# Education in the long run - which data are available?

**Beate Lichtwardt – UKDS data on education, access and support**
UK Data Archive/ UK Data Service
University of Essex

**Wei Xun – ONS Longitudinal Study, access and research topics**
CeLSIUS
UCL

Webinar, 2nd April 2019

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# Can you hear us?

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If not:

- 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

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# UK Data Service: an introduction to data on education

## Data, access and support

**Beate Lichtwardt**
UK Data Archive, UK Data Service
University of Essex

Webinar, 2nd April 2019

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# Data on education - foreword

Education is a key factor in shaping an individual's life chances. It not only determines later employment chances, but also living and housing conditions, nutrition and health, participation in social life, friends and partner options and, finally, the educational opportunities and achievements of our children.

Education is commonly regarded as the key to remaining competitive in a constantly changing, globalised world, as it is the key to meet the demands of a 'knowledge-based economy'.

The UK Data Service holds a wide and rich range of data collections suitable to shed light on all sorts of education-related research questions, from key longitudinal studies to international microdata, government data and qualitative data collections.

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# Roadmap

## Who

… are we?

## What

… longitudinal data on education are available via the UK Data Service?

## Where

… to find and access data, resources and help?

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# What is the UK Data Service?

- a comprehensive resource funded by the ESRC
- a single point of access to a wide range of secondary social science data
- support, training and guidance (listen to recorded webinars)

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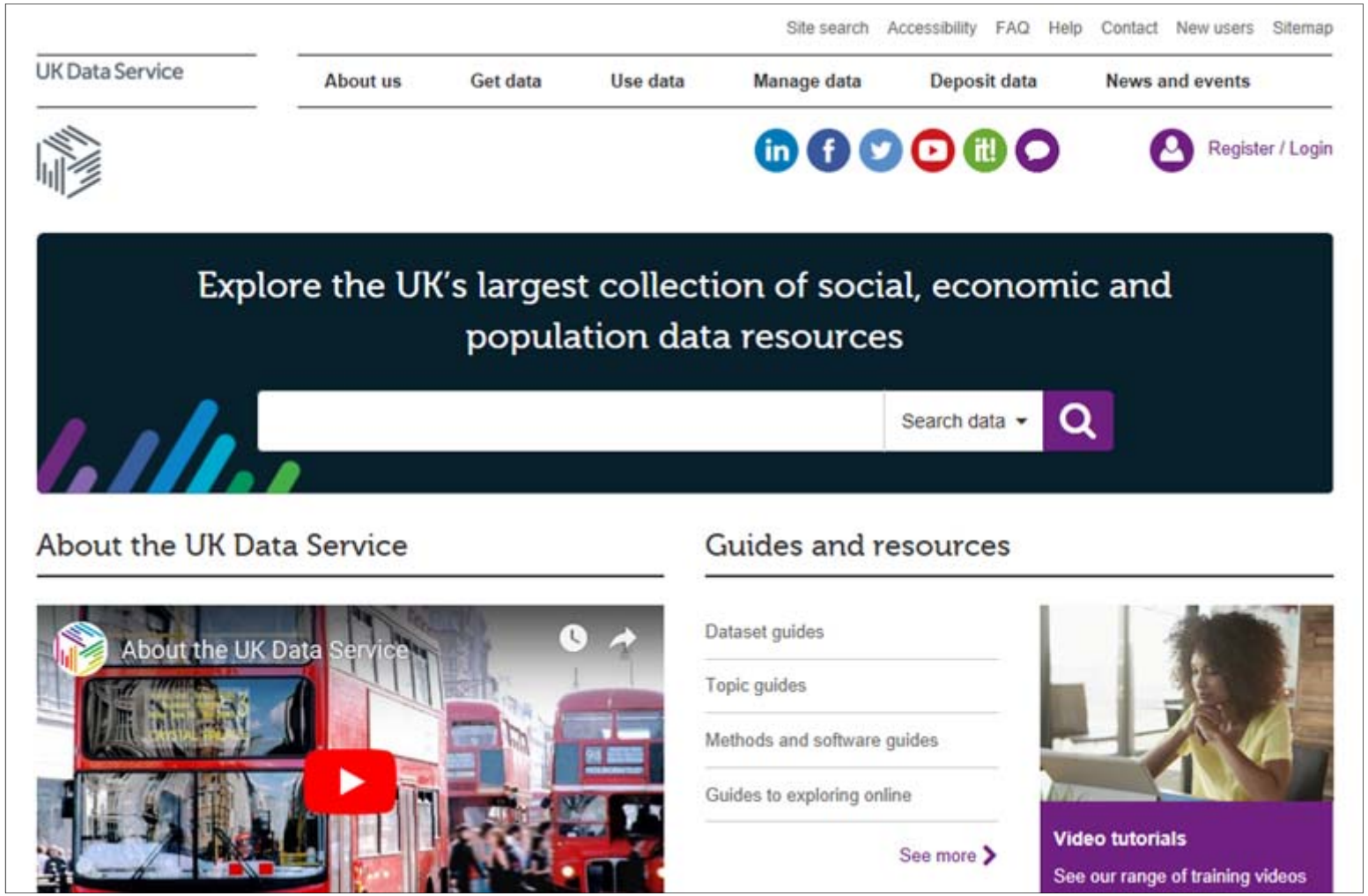


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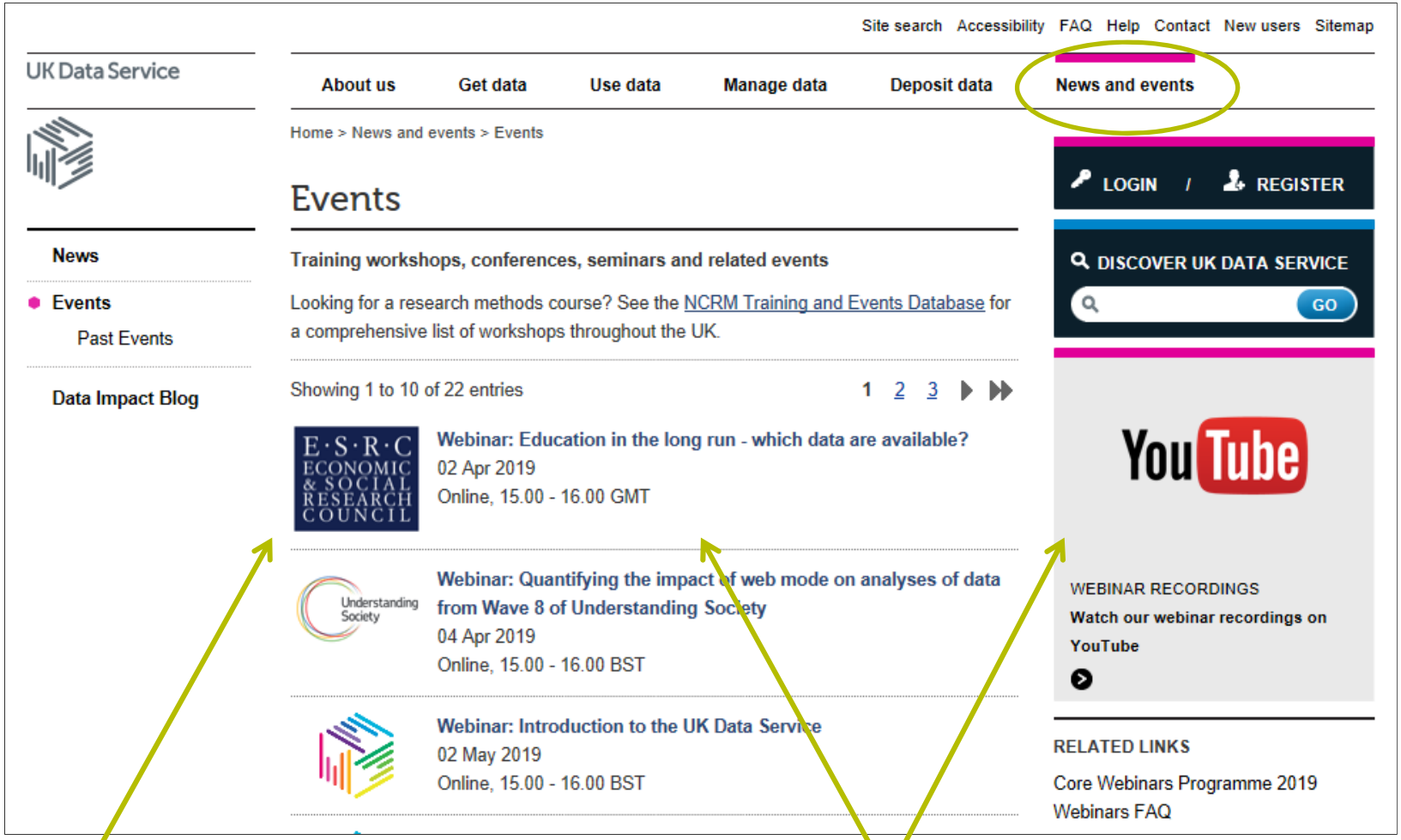
# Location of today's materials




slides of today

webinar recordings

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# Who is it for?

- academic researchers and students
- government analysts
- charities and foundations
- business consultants
- independent research centres
- think tanks

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# Data sources

- official agencies - mainly central government
- international statistical time series
- individual academics - research grants
- market research agencies
- public records/historical sources
- access to international data via links with other data archives worldwide

# Types of data collections

- **survey microdata**
  - cross-sectional
  - panel/ longitudinal
  - international microdata
- **aggregate statistics**
  - international macrodata
- **Census data**
  - aggregate data for 1971-2011
  - microdata for 1991, 2001 and 2011
- **qualitative/ mixed methods data**
  - in-depth interview transcripts, diaries, anthropological field notes, answers to open-ended survey questions, audio-visual recordings and images

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# Key data

**UK Surveys**

large-scale government funded surveys

**Longitudinal**

major UK surveys following individuals over time

**International**

multi-nation aggregate databanks and survey data

**Qualitative**

range of multimedia qualitative and mixed methods data

**Census**

Census data 1971 – 2011

**Business**

microdata

**Administrative**

records for admin. data, for which ADRN has negotiated researcher access

**Controlled International Microdata**

IAB
CASD
(CBS)

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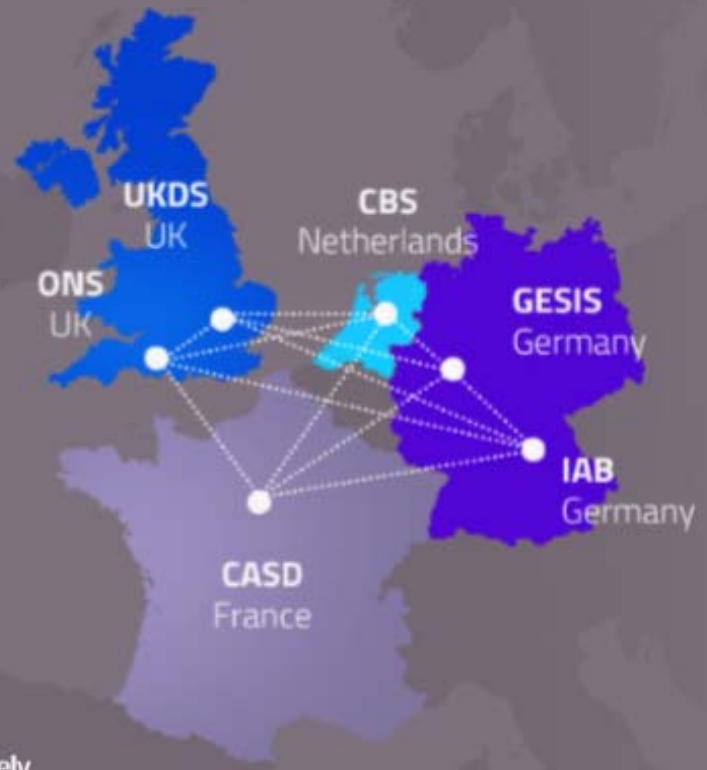
# IDAN
## International Data Access Network

The IDAN project is a collaboration between **6 RESEARCH DATA CENTRES** (RDCs) from France, Germany, The Netherlands and the United Kingdom to facilitate research use of controlled access data between these RDCs/ countries via reciprocal provision of Safe Room Remote Desktop Access.




The Network will enable researchers to work remotely on controlled access data provided by partner countries

CASD Office for National Statistics gesis IAB UK Data Service

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# International controlled microdata - CASD

- In cooperation with the French Secure Access Data Centre (CASD - Data of the Centre d'Accès Sécurisé aux Données), the UK Data Service has set up a secure data access point within the UK Data Service Safe Room at the University of Essex to facilitate on-site direct remote access to the CASD data from UK.

