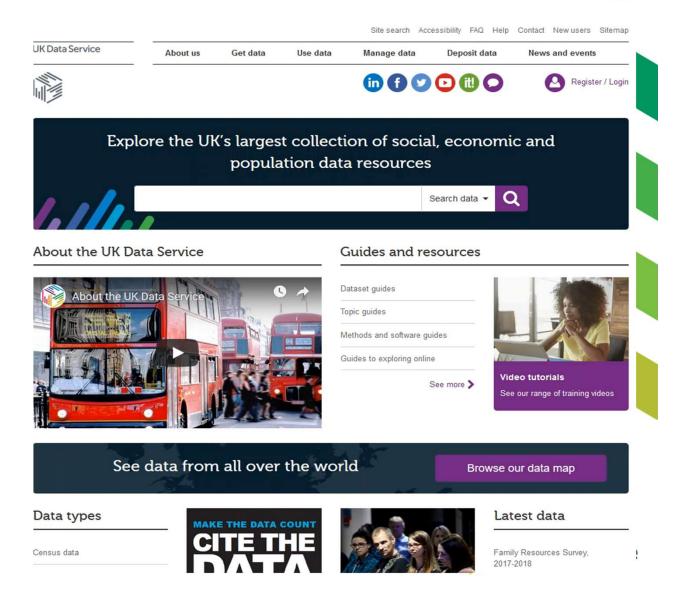
### Finding Data: Key Data

Data are grouped by type



### Finding Data: Theme Pages

Data and resources grouped by topic

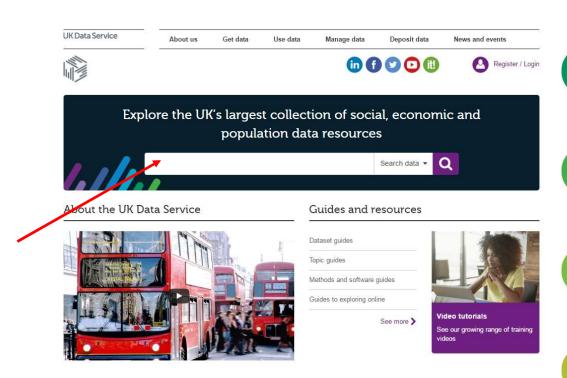


### Finding Data: Data catalogue

Data catalogue allows users to find and browse data, guides, case studies, and publications

Enter a keyword, survey name or study number and search our data or website

Data catalogue search bar is present on a majority of our website pages

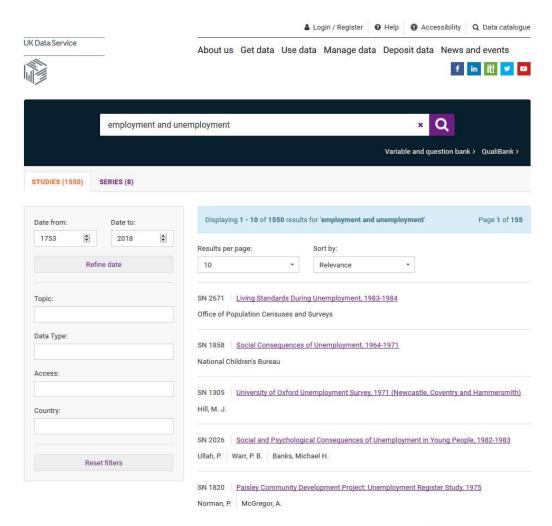




### Data Catalogue: Initial search results

Here I performed a search using the term 'employment and unemployment'

Data catalogue search found 1550 related studies and 8 series in our data collection