- Data: https://www.casd.eu/en/available-data-on-casd/

- To apply for data access, contact: service@casd.eu

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# CASD data (269)

Themes:

- Agriculture
- Births – Fertility
- Business demography
- Characteristics of enterprises
- Construction
- Couples, Families, Households
- Deaths, Mortality, Life expectancy
- Economic outlook
- Education, training, skills
- Employment, labour force
- Environment
- Foreigners, Immigrants
- Globalisation, competitiveness and innovation
- Health, handicap, dependency
- Household consumption and ownership rates
- Housing
- Income, Living standards, purchasing power
- Population, change and structure
- Public finance
- Safety, justice
- Social protection, pensions
- Society, social life, elections
- Transportation
- Unemployment
- Wages and salaries

Producer list includes:

- Insee (NSI)
- Ministry of Labour (DARES)
- Ministry of Environment (SDES)
- Central Agency for Social Security (ACOSS)
- Institute for Research and Information in Health Economics (IRDES)
- Ministry of Finance (DGFiP)
- Ministry of Justice (SDSE)
- Public Investment Bank (BPIFrance)
- National housing information agency
- Hospital stays (PMSI)
- Directorate General for Enterprise (DGE)

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# International controlled microdata - IAB

- Provision of Safe Room Remote Desktop Access

- UK Data Service – IAB (Institute for Employment Research), Germany

- Datasets available via UK Data Service Safe Room: IAB RDC on-site use files, https://fdz.iab.de/en/FDZ_Overview_of_Data.aspx

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# IAB/FDZ data

Central FDZ data products

The following data products are updated regularly:

| Establishment Data | Individual and Household Data | Integrated Establishment and Individual Data |
|---|---|---|
| Establishment History Panel (BHP) | Sample of Integrated Labour Market Biographies (SIAB) | Linked Employer-Employee Data of the IAB (LIAB) |
| IAB Establishment Panel | Panel Study Labour Market and Social Security (PASS) | |
| German Job Vacancy Survey of the IAB | IAB-SOEP Migration Sample (IAB-SOEP-MIG) | |

**Establishment Data**

- German Management and Organizational Practices (GMOP) Survey

**Individual and Household Data**

- Working and Learning in a Changing World (ALWA), ALWA Literacy und Numeracy Data (ALWA-LiNu) and ALWA survey data linked to administrative data of the IAB (ALWA-ADIAB)
- Employee survey 'Bonus payments, wages increases, and fairness' (BLoG)
- Biographical Data of Social Insurance Agencies in Germany (BASiD)
- IAB-BAMF-SOEP Survey of Refugees
- IZA/IAB Administrative Evaluation Dataset (AED) and IZA/IAB Linked Evaluation Dataset 1993-2010 (LED)
- lidA – Survey Data. German cohort study on work, age and health
- National Educational Panel Study (NEPS), Starting Cohort 6 (SC6) survey data linked to administrative data of the IAB (NEPS-SC6-ADIAB)
- S-MGA - The Study on Mental Health at Work

**Integrated Establishment and Individual Data**

- Linked Personnel Panel (LPP) and LPP survey data linked to administrative data of the IAB (LPP-ADIAB)
- Panel "WeLL" - Employee Survey for the Project "Further Training as a Part of Lifelong Learning" and WeLL survey data linked to administrative data of the IAB (WeLL-ADIAB)

https://fdz.iab.de/en/FDZ_Overview_of_Data.aspx

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# UK surveys - examples

- Labour Force Survey, 1973-
- Skills and Employment Surveys Series Dataset, 1986, 1992, 1997, 2001, 2006 and 2012, Follow-up Survey 2014
- British Social Attitudes Survey, 1983-
- General Lifestyle Survey (previously known as General Household Survey), 1971-2012
- Integrated Household Survey, 2009-

# International data - examples

- Africa Development Indicators
- World Bank
  World Development Indicators
- OECD
  Education Statistics

*"The primary school completion rate for eight Sub-Saharan countries (Benin, Burkina Faso, Chad, Guinea, Madagascar, Malawi, Mozambique and Niger) more than doubled between 1990 and 2009."*

Table X.5
**Typical graduation ages in tertiary education**

| OECD COUNTRIES | Tertiary-type B (ISCED 5B) | All programmes | Tertiary-type A (ISCED 5A) | | | Advanced research programmes (ISCED 6) |
|---|---|---|---|---|---|---|
| | | | 3 to less than 5 years | 5 to 6 years | More than 6 years | |
| Australia | m | a | 20-21 | 22-23 | 24 | 25-29 |
| Austria | m | a | 22 | 23 | a | 25 |
| Belgium | m | a | m | m | m | 25-29 |
| Czech Republic | 22 | a | 22 | 24 | a | 26 |
| Denmark | 21-25 | a | 22-24 | 25-26 | 27-30 | 30 |
| Finland | 21-22 | a | 25-29 | 25-29 | 30-34 | 29 |
| France | 20-21 | a | 21-22 | 23-24 | 25 | 25-26 |
| Germany | 21 | a | 25 | 26 | a | 28 |
| Greece | 20-21 | a | 21-22 | 22-24 | a | 24-28 |
| Hungary | 20-22 | a | 22-24 | 23-26 | 26-27 | 30-34 |
| Iceland | 22-24 | a | 23 | 25 | 27 | 29 |
| Ireland | 20 | a | 21 | 23 | 24 | 27 |
| Italy | 22-23 | a | 22 | 23-25 | 25-27 | 27-29 |
| Japan | 20 | a | 22 | 24 | a | 27 |
| Korea | m | a | m | m | m | 26 |
| Mexico | 20 | 20-26 | 22 | 24 | 25 | 26 |
| Netherlands | m | a | m | m | m | 25 |
| New Zealand | 20 | 21 | m | m | m | 28 |
| Norway | m | a | m | m | m | 29 |
| Poland | m | 24 | m | m | m | m |
| Slovak Republic | 20-21 | a | m | m | m | 27 |
| Spain | 19 | 20-22 | m | m | m | 25-27 |
| Sweden | 22-23 | a | 23-25 | 25-26 | a | 27-29 |
| Switzerland | 23-29 | a | 23-26 | 23-26 | 28 | 29 |
| Turkey | m | m | m | m | m | 28-29 |
| United Kingdom | 20 | a | 21 | 23 | 24 | 24 |
| United States | 20 | 22 | 22 | [illegible] | [illegible] | 27 |

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# Qualitative/mixed methods data - examples

- International Students' Intercultural Experiences: a Comparative Study, 2006-2008
- Discourse of the School Dinners Debate, 2004-2008
- School Leavers Study, 1978

Ray Pahl, SN 4867

> Teachers at a comprehensive school on the Isle of Sheppey were asked to set a particular essay to those pupils who were students in English lessons about ten days before they were due to leave school. The students were asked to imagine that they were nearing the end of their life, and that something had made them think back to the time when they left school. They were then asked to write an imaginary account of their life over the next 30 or 40 years.

The resulting data: 142 handwritten essays in 1978 by school leavers aged 15 and 16 years old.

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# Qualitative data - examples

**Example – How can the data be used?**

**Living and Working on Sheppey, Dawn Lyon and Graham Crow**

- digitised the original 1978 handwritten data
- repeated the same 1978 exercise in 2009/2010 and collected 110 essays
- coded and compared the data across time

Together, these two sets of essays shed light on the aspirations of Sheppey's young people (and young people more generally) and cover a range of topics including health, education, career, family and leisure.

**Example analysis of the career aspirations of Sheppey's young people**

*1978: Mundane & grounded jobs. Gradual career progression. Periods of unemployment*

"It was hard finding a job, I failed a few chances, but eventually got what I wanted locally, a craft apprenticeship" (Essay number 27, male)

*2010 essays: Well-paid, instantaneous jobs. Choice but uncertainty. Influence of celebrity culture*

"In my future I want to become either: a dance teacher, hairdresser, or a Professional Show Jumper/horse rider. If I do become a dancer my dream would be to dance for Beyoncé or someone really famous" (Essay number 61, female)

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# Longitudinal data

- longitudinal surveys involve repeated surveys of the same individuals at different points in time
- large samples, nationally-representative
- new respondents are added regularly to keep numbers up
- allow researchers to analyse change at an individual level
- more complex to manage and analyse

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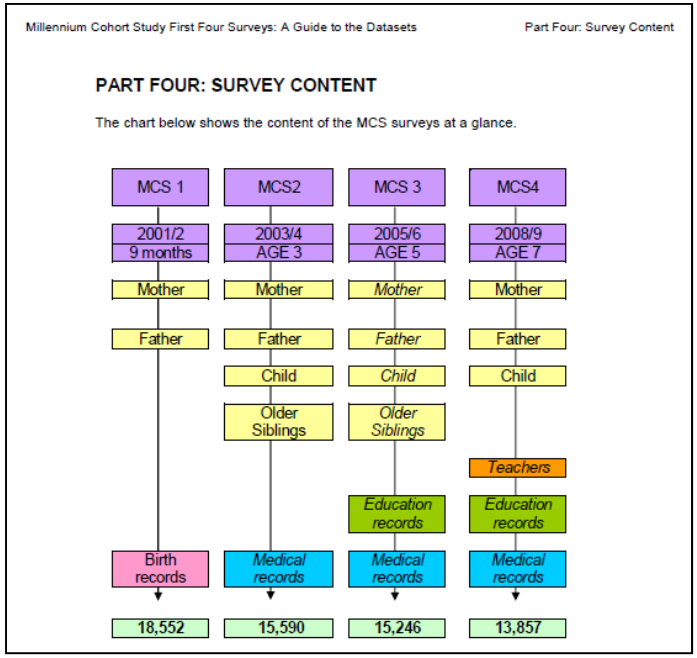
## Education: Background and Attainments

| Name | Label | Record | Waves 1 - 18 |
|---|---|---|---|
| wCASMIN | CASMIN levels | wINDRESP | A B C D E F G H I J K L M N O P Q R |
| wFEEND | Further education leaving age | wINDRESP | A B C D E F G H I J K L M N O P Q R |
| wFENOW | Still in further education | wINDRESP | A B C D E F G H I J K L M N O P Q R |
| wFETYPE | Type of further education attended | wINDRESP | A B C D E F G H I J K L M N O P Q R |
| wISCED | ISCED levels | wINDRESP | A B C D E F G H I J K L M N O P Q R |
| wLEDENDM | Month resp. 1st left f/t education | wINDRESP | - B - - - - - - - - K L - - - - - - |
| wLEDENDY | Year resp. 1st left f/t education | wINDRESP | - B - - - - - - - - - - - - - - - - |
| wLEDENY4 | Year resp. 1st left f/t education | wINDRESP | - B - - - - - - - - K L - - - - - - |
| wLNGENG | Mother tongue | wINDRESP | - - - - - - - - - J - - - - - - - - |
| wLNGOTH | Other language | wINDRESP | - - - - - - - - - J - - - - - - - - |

(www.iser.essex.ac.uk/**bhps**/documentation/volb/indexes/subjcat2.html#Education:%20Background%20and%20Attainments)




Hansen, Kirstine et al. (2012): Millennium Cohort Study. First, Second, Third and Fourth Surveys. A Guide to the Datasets.

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# Longitudinal data – some examples

- 1958 National Child Development Study (NCDS)
- 1970 British Cohort Study (BCS70)
- Millennium Cohort Study (MCS)
- British Household Panel Survey (BHPS)
- Understanding Society/
  UK Household Longitudinal Study (UKHLS)
- Families and Children Study (FACS)
- English Longitudinal Study of Ageing (ELSA)
- Next Steps (LSYPE 1) (Longitudinal Study of Young people in England - LSYPE) (1989-90)
- Our Future (LSYPE 2)
- Growing Up in Scotland (GUS)
- CLOSER (Cohort and Longitudinal Studies Enhancement Resources)

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CENTRE FOR LONGITUDINAL STUDIES

UCL

Our studies | Our research | Publications and resources | Data access and training

Home

# Our studies

The Centre for Longitudinal Studies is home to four national longitudinal cohort studies, which follow tens of thousands of people from birth and across the whole of their lives.

Each of our four studies follows large, nationally representative groups of people born in a given year. Our oldest study charts the lives of a group of Baby Boomers born in the late 1950s, while our youngest keeps up with a group born at the turn of the new century.

### 1958 National Child Development Study

Following the lives of 17,000 people born in a single week in 1958 in Great Britain.

### 1970 British Cohort Study

Following the lives of 17,000 people born in a single week in 1970 in Great Britain.

### Next Steps

Following the lives of 16,000 people in England born in 1989-90.

### Millennium Cohort Study

The most recent of Britain's cohort studies, following 19,000 young people born in the UK at the start of the new century.

soundcloud.com/clscohorts

cls.ucl.ac.uk/cls-studies/

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# British Birth Cohort Studies (CLS)

Focus on impact of childhood conditions on education, later life health and economic circumstances and understanding children and families in the UK

## NCDS sweeps

Since the initial birth sweep, NCDS cohort members have been followed up ten times. The next sweep will take place in 2020 – 2021 when the cohort members will be in their early sixties. Click on a sweep below to learn more about the information collected.

| Year | 1958 | 1965 | 1969 | 1974 | 1981 | 1991 | 2000 | 2002 | 2004 | 2008 | 2013 | 2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Age | Birth | 7 | 11 | 16 | 23 | 33 | 42 | 44 | 46 | 50 | 55 | 62 |

## BCS70 sweeps

Since the birth survey in 1970 there have been nine 'sweeps' of all cohort members. The most recent sweep was at age 46. We finished surveying cohort members for this in summer 2018 and the data we have collected will be available from spring 2019 . The next sweep will take place in 2020 when cohort members are age 50. Click on a sweep below to learn more about the information collected.

| Year | 1970 | 1975 | 1980 | 1986 | 1996 | 2000 | 2004 | 2008 | 2012 | 2016 | 2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Age | Birth | 5 | 10 | 16 | 26 | 30 | 34 | 38 | 42 | 46 | 50 |

## MCS sweeps

We have completed six MCS sweeps to date. The most recent sweep was when cohort members were 14 years old. We are currently surveying them again, at age 17. Click on a sweep below to learn more about the information collected.

| Year | 2001 | 2004 | 2006 | 2008 | 2012 | 2015 | 2018 |
|---|---|---|---|---|---|---|---|
| Age | 9 months | 3 | 5 | 7 | 11 | 14 | 17 |

## Next Steps sweeps

The first seven sweeps of Next Steps were managed by the Department for Education.

The most recent sweep was managed by CLS. Click on a sweep below to learn more about the information collected.

| Year | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2015 |
|---|---|---|---|---|---|---|---|---|
| Age | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 |

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# MCS – Linked Education Administrative Datasets (KS1, KS2)

GN 33445 | **Millennium Cohort Study, 2001- : Secure Access**

| SN | Study description | Access online | Select |
|---|---|---|---|
| 8302 | Millennium Cohort Study: NHS Patient Episode Database for Wales, Linked Administrative Datasets: ICD-10 Codes in Continuous Spells, 2001-2012: Secure Access | | Login |
| 8232 | Millennium Cohort Study: Geographical Identifiers, Sixth Survey, 2011 Census Boundaries: Secure Access | | Login |
| 8231 | Millennium Cohort Study: Geographical Identifiers, Sixth Survey, 2001 Census Boundaries: Secure Access | | |
| 8227 | Millennium Cohort Study: Ofsted and Teacher Survey Linked Data, 2008: Secure Access | | |
| 8226 | Millennium Cohort Study: Ofsted Linked Data, 2006-2012: Secure Access | | |
| 7761 | Millennium Cohort Study: Geographical Identifiers, Fourth Survey: Secure Access | | |
| 7760 | Millennium Cohort Study: Geographical Identifiers, Third Survey: Secure Access | | Login |
| 7762 | Millennium Cohort Study: Geographical Identifiers, Fifth Survey, 2001 Census Boundaries: Secure Access | | Login |
| 7763 | Millennium Cohort Study: Geographical Identifiers, Fifth Survey, 2011 Census Boundaries: Secure Access | | Login |
| 7759 | Millennium Cohort Study: Geographical Identifiers, Second Survey: Secure Access | | Login |
| 7758 | Millennium Cohort Study: Geographical Identifiers, First Survey: Secure Access | | Login |

| | | | |
|---|---|---|---|
| 6862 | Millennium Cohort Study: Linked Education Administrative Dataset (KS1), England: Secure Access | | Login |
| 7712 | Millennium Cohort Study: Linked Education Administrative Dataset (KS2), England: Secure Access | | Login |
| 7415 | Millennium Cohort Study: Linked Education Administrative Dataset (KS1), Wales: Secure Access | | Login |
| 7414 | Millennium Cohort Study: Linked Education Administrative Dataset (KS1), Scotland: Secure Access | | Login |

beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000031#!/access

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# The UK Household Longitudinal Study

Understanding Society
THE UK HOUSEHOLD LONGITUDINAL STUDY

- started in 2009: UKHLS or ‘Understanding Society’ ; First data: 2010

- study of the socio-economic circumstances and attitudes of 100,000 individuals in 40,000 British households

- UKLHS replaces and incorporates the BHPS (1991-2009 , 5500 hh’s), retaining the latter's longevity whilst adding
  - to the sample size
  - to the scope of the study (new components: innovation panel, greater detail on ethnic minority groups, qualitative and biomedical data collections)

- coverage includes:

  current employment and earnings; employment status; parenting and childcare arrangements; family networks; benefit payments; political party identification; household finances; environmental behaviours; consents to administrative data linkage (health and education)

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# UKHLS - data linkage

Data linkage - the process of linking together two or more streams of data - opens up new research opportunities. In the case of Understanding Society, it allows researchers to make use of additional information that the survey does not collect in the annual interviews.

3 types of data linkage:

- geographical identifiers
  (range from individual countries within the UK to Local Authority Districts, Super Output Areas down to grid references)
- administrative data linkage
  (datasets, which will be linked to Understanding Society, cover areas of: education, health, economic circumstances, transport)
- organisations
  (identifiers of the schools that children attend or recently attended)

# Understanding Society and Harmonised BHPS

SN 6614
Understanding Society: Waves 1-8, 2009-2017 and Harmonised BHPS: Waves 1-18, 1991-2009

Understanding Society data containing:

- the latest wave,
- updated files from previous waves,
- all 18 waves of BHPS repurposed to be used alongside Understanding Society data

GN 33429 **Understanding Society: Waves 1- , 2008-: Secure Access**

| SN | Study description | Access online | Select |
|---|---|---|---|
| 6676 | Understanding Society: Waves 1-8, 2009-2017 and Harmonised BHPS: Waves 1-18, 1991-2009: Secure Access | | Login |
| 7332 | Understanding Society: Innovation Panel, Waves 1-10, 2008-2017: Secure Access, National Grid Reference (Easting, Northing, OSGRDIND) | | Login |
| 7642 | Understanding Society: Wave 1, 2009-2011: Linked National Pupil Database: Secure Access | | Login |

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# Data Linkage phases

| Dataset and owner | Informed consent collection | Status |
|---|---|---|
| **Education** | | |
| National Pupil Database, England, Department for Education (England)<br>See this dataset | Wave 1, Wave 4, Wave 5 (rising 16s), Wave 6 (rising 16s), Wave 7 (rising 16s) and Wave 9 (rising 16s) | Linkage complete for wave 1 consents, wave 4 in progress |
| National Pupil Database, Wales,Department for Education and Skills (Wales) | Wave 1, Wave 4, Wave 5 (rising 16s), Wave 6 (rising 16s), Wave 7 (rising 16s) and Wave 9 (rising 16s) | Linkage application in progress |
| Department of Education and Education and Skills Authority Northern Ireland | Wave 1, Wave 4, Wave 5 (rising 16s), Wave 6 (rising 16s), Wave 7 (rising 16s) and Wave 9 (rising 16s) | |
| Education and Lifelong Learning Department and Education Authorities Scotland | Wave 1,Wave 4, Wave 5 (rising 16s), Wave 6 (rising 16s), Wave 7 (rising 16s) and Wave 9 (rising 16s) | Linkage, application approved. |
| HESA database, Higher Education Statistics Agency | Wave 5,2015 | |
| Individual, Learner Records,Skills Funding Agency/BIS | Wave 7 (rising 16s) and Wave 9 (rising 16s) | |
| Early Years Census,Department for Education (England) | Wave 7 | |
| **Health** | | |
| Hospital, Episode Statistics, National Health Service and related agencies | Wave 1, Wave 5 (rising 16s) and Wave 6 (rising 16s) | |
| NHS Central Register, National Health Service and related agencies | Wave1, Wave 5 (rising 16s) and Wave 6 (rising 16s) | |
| **Work/Pensions** | | |
| Participation in government schemes, Department for Work and Pensions | Wave 4 and Wave 7 | |
| HMRC data: employment and self-employment history, National Insurance contributions,income and tax credits | Wave 5 and Wave 8 | |
| **Transport** | | |
| Vehicle register, Driver and Vehicle Licensing Agency | Wave 5 | |
| **Energy Use** | | |
| Department for Business, Energy and Industrial Strategy (BEIS) | Wave 8 | |

Understanding Society
THE UK HOUSEHOLD LONGITUDINAL STUDY

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# CLOSER

The UK is home to the world's largest and longest-running longitudinal studies.

CLOSER (Cohort & Longitudinal Studies Enhancement Resources) aims to maximise their use, value and impact both at home and abroad. Bringing together eight leading studies, the British Library and the UK Data Service, CLOSER works to stimulate interdisciplinary research, develop shared resources, provide training, and share expertise. In this way CLOSER is helping to build the body of knowledge on how life in the UK is changing – both across generations and in comparison to the rest of the world.

Areas of work:

- Data harmonisation
- Data linkage
- Research impact
- Training and capacity building

www.closer.ac.uk

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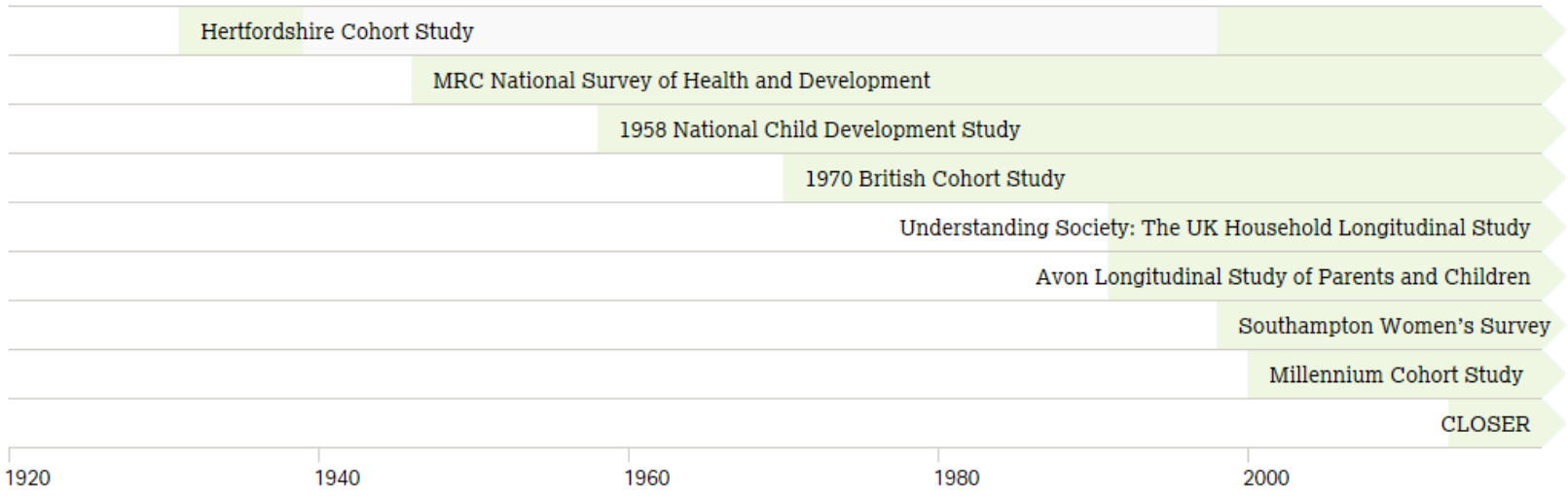
closer The home of longitudinal research

Home > Timeline of studies

# Timeline of studies

Scoop ShareThis




closer.ac.uk/data-resources/timeline/

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# Harmonised Longitudinal Data - CLOSER

The UK Data Service is pleased to announce the first harmonised datasets, created by CLOSER (Cohort and Longitudinal Studies Enhancement Resources) are now available to download. The datasets harmonise body size and body composition variables (height, weight and BMI) across five of the UK's prestigious cohort studies:

- MRC National Survey of Health and Development (NSHD)
- National Child Development Study 1958 (NCDS)
- 1970 British Cohort Study (BCS70)
- Millennium Cohort Study (MCS)
- Avon Longitudinal Study of Parents and Children (ALSPAC)

*"As an experienced researcher I know the huge challenges involved in creating harmonised datasets from different data sources, and the importance of ensuring the methods used can be usefully exploited by other researchers. Longitudinal harmonisation provides fascinating insights as to how the UK is changing over time, and I'm delighted CLOSER is helping make this work easier."(Professor Alison Park)*

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# CLOSER datasets at the UK Data Service

GN 33530

**CLOSER Workpackage 1: Harmonised Height, Weight and BMI in Five Longitudinal Cohort Studies**

| SN | Study description | Access online | Select |
|---|---|---|---|
| 8209 | Harmonised Height, Weight and BMI in Five Longitudinal Cohort Studies: MRC National Survey of Health and Development: Special Licence Access | | Login |
| 8208 | Harmonised Height, Weight and BMI in Five Longitudinal Cohort Studies: Avon Longitudinal Study of Parents and Children: Special Licence Access | | Login |
| 8207 | Harmonised Height, Weight and BMI in Five Longitudinal Cohort Studies: National Child Development Study, 1970 British Cohort Study and Millennium Cohort Study | Nesstar | Login |