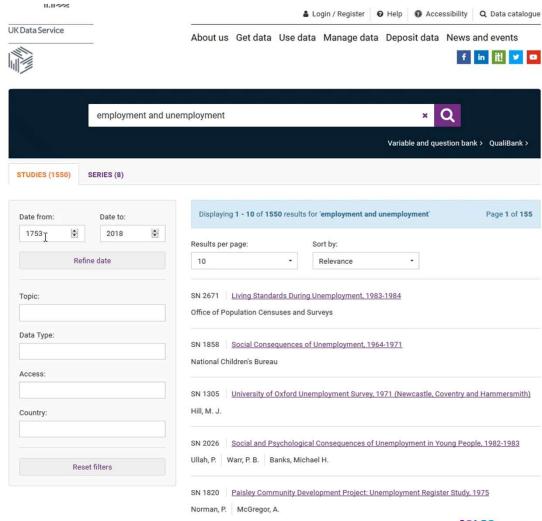




### Data Catalogue: Refining your search results

The **filters** on the left-hand side can be used to find a suitable study

Filters include topic, data type, country, date, and access conditions



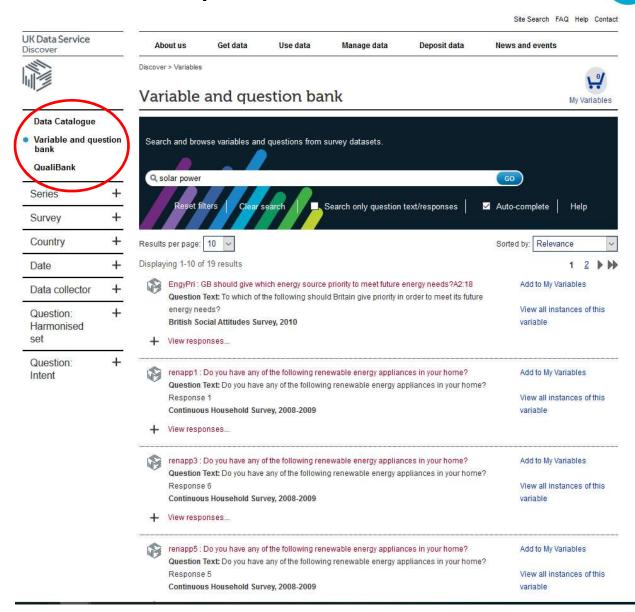


### Finding Data: Variable and question bank

You can browse variables and questions from survey datasets.

I have used the search term 'solar power'.

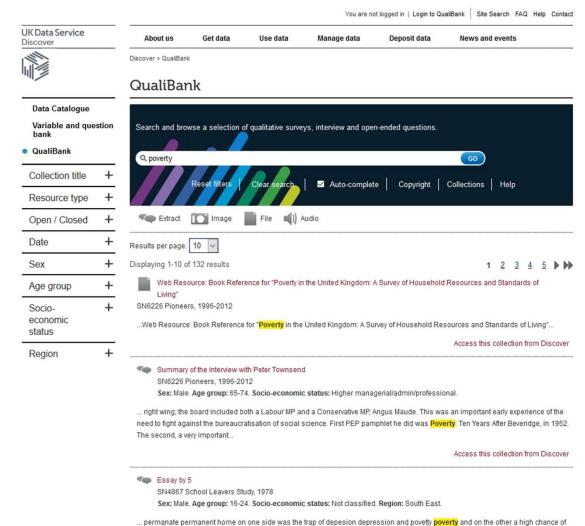
Search returned 19 results that mention the search term in the question or response.



### Finding Data: QualiBank

Allows users to search the qualitative resources archived at the UK Data Service

Filters can be used to find relevant studies



di = 6..4 -4111 6 --- -

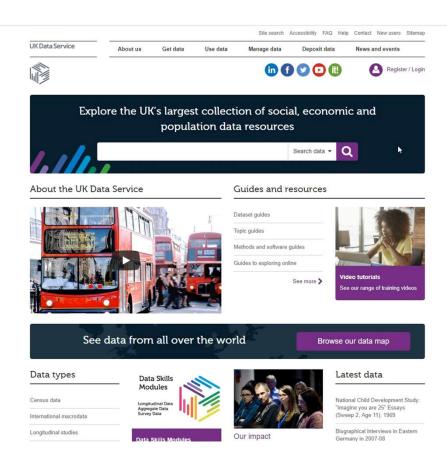
not having a family I chose to stay as I was a hoop and if the opertunity opportunity came to have a job I liked where I could still go out and

### Useful Resources: Data Map

Data Map enables users to find data by exploring a map of the world

Studies a grouped together depending on the level of zoom

Links to Data Catalogue





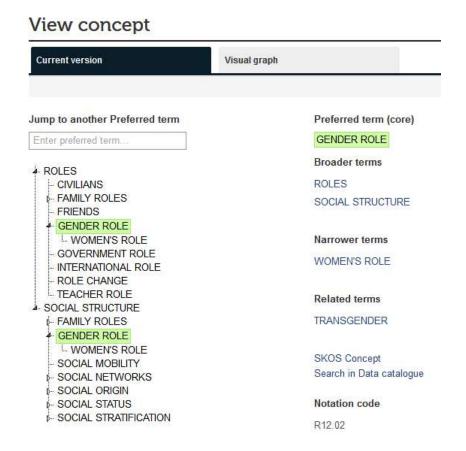
#### Useful resources: Get Data. Thesauri. HASSET

- Each data collection has keyword terms associated with it that come from the Humanities and Social Science Electronic Thesaurus (HASSET)
- Use the 'keywords' section from the Catalogue record to identify terms of interest and use related terms to expand or narrow your search. Here are the keywords for Credit, Class and Community: Working Class Belfast, 1930-2000 (SN 4993)