GN 33536

**CLOSER Workpackage 2: Harmonised Socio-Economic Measures in Four Longitudinal Cohort Studies**

| SN | Study description | Access online | Select |
|---|---|---|---|
| 8308 | Harmonised Socio-Economic Measures in Four Longitudinal Cohort Studies: MRC National Survey of Health and Development: Special Licence Access | | Login |
| 8307 | Harmonised Socio-Economic Measures in Four Longitudinal Cohort Studies: National Child Development Study | Nesstar | Login |
| 8306 | Harmonised Socio-Economic Measures in Four Longitudinal Cohort Studies: Millennium Cohort Study | Nesstar | Login |
| 8305 | Harmonised Socio-Economic Measures in Four Longitudinal Cohort Studies: 1970 British Cohort Study | Nesstar | Login |

GN 33529 **CLOSER Training Datasets**

| SN | Study description |
|---|---|
| 8205 | National Child Development Study: CLOSER Training Dataset, 1958-2013 |

beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000111#!/access

UK Data Service

growingupinscotland.org.uk/

UK Data Service

# Growing Up in Scotland (GUS)

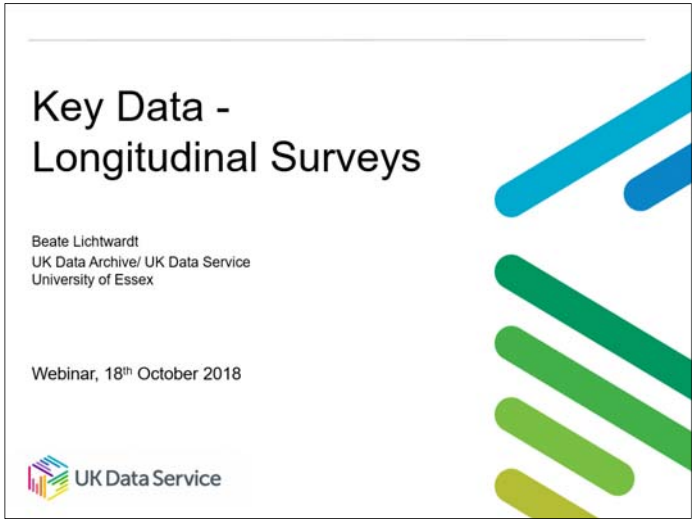
following several cohorts (child cohort 2002-03, birth cohorts for 2004-2005 and 2010-2011) of Scottish children from the early years, through childhood and beyond

- health
- neighbourhood
- development
- education
- leisure
- friendships

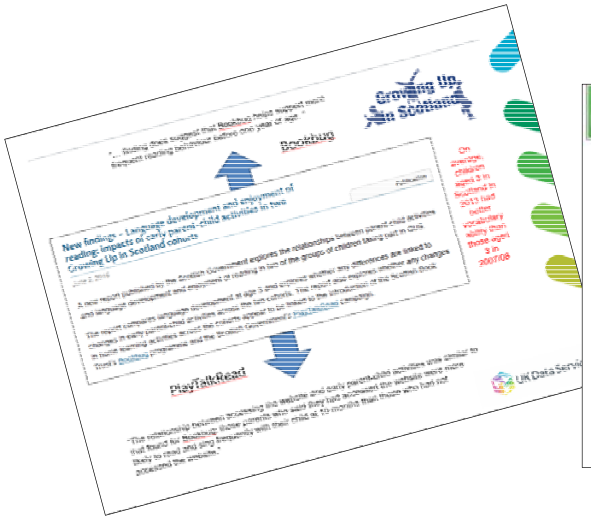
- consent from parents to link data collected from them and their children to administrative data held by health and education authorities.

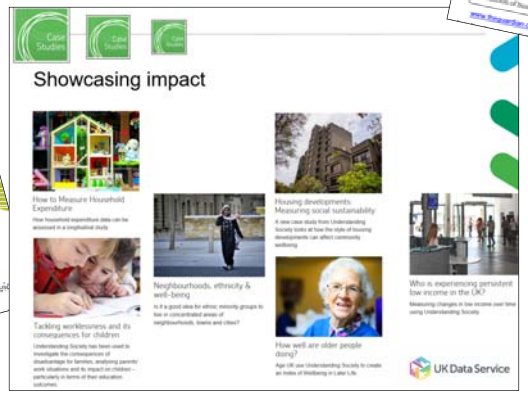
UK Data Service

# More on longitudinal surveys and their impact




ukdataservice.ac.uk/news-and-events/eventsitem/?id=5215




UK Data Service

# Finding longitudinal data on education

UK Data Service

# Search 1 – Key data

UK Data Service

About us | Get data | Use data | Manage data | Deposit data | News and events

Home > Get data > Key data > Cohort and longitudinal studies

- About our data
- Key data
- Data by theme
- Data by geography
- Open data
- How to access
- Other providers
- Explore online
- Data access policy
- Thesauri

## Key data

Browse our most popular datasets, by data type.

| | | | |
|---|---|---|---|
| UK surveys | Cross-national surveys | Longitudinal studies | International macrodata |
| Census data | Business microdata | Qualitative / mixed methods | Administrative data |

SHARE

Longitudinal studies involve repeated observations of the same subjects, allowing researchers to analyse change at the individual level.

The UK is home to several key longitudinal studies, including major panel and internationally-renowned cohort studies.

- Data Catalogue of longitudinal studies
- Case studies relating to longitudinal studies

**1970 British Cohort Study**

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ANALYSING CHANGE OVER TIME

Read our introductory guide to quantitative analysis of change over time using different types of data and different methods commonly used to analyse these data.

ukdataservice.ac.uk/get-data/key-data/cohort-and-longitudinal-studies.aspx

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# Search 2 – Data by theme

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Home > Get data > Data by theme

## Data by theme

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The UK Data Service has web pages to aid researchers looking specifically for data on particular themes:

### Ageing

Ageing is the accumulation of a wide range of changes experienced by a person over time, including physical, psychological, and social factors. In particular, given the rise in life expectancy, there has been increasing focus on the social factors of ageing e.g. longer working hours, pensions, issues related to heath and quality of life. Equally, social inequalities caused by increasing longevity also raise a complex set of challenges for policy makers. The UK Data Service holds a variety of data collections related to ageing, from key government and longitudinal surveys to international indicators and qualitative historical interviews.

### Crime

'Crime' encompasses a wide range of issues that lie within the remit of several academic disciplines, including sociology, psychology, law and economics. As a theme, crime may cover various topics, ranging from contemporary concerns over youth gangs and anti-social behaviour, through 'white collar' and corporate crime, including crimes against the environment, to serious violence. Crime-related data held by the UK Data Service include not only national crime surveys (which themselves cover diverse issues such as identity theft and alcohol-related disorder in the night-time economy) but also illegal drug use, workers in the criminal justice system, football hooliganism and community policing in Africa.

- About our data
- Key data
- Data by theme
  - Ageing
  - Crime
  - Economics
  - Education
  - Environment and energy
  - Ethnicity
  - Food
  - Health
  - Housing
  - Information and communication
  - Labour
  - Politics
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- Data by geography
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UK DATA SERVICE NEWSLETTER

Subscribe for consolidated quarterly updates from the UK Data Service

email address

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www.ukdataservice.ac.uk/get-data/themes.aspx

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# Search 3 – Data Catalogue: Studies (410)

education

Variable and question bank › QualiBank ›

STUDIES (2208) SERIES (57)

Date from: 1753 Date to: 2019

Refine date

Topic:

Data Type:

Cohort and longitudinal studies ×

Access:

Displaying 1 - 10 of 410 results for 'education' Page 1 of 41

Results per page: 10 Sort by: Relevance

SN 5471 Misreported Schooling and Returns to Education, 1958-1991

Battistin, Erich | Sianesi, Barbara

SN 852021 Education and social outcomes of young people: promoting success

Salter, E, University of Sussex | Bond, R, University of Sussex

SN 8278 Study of Early Education and Development: Wave 2, 2014-2015

beta.ukdataservice.ac.uk/datacatalogue/studies#!?Search=&Page=1&Rows=10&Sort=0&DateFrom=1753&DateTo=2019

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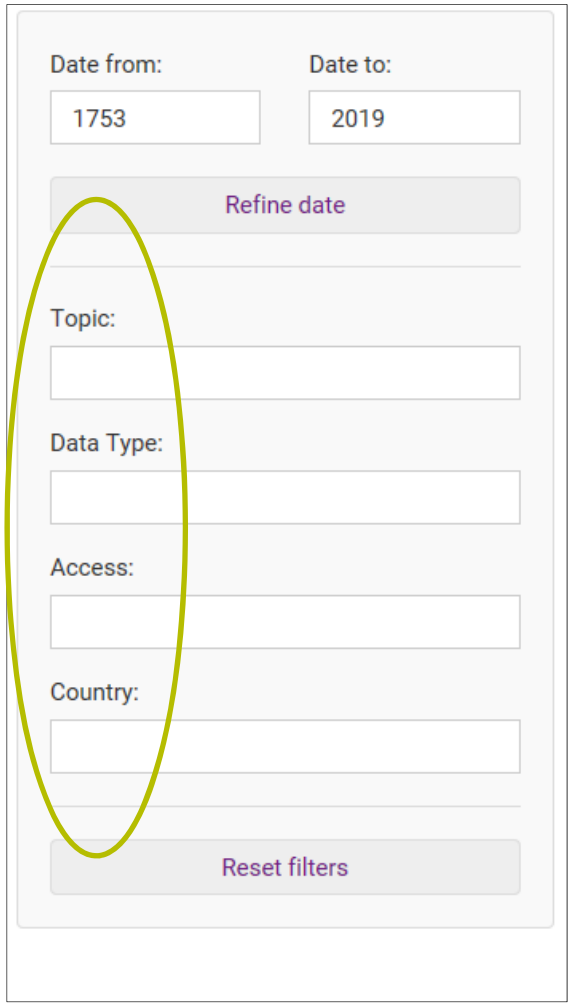
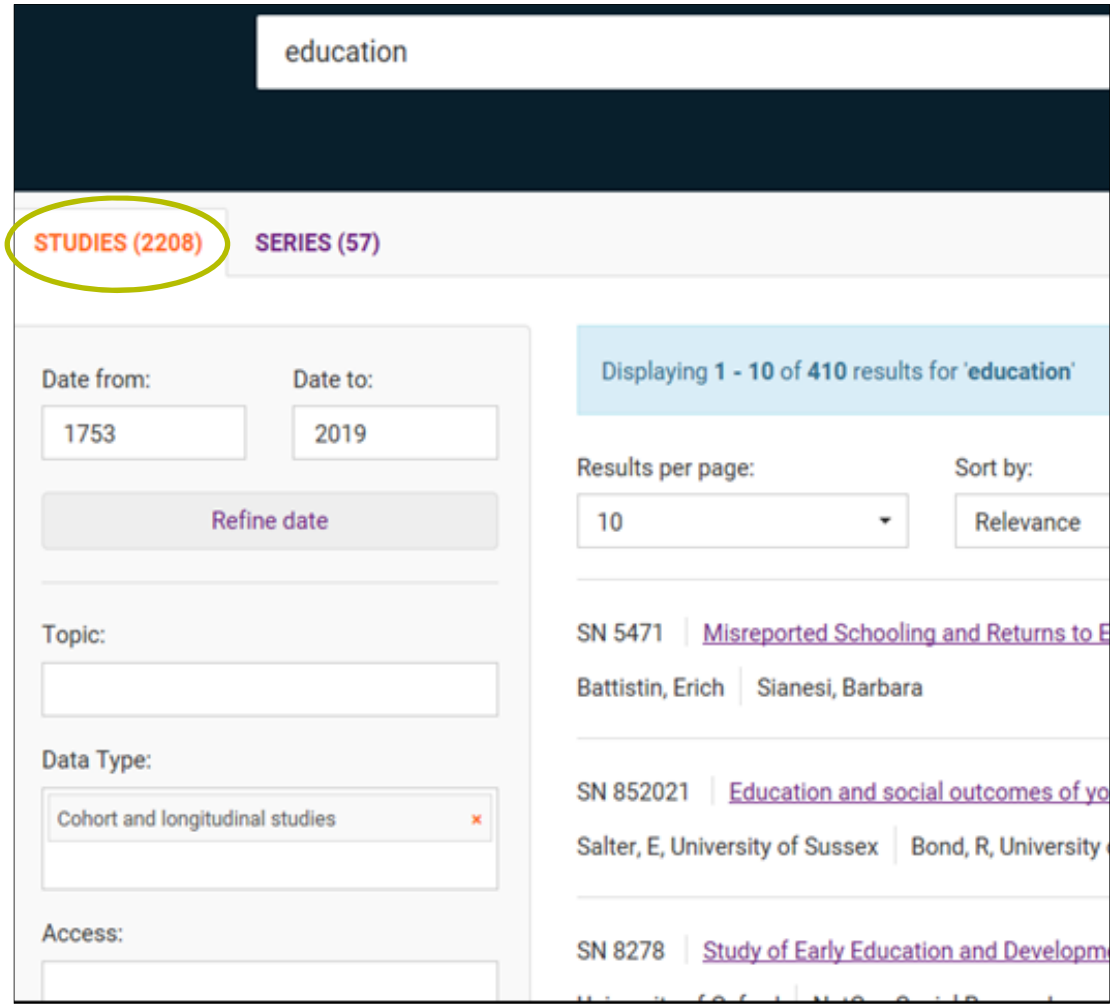
# Search 3 – Data Catalogue: Studies and Series




beta.ukdataservice.ac.uk/datacatalogue/studies#!?Search=&Page=1&Rows=10&Sort=0&DateFrom=1753&DateTo=2019

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# Search 3 – Data Catalogue: Series (22)

education

Variable and question bank › QualiBank ›

STUDIES (2208) SERIES (57)

Date from: 1753

Date to: 2019

Refine date

Topic:

Data Type:

Cohort and longitudinal studies ×

Country:

Displaying **1 - 10** of **22** results for '**education**'

Page **1** of **3**

Results per page: 10

Sort by: Relevance

SN 200001 | 1970 British Cohort Study

Background The 1970 British Cohort Study (BCS70) began in 1970 when data were collected about the births and families of babies born in the United Kingdom in one particular week in 1970. The first wave, called the British Births Survey, was carried out by the National...

Read more

SN 2000108 | National Pupil Database

The National Pupil Database (NPD) is one of the richest education datasets in the world. It is a

beta.ukdataservice.ac.uk/datacatalogue/series#!?Search=&Page=1&Rows=10&Sort=0&DateFrom=1753&DateTo=2019

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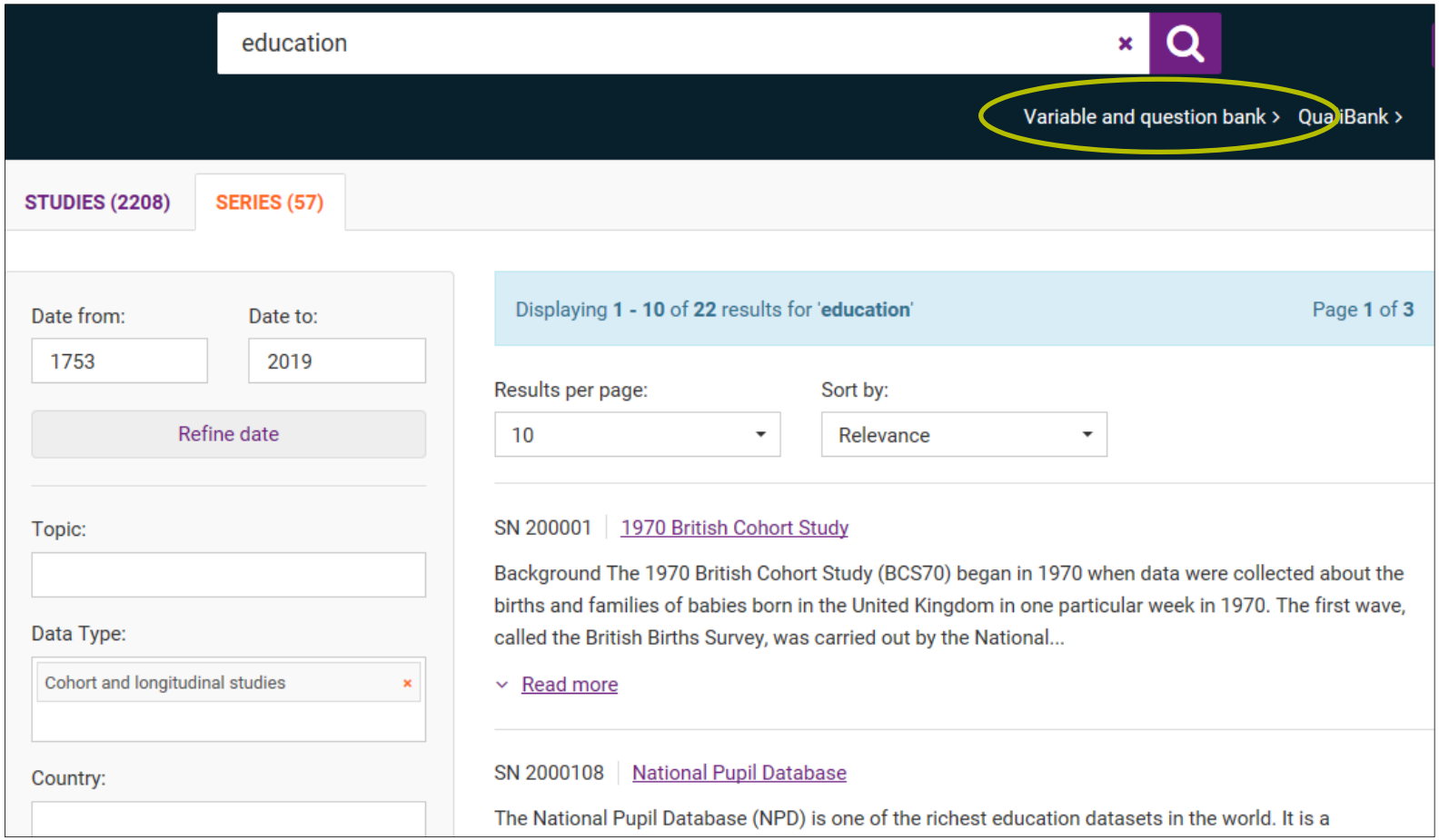
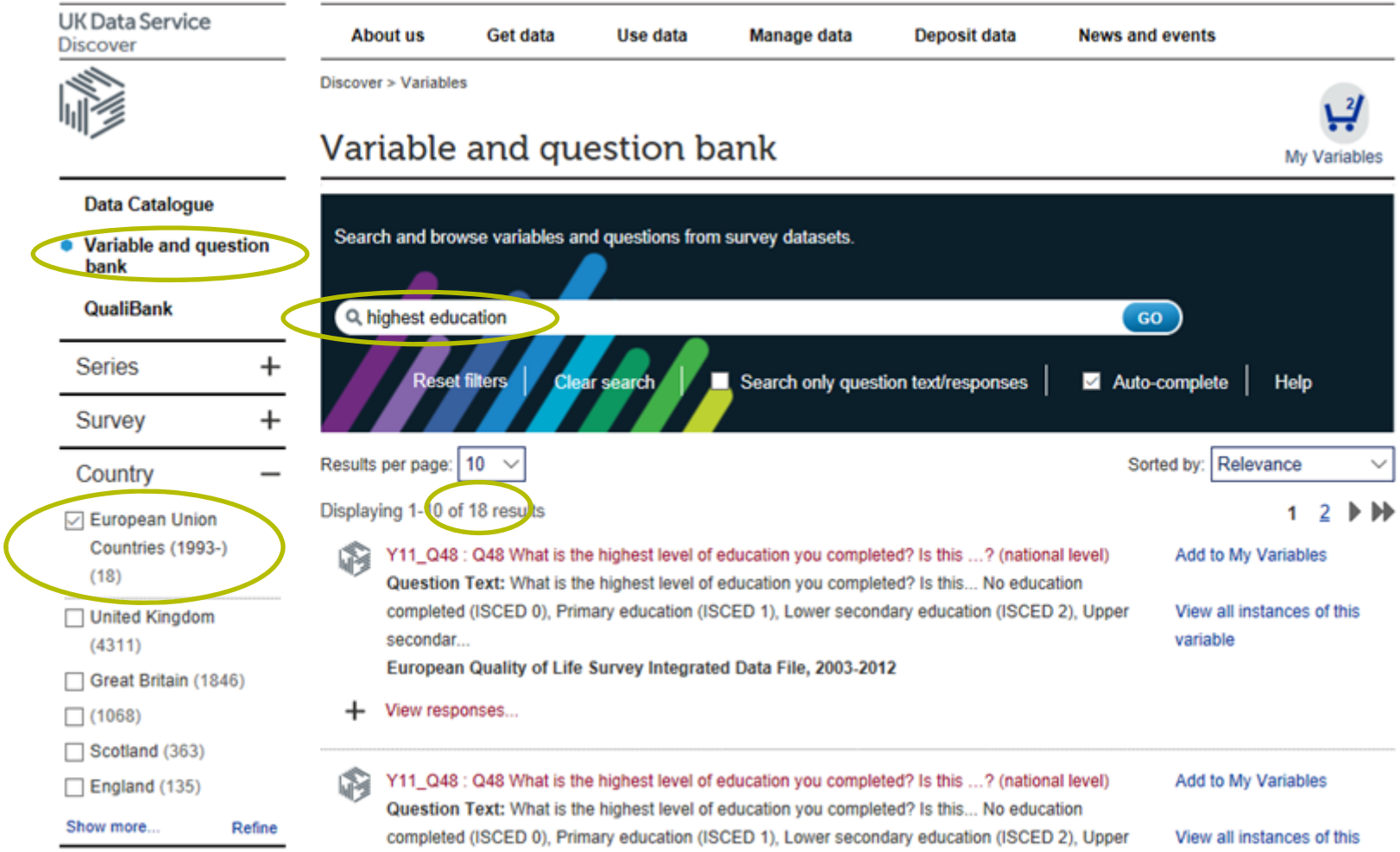
# Search 4 – Data Catalogue: Variable and question bank




beta.ukdataservice.ac.uk/datacatalogue/series#!?Search=&Page=1&Rows=10&Sort=0&DateFrom=1753&DateTo=2019

UK Data Service

# Search 4 – Data Catalogue: Variable and question bank (Example)




discover.ukdataservice.ac.uk/variables

UK Data Service

# Search 4 – Data Catalogue: Variable and question bank (Example)

Discover > Variables

## Variable and question bank

My Variables

Data Catalogue

Variable and question bank

QualiBank

Series +

Survey +

Country −

- European Union Countries (1993-) (18)
- United Kingdom (4311)
- Great Britain (1846)
- (1068)
- Scotland (363)
- England (135)

Show more... Refine

Date −

Data coverage /

Search and browse variables and questions from survey datasets.

highest education GO

Reset filters | Clear search | Search only question text/responses | Auto-complete | Help

Results per page: 10

Sorted by: Date (latest first) / Date (earliest first) / Relevance / Title (A-Z) / Title (Z-A)

Displaying 1-10 of 18 results

isced : ISCED classification : the highest level of education or training
**European Working Conditions Survey, 1995**
+ View responses...
Add to My Variables
View all instances of this variable

ef1 : ef1. What is the highest level of education that you have successfully completed?
**European Working Conditions Survey, 1995**
+ View responses...
Add to My Variables
View all instances of this variable

ef1 : ef1. What is the highest level of education that you have successfully completed?
**European Working Conditions Survey, 2000**
+ View responses...
Add to My Variables
View all instances of this

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# Search 4 – Data Catalogue: Variable and question bank (Example)

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Discover

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Discover > Variables

## Variable and question bank

My Variables

Data Catalogue
- Variable and question bank
- QualiBank

Series +

Survey +

Country −

- [x] European Union Countries (1993-) (213)
- [ ] United Kingdom (55678)
- [ ] Great Britain (44759)
- [ ] (31606)
- [ ] England (9707)
- [ ] Scotland (2371)

Show more Refine

Search and browse variables and questions from survey datasets.

education GO

Reset filters | Clear search | [ ] Search only question text/responses | [x] Auto-complete | Help

Results per page: 10 Sorted by: Relevance

Displaying 1-10 of 213 results 1 2 3 4 5

Y11_Q48 : Q48 What is the highest level of education you completed? Is this ...? (national level) Add to My Variables

**Question Text:** What is the highest level of education you completed? Is this... No education completed (ISCED 0), Primary education (ISCED 1), Lower secondary education (ISCED 2), Upper secondar... View all instances of this variable

**European Quality of Life Survey Integrated Data File, 2003-2012**

+ View responses...

Y11_Q48 : Q48 What is the highest level of education you completed? Is this ...? (national level) Add to My Variables

**Question Text:** What is the highest level of education you completed? Is this... No education

D 1), Lower secondary education (ISCED 2), Upper View all instances of this

UK Data Service

# Search 4 – Data Catalogue: Variable and question bank (Example)_My Variables

My Variables

## Y03_Q47 — Remove

**Variable** Y03_Q47

**Question text**

What is the highest level of education you completed? Is this... Primary education, Secondary education, University?