BELFAST	COMMUNITIES	COMMUNITY	BEHAVIOUR	CONSUM	IERS	CONSUM	IPTION	CREDIT
DEBTS	ECONOMIC HISTORY	LOANS	NORTHERN	IRELAND	PAW	NSHOPS	SOCIA	L CLASS



### HASSET terms – 'gender role'





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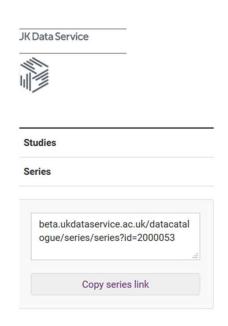
#### Data series record: UKHLS

Each Survey has data organised into series (SN)

Access. Datasets are listed here

FAQs. Answers to common question users have about the series

Resources. links to external sources such as publications relevant to the topic area



About us	Get data	Use data	Manage da	ta Depo	sit data	News an	d events
Home / Dat	ta catalogu	e / <u>Series</u> /	Series				
Unders	tandir	ng Socie	ty				
Abstract	FAQ's	Resources					Access data
Abstract							
The Understa	anding Soci	ety study, or th	ne United Kingdor	n Househo	old Longitu	dinal Study (	UKHLS), which
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	CE THE STATE OF TH		vey, the purpose of household and in			VALUE AND SHOW AND	
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policy interventions, on the general wellbeing of the UK population. The Understanding Society study is a successor to the British Household Panel Survey (BHPS). The BHPS sample forms part of Understanding

Society from Wave 2 onwards.



## Study: UKHLS waves 1-7 and harmonised BHPS waves 1-18

Details. Guidance to UK Data Service understand the data

Documentation.
Codebooks,
questionnaires, user
guides

Resources. Links to external sources such as publications relevant to the topic area

Access. Download or view online the data



		▲ Login / Re	gister @	Help 🔞 A	Accessibility	Q Data catalogue
About us	Get data Use	data Mana	ge data	Deposit da	ata News a	nd events
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Unders	standing Sc	ciety: W	aves 1	-8, 200	9-2017 a	nd
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Download th	nese data by adding	them to your				
Register or l	ogin to add data to y	our account.				
Add to acc	count					



### Details page

- Abstract Provides information about the focus of the survey and other details which will aid researchers
- Changes from the previous deposited versions
- Variables only available in a Secure Access version of these data
- Topics covered in the dataset
- Coverage, Universe, Methodology Spatial units, observation units, cases, methodology
- Citation and copyright provides a full data citation to be included when presenting data



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### Data access policy

Туре	!	Our terminology	Who can access it?
•	Open	Open data	Minimal to no disclosure risk. Can be accessed without registration. Requires data acknowledgement. Check specific terms of use.
a,	Safeguarded	End User Licence Special Licence	No direct identifiers but some disclosure risk through linking of indirect identifiers.  Available to the registered users of the service.  Majority of datasets can be downloaded immediately.  In some cases access must be approved by the data owner.
•	Controlled	Secure Access	Very sensitive data that may contain disclosive information. Access is limited to approved researchers who can demonstrate their trustworthiness around personal data and pass all security checks. Can be accessed via a secure server or in a safe room.
	ReShare	ReShare	Where depositors have self-deposited data, conditions are described in the record and may be non-standard. A small number of studies may not have accessible outputs.



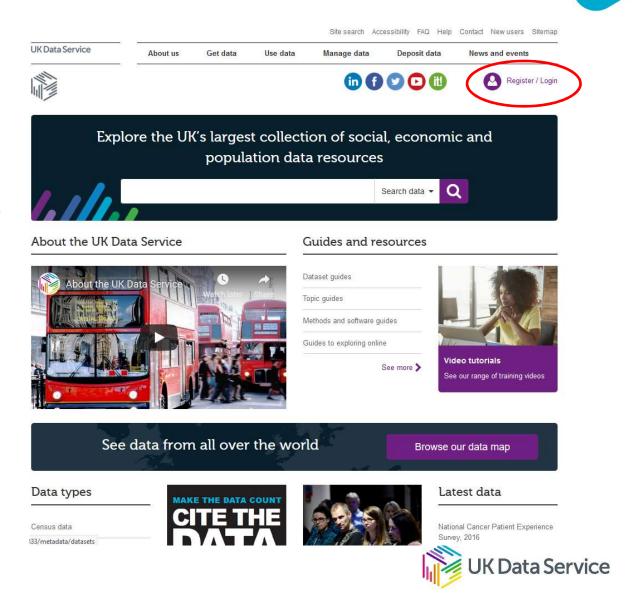
### Common access routes

Icon	Tool	Type of data used for	What it is
Download/Order	Download (or order some special data)	Most studies. Data usually in SPSS, Stata, Tab	Download in zipped format
Access online	Nesstar	Data about persons.	Explore the data online, do simple analyses & subset
<b>2</b>	.Stat	International time series	Pull out extracts and download
₩	InFuse	Census count data	Locate census counts for areas by topic and download
	WICID	Census flows	Locate travel to work, second residence or migration counts