**Responses**

| | | |
|---|---|---|
| 1 | Primary education | 6638 |
| 2 | Secondary education | 14252 |
| 3 | University | 4477 |
| 4 | None | 738 |
| 99 | Don't know / no answer | 152 |
| Sysmiss | | 79270 |

**Survey**

European Quality of Life Survey Integrated Data File, 2003-2012

## Y11_ISCEDsimple — Remove

**Variable** Y11_ISCEDsimple

**Question text**

N/A

**Responses**

| | | |
|---|---|---|
| 1 | No education completed (ISCED 0) | 1016 |
| 2 | Primary education (ISCED 1) | 4392 |
| 3 | Lower secondary education (ISCED 2) | 6440 |
| 4 | Upper secondary education (ISCED 3) | 13748 |
| 5 | Post-secondary including pre-vocational or vocational educat | 2807 |
| 6 | Tertiary education – first level (ISCED 5) | 6203 |

**Survey**

European Quality of Life Time Series, 2007 and 2011: Open Access

## isced — Remove

**Variable** isced

**Question text**

What is the highest level of education you completed? Is this... None education completed (ISCED 0), Primary education (ISCED 1), Lower

**Responses**

| | | |
|---|---|---|
| 1 | ISCED0 | 1016 |
| 2 | ISCED1 | 4392 |
| 3 | ISCED2 | 6440 |
| 4 | ISCED3 | 13748 |
| 5 | ISCED4 | 2807 |
| 6 | ISCED5 | 6203 |
| 7 | ISCED6 | 405 |
| Sysmiss | | 623 |

**Survey**

European Quality of Life Survey, 2007

## y10_ef1 — Remove

**Variable** y10_ef1

**Question text**

N/A

**Responses**

| | | |
|---|---|---|
| 1001 | BE01 Primary education not completed | 19 |
| 1002 | BE02 Primary education | 76 |
| 1003 | BE03 Lower secondary education: professional (BSO) | 207 |
| 1004 | BE04 Lower secondary education: technical (TSO) (A3) | 169 |
| 1005 | BE05 Lower secondary education: general (ASO) | 141 |
| 1006 | BE06 Higher secondary education: professional (BSO) | 512 |

**Survey**

European Working Conditions Survey Integrated Data File, 1991-2010

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# Data access

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# Who can access the data?

**All registered users**

However, which data can be accessed and the particular access conditions vary according to:

- user type
  (UK HE/FE, Non HE/FE, Non UK)
- usage/project characteristics
  (Commercial, non-commercial)
- specific data access conditions attached to chosen data
  (EUL, SC, SL (AR), Secure Lab data access, Safe Room access)

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# Data access

- web access to data and metadata
- data are freely available for use in higher education institutions
- data supplied in a variety of formats
  - statistical package formats (e.g. SPSS, STATA)
  - databases and spreadsheets
  - word processed documents, PDF documents etc.

# Accessing data – step by step

- register with us via UK Federation using your university/UKDA username and password
- agree to an End User Licence (EUL)
- select the desired data from the Data Catalogue by clicking on the 'Download/Order' button
- specify a project for which the data is to be used (minimum: 30-word description)
- then:
  - download the data to local machine selecting your preferred format (SPSS, STATA, TAB etc.)
  *or*
  - place an order for the data (SC, if no online agreement; SL) and complete all relevant forms

UK Data Service

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Home > Discover data > How to access > Download and order

- About our data
- Key data
- Data by theme
- Data by geography
- Open access data
- How to access
  - Registration
  - Download and order
  - Access Secure Lab
  - Charges
  - Terms and conditions of access
- Other providers
- Explore online
- Data access policy

# Download and order

Information about how to download, order or request access to Safeguarded and Controlled data are provided below.

| Download and order | Order Special Licence data | Order ONS Special Licence data | Order data from non-UK archive | Controlled data |
|---|---|---|---|---|

SHARE

**To download/order data**:

1. locate the data collection you require using Discover
2. click the 'Download/Order' option for the data collection required
3. register a new use of the data, or choose from any previously registered usages
4. enter a short summary describing your intended use of the data
5. click 'Add datasets' and the selected data collection will be added to your usage
6. agree any special conditions associated with the selected datasets. These will appear in the 'Status' column
7. click 'Download' and accept the EUL reminder
8. select the download format required and the download will begin. Note that where the format option is 'Other', format guidance is usually given within the zip file name, for example, SAS

Some data collections are not available for immediate download, and you will need to order the data. To do this, check the 'Other media' box and follow the online instructions.

View our video tutorial on how to download UK survey data.

How to download UK survey data

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Data | Website

How to download UK survey data

HOW TO DOWNLOAD UK SURVEY DATA

View our video tutorial on how to download UK survey data.

QUICK ACCESS TO

- FAQ - Download and formats
- FAQ - Find and access
- Get in touch: accessing

ukdataservice.ac.uk/get-data/how-to-access/downloadorder.aspx

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# Data access conditions

- End User Licence (EUL)
- Special Conditions (SC)
- Special Licence (SL)
  Approved Researcher Status
- Secure Lab Data access
- - Approved Researcher
  - Training
  - Password and username
- Safe Room access (onsite)

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# End User Licence

"Every user is required to agree to an End User Licence outlining the terms and conditions of use of the data. This includes, for example,

- not to share data with anyone who is not authorised to access them;
- not to use the data for commercial purposes, except with permission;
- not to try to use the data to identify individuals, households or organisations;
- to cite the data correctly and inform the UK Data Achive/UK Data Service of any publications;
- not to disclose your login details to anyone else;
- agreeing to meet any charges…"

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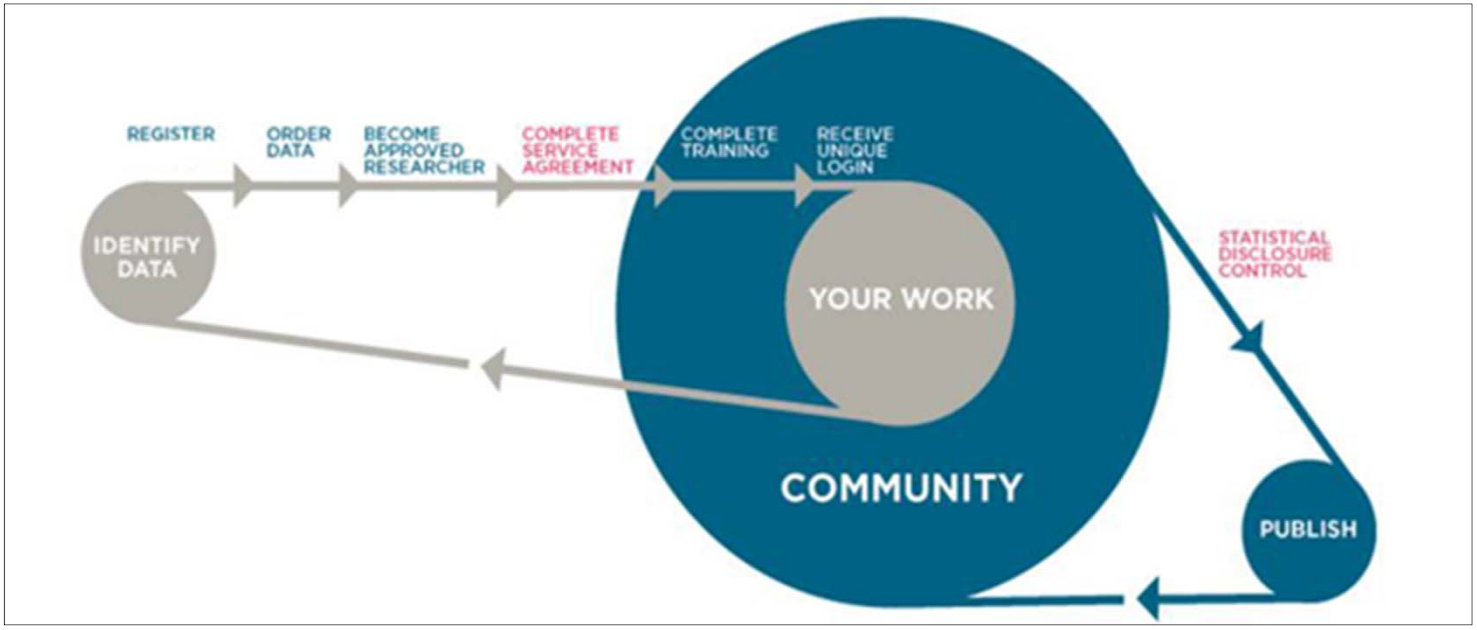
# Special Licence Access

- strategy to provide access to datasets that are detailed, yet anonymised
- as these data pose a higher risk of disclosure, they have additional special conditions attached to them
- SL requires the signature(s) of the researcher(s) and the institution with responsibility for the researcher; also needs the explicit permission of the data owner to release the data to the researcher(s)

# Secure Lab data access

- data not available for download
- access requires accreditation as an Approved Researcher, completion of face-to-face training, and agreement to the Service's User Agreement and Breaches Penalties Policy
- applications are screened by the UK Data Archive and the individual or institution having ownership of the data (or their designated authority), and access is only granted to those researchers requiring data for statistical research purposes and who can justify their need for the data

# Secure Lab data access




UK Data Service

# Exploring data online

UK Data Service

# Online analysis with Nesstar

- online data browsing and analysis system
- allows users to search for, locate, browse and analyse and download a wide variety of statistical data within a web browser
- UK Data Archive, as service provider for the UK Data Service, hosts a Nesstar server populated by its most popular data series
- registration is required for analysis such as crosstabulations and regressions

# Explore data online with Nesstar

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- About our data
- Key data
- Data by theme
- Data by geography
- Open data
- How to access
- Other providers
- Explore online
- Data access policy
- Thesauri

## Explore online

SHARE

A selection of data are available to explore via our online tools.

### Nesstar

Nesstar is the online data exploration system used by the UK Data Service to provide access to a wide variety of datasets. All visitors to our Nesstar Catalogue can browse study metadata, variable frequencies and use the simple and advanced search options. Registered users can also create simple online cross-tabulations, produce graphs, and download subsets of variables in a variety of formats.

### Census

A number of tools are available for accessing census data available via the UK Data Service Census Support.

### UKDS.Stat

UKDS.Stat enables you to extract information from the large socio-economic international datasets available at the UK Data Service. The interface, which uses OECD data warehousing technology, provides an improved user experience and many exciting features, including animated time series charts, the ability to display data as choropleth maps, to save personal queries, share queries and to search across all datasets.

### Beyond 20/20

As of 31 December 2014, Beyond 20/20 is no longer available at UK Data Service. All international data can now be accessed from UKDS.Stat.

ukdataservice.ac.uk/get-data/explore-online

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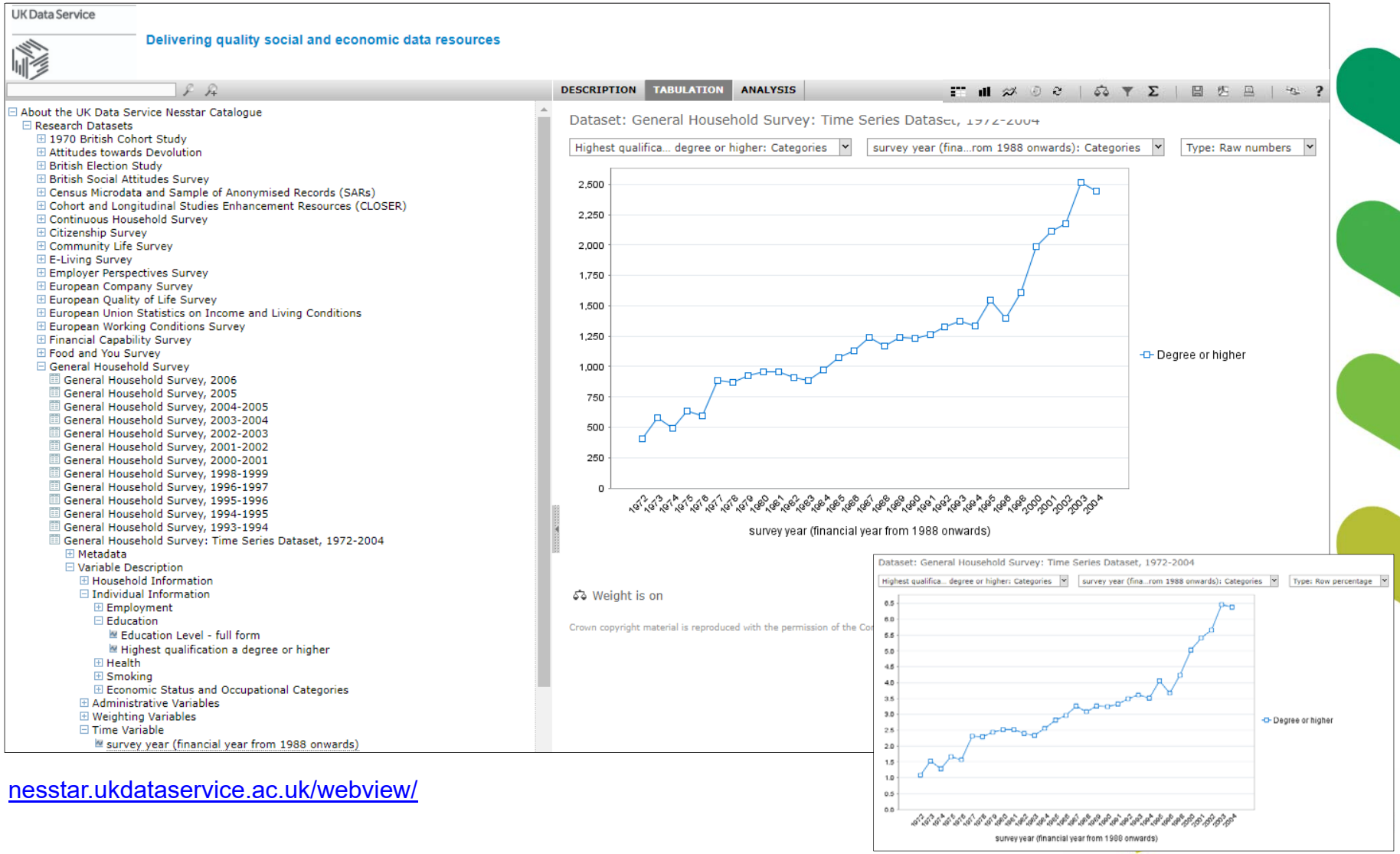
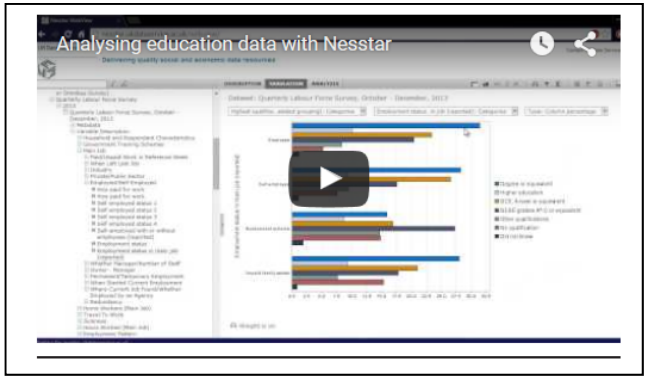
# Nesstar – example (highest qualification)




nesstar.ukdataservice.ac.uk/webview/

# Nesstar – useful links to get started

- Nesstar website: nesstar.com
- video tutorials: ukdataservice.ac.uk/get-data/explore-online/nesstar/nesstar




ukdataservice.ac.uk/get-data/themes/education/analysing

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# Support and resources

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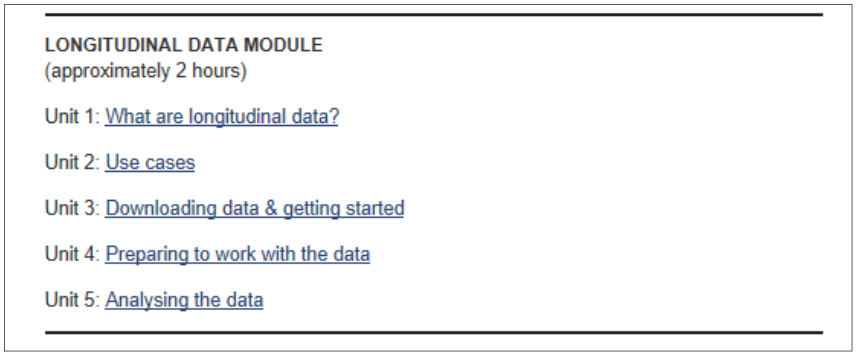
# Support and resources

- video tutorials/webinars
- student resources, data skills modules


LONGITUDINAL DATA MODULE
(approximately 2 hours)

Unit 1: What are longitudinal data?

Unit 2: Use cases

Unit 3: Downloading data & getting started

Unit 4: Preparing to work with the data

Unit 5: Analysing the data

ukdataservice.ac.uk/use-data/data-skills-modules.aspx

- case studies
- guides
- themes
- advice on managing and sharing data
- teaching data and resources
- helpdesk, individual user support

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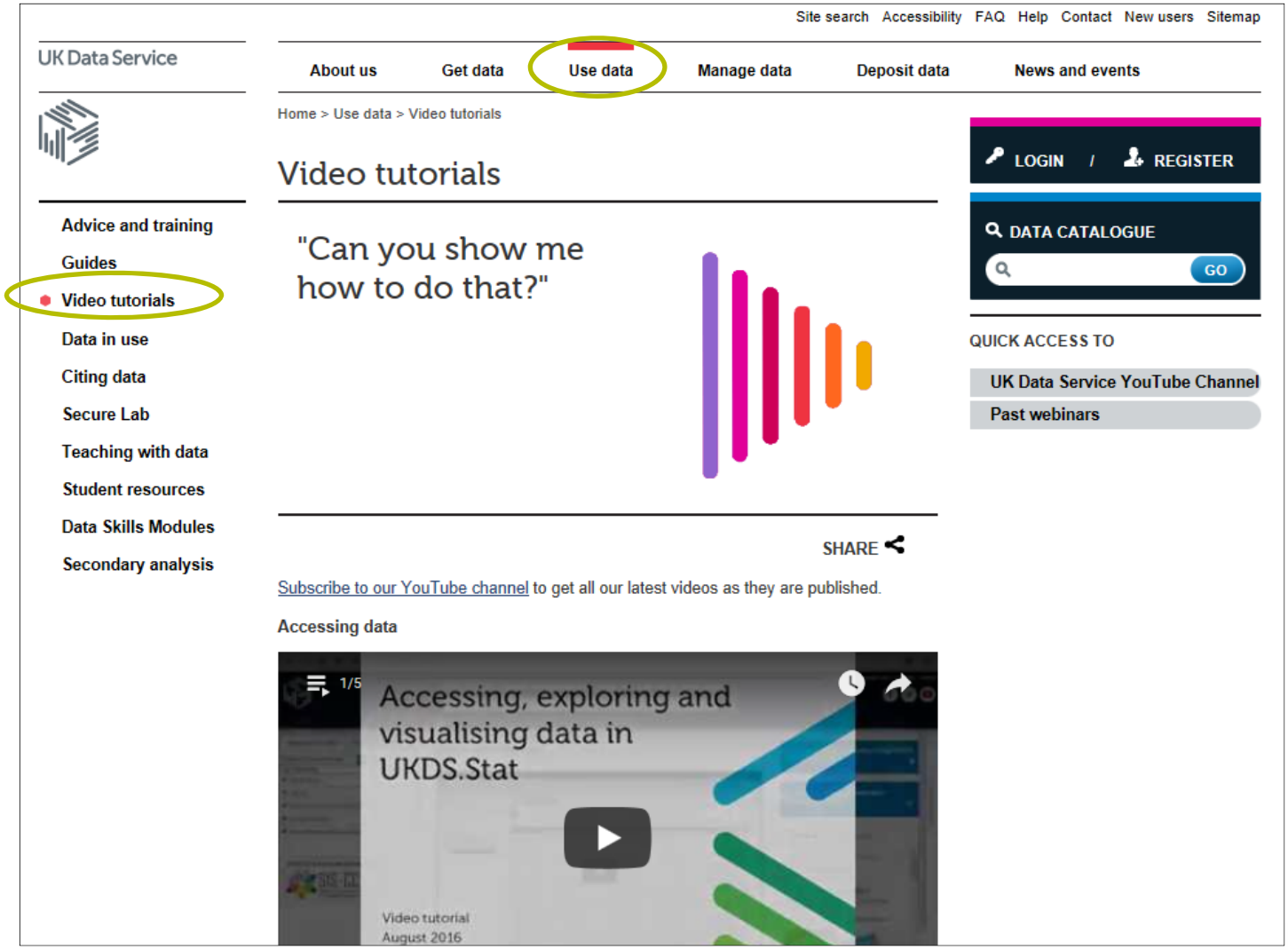
# Video tutorials




ukdataservice.ac.uk/use-data/tutorials

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# Thematic guides

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Home > Get data > Data by theme > Education > Resources

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- About our data
- Key data
- Data by theme
  - Ageing
  - Crime
  - Economics
  - Education
  - Environment and energy
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  - Health
  - Housing
  - Information and communication
  - Labour
  - Politics
  - Poverty
- Data by geography
- Open data
- How to access
- Other providers
- Explore online

## Education

Shed light on all sorts of education-related research questions

Key data | Data catalogue | Research | Resources

SHARE

The UK Data Service helps to support users of data by providing:

- A library of case studies demonstrating how UK Data Service data have been used including case studies using data on education.
- Self-study software and good practice guides, such as What is weighting?
- Teaching datasets on the theme of education, many of which can be explored online without the need for additional software.
- Thematic guides identifying key datasets in the area of education.

OTHER RESOURCES FOR DATA ON EDUCATION

- National Foundation for Educational Research
- Institute of Education – University of London
- Current Education & Children's Services Research
- Education Research Centre – University of Brighton
- Department of Educational Research – Lancaster University
- Department of Education – University of Oxford
- Society for Research into Higher Education
- Centre for International Education – University of Sussex