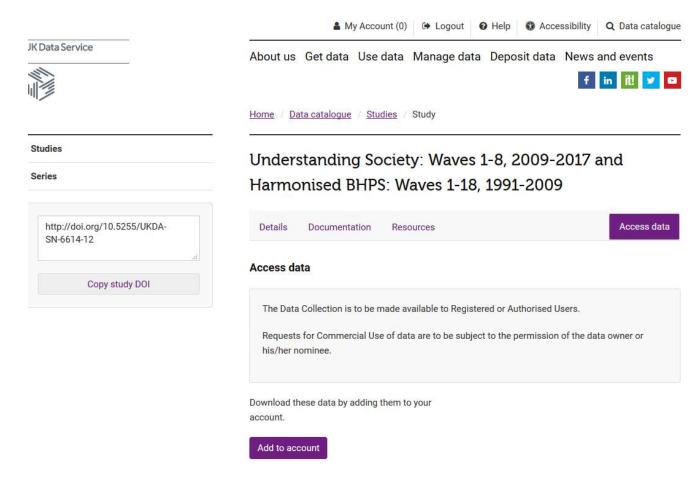
### How to access data: Register

- Projects are an important part of accessing data; they help researchers to organise their work by a particular research question, it enables us to track how the UK Data Service is being used, and allows data owners to monitor how frequently datasets are used.
- Log in by clicking on 'Register / Login'. You will be able to use your university credentials to do so.



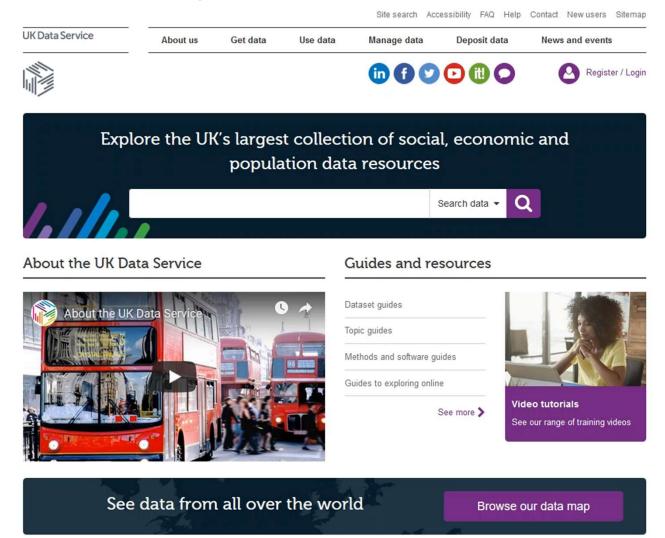
### How to access data: Downloading data

 The 'Access' tab provides information on how data can be accessed. For Open Access data you will be able to download the data from this tab. If the data are End User Licence you will have the option to add them to project.





# How to access data: Setting up a project and downloading data





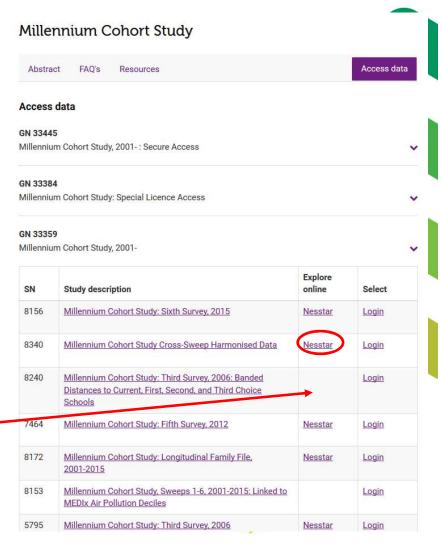
#### How to access data: Online tools - Nesstar

A number of our key studies can be accessed online through our Nesstar service.

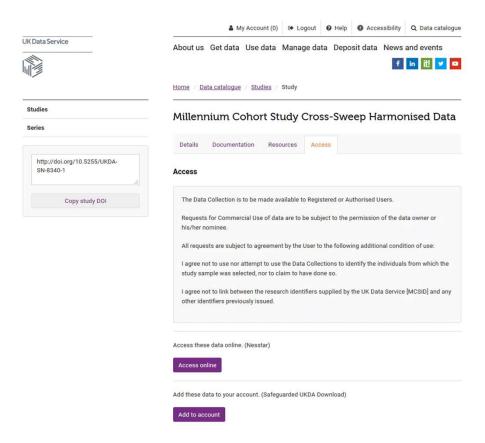
Basic analysis and visualisations can be performed without downloading the data, or using statistical software.

On the "Access" tab - the option to "Access online" OR "Get Data" – "Explore online" and choose Nesstar.





#### How to access data: Nesstar





Page guide ?

#### How to access data: Online tools – UKDS.Stat

- International macrodata can be accessed online using UKDS.Stat.
- These data are provided by a number of organisations such as the World Bank, OECD, and the United Nations.
- UKDS.Stat can be accessed by going to 'Get Data' – 'Explore online'.
- Allows the easy creation of time series data displayed as heatmaps and other visualisations.

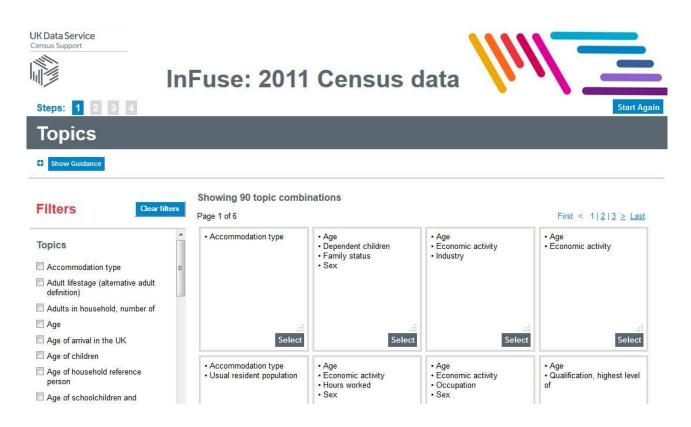
International macrodata - .stat PM2.5 and emissions per capita





#### How to access data: Online Census Tools - InFuse

Census aggregate and flow statistics (http://infuse.ukdataservice.ac.uk/)





#### How to access data: Online Census Tools - WICID

- special type of aggregate data, where there is an origin and destination
- two main types
  - commuting
  - migration

Origin geography: UK Government Office Regions (1999-) Destination geography: UK Government Offi

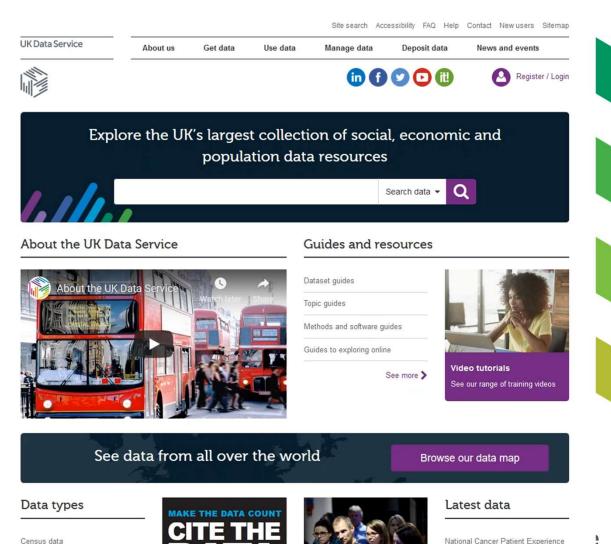
Layer: Total migrants [Table MG101]

					De	stinations	
Origins	North East	North West	Yorkshire and The Humber	East Midlands	West Midlands	East of England	London
North East	222328	5380	8203	3238	2261	2858	4279
North West	5225	585973	17830	9527	10645	6490	11596
Yorkshire and The Humber	7977	14930	460361	15232	6177	6337	9582
East Midlands	2634	8742	14993	353045	12530	11273	9943
West Midlands	2187	10709	7480	14682	421606	6648	10592
East of England	2764	6649	8549	17004	7812	423178	28470
London	3370	9678	8267	11015	9513	53477	641404
South East	3919	11556	11125	18175	14081	25314	51487
South West	2128	6691	5674	6974	10733	8577	15404



### If you need to contact UKDS

- To get assistance go to the Help section on our home page
- Click on "Get in touch" to see the various ways of contacting us



### Questions

Please type your questions in the control panel



### **END WEBINAR**

Contact us: ukdataservice.ac.uk/help/

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