www.ukdataservice.ac.uk/get-data/themes/education/resources.aspx

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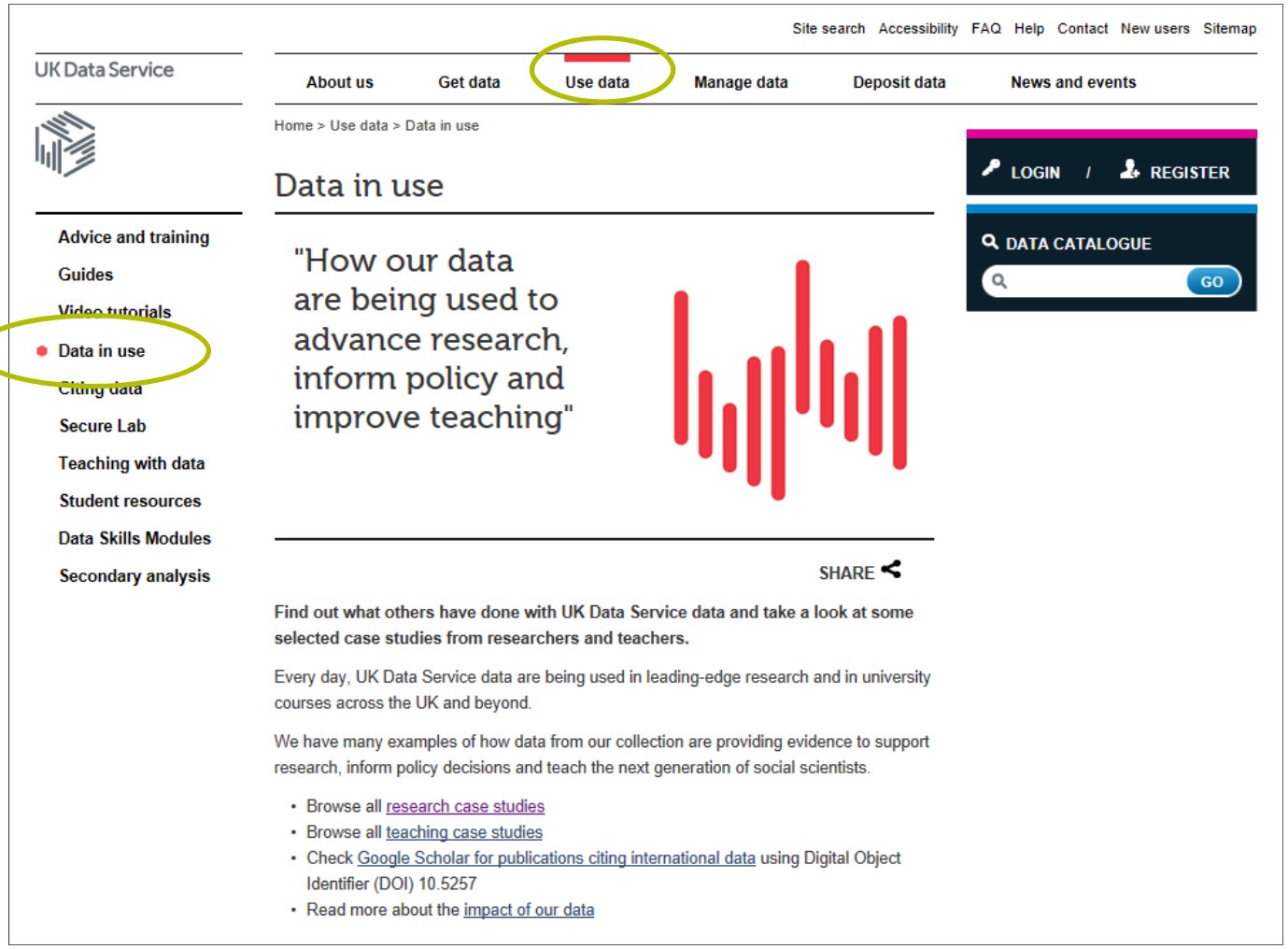
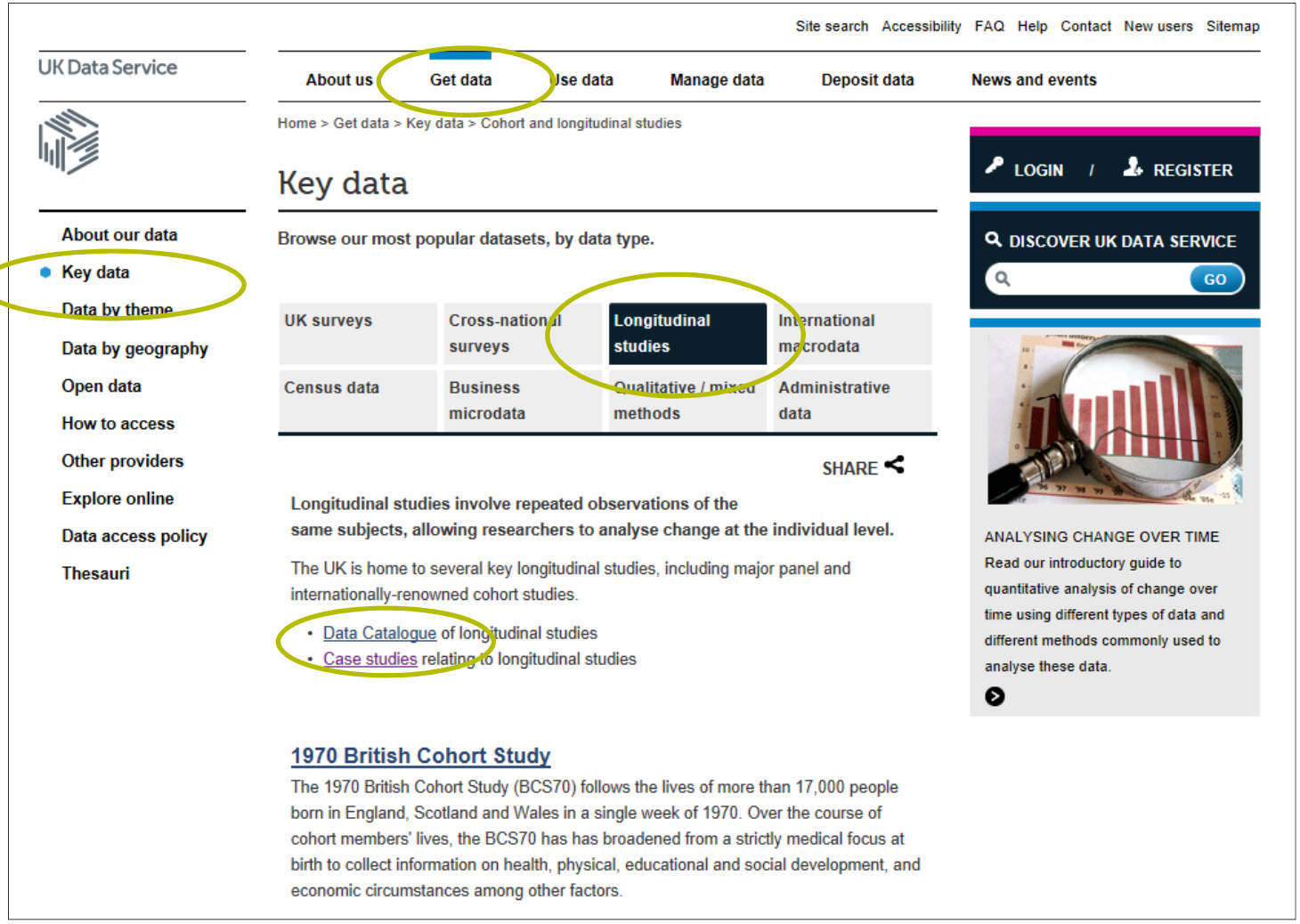
# Case studies – search all




ukdataservice.ac.uk/use-data/data-in-use

UK Data Service

# Case studies - based on longitudinal data



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About us | Get data | Use data | Manage data | Deposit data | News and events

Home > Get data > Key data > Cohort and longitudinal studies

About our data
Key data
Data by theme
Data by geography
Open data
How to access
Other providers
Explore online
Data access policy
Thesauri

## Key data

Browse our most popular datasets, by data type.

| | | | |
|---|---|---|---|
| UK surveys | Cross-national surveys | Longitudinal studies | International macrodata |
| Census data | Business microdata | Qualitative / mixed methods | Administrative data |

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Longitudinal studies involve repeated observations of the same subjects, allowing researchers to analyse change at the individual level.

The UK is home to several key longitudinal studies, including major panel and internationally-renowned cohort studies.

- Data Catalogue of longitudinal studies
- Case studies relating to longitudinal studies

### 1970 British Cohort Study

The 1970 British Cohort Study (BCS70) follows the lives of more than 17,000 people born in England, Scotland and Wales in a single week of 1970. Over the course of cohort members' lives, the BCS70 has has broadened from a strictly medical focus at birth to collect information on health, physical, educational and social development, and economic circumstances among other factors.

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ANALYSING CHANGE OVER TIME

Read our introductory guide to quantitative analysis of change over time using different types of data and different methods commonly used to analyse these data.

ukdataservice.ac.uk/get-data/key-data/cohort-and-longitudinal-studies.aspx

UK Data Service

# Case studies - using data on education

Site search Accessibility FAQ Help Contact New users Sitemap

UK Data Service

About us | Get data | Use data | Manage data | Deposit data | News and events

Home > Get data > Data by theme > Education > Resources

## Education

Shed light on all sorts of education-related research questions

Key data | Data catalogue | Research | Resources

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The UK Data Service helps to support users of data by providing:

- A library of case studies demonstrating how UK Data Service data have been used including case studies using data on education.
- Self-study software and good practice guides, such as What is weighting?
- Teaching datasets on the theme of education, many of which can be explored online without the need for additional software.
- Thematic guides identifying key datasets in the area of education.

OTHER RESOURCES FOR DATA ON EDUCATION

- National Foundation for Educational Research
- Institute of Education – University of London
- Current Education & Children's Services Research
- Education Research Centre – University of Brighton
- Department of Educational Research – Lancaster University
- Department of Education – University of Oxford
- Society for Research into Higher Education
- Centre for International Education – University of Sussex
- Centre for Education Research and Practice

About our data
Key data
Data by theme
- Ageing
- Crime
- Economics
- Education
- Environment and energy
- Ethnicity
- Food
- Health
- Housing
- Information and communication
- Labour
- Politics
- Poverty

Data by geography
Open data
How to access
Other providers
Explore online

Home / Impact / Case Studies / Education

## Education

Factors associated with academic achievement
**Author:** Alex Sutherland
**Institution:** RAND Europe and the University of Cambridge
**Date:** 28 October 2016

Escaping the rural pay penalty: location, migration and the labour market
**Author:** Martin Culliney
**Institution:** Centre for Education and Inclusion Research, Sheffield Hallam University
**Date:** 02 September 2016

Exploring the 'Middle' in GCSE attainment
**Author:** Roxanne Connelly
**Institution:** Administrative Data Research Centre, Scotland
**Date:** 30 September 2015

Paying attention to the environment: Changing attitudes 1991-2009
**Author:** Gabriella Melis
**Institution:** University of Manchester
**Date:** 07 January 2015

How are ethnic inequalities in education changing?
**Author:** Kitty Lymperopoulou
**Institution:** University of Manchester
**Date:** 16 June 2014

www.ukdataservice.ac.uk/get-data/themes/education/resources.aspx

UK Data Service

# Teaching with data

Site search Accessibility FAQ Help Contact New users Sitemap

UK Data Service

About us | Get data | Use data | Manage data | Deposit data | News and events

Home > Use data > Teaching with data

- Advice and training
- Guides
- Video tutorials
- Data in use
- Citing data
- Secure Lab
- Teaching with data
  - Register your class
  - Quiz App
  - Teaching resources
  - Ideas for teaching
- Student resources
- Data Skills Modules
- Secondary analysis

## Teaching with data

"Real data bring learning to life"

SHARE

We believe that the use of data in teaching is an invaluable way for learners to confront real-life research. The data collections:

- constitute well-documented examples of real-life data collection allowing students to engage critically with methods and methodologies
- provide rewarding raw material for data analysis teaching of all types
- can be used to enrich substantive teaching with evidence that can be interrogated

### Register your class

Most of the data in our collection are only available to registered users. Find out how to register your students and share data with them here.

### Teaching resources

LOGIN / REGISTER

DATA CATALOGUE

GO

DATA-DRIVEN LEARNING AND TEACHING

Download our brochure on using our data in learning and teaching. Printed copies can be sent on request.

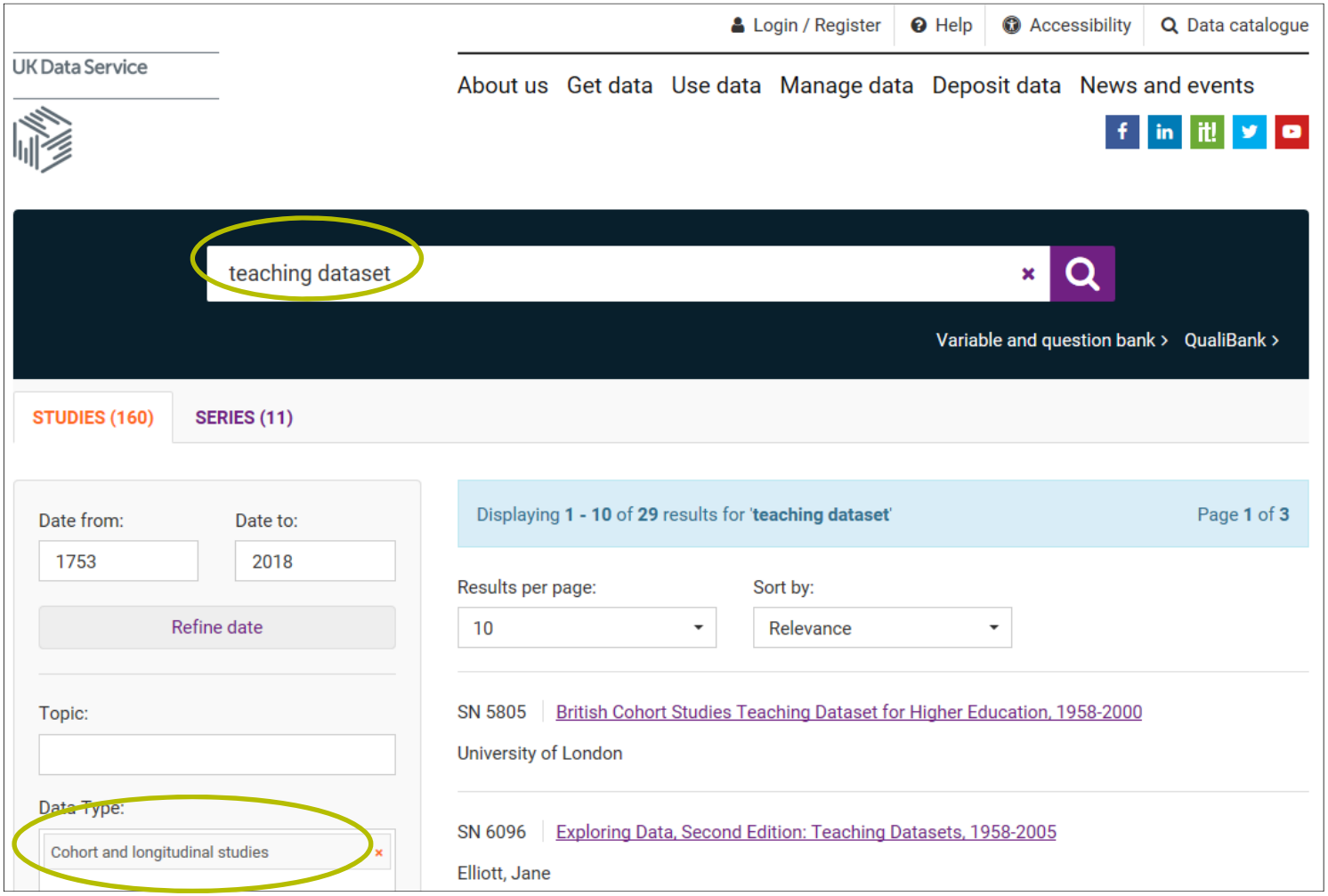
RELATED LINKS

ESRC Quantitative Methods Initiative

ukdataservice.ac.uk/use-data/teaching

UK Data Service

# Longitudinal teaching datasets

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# Teaching datasets on education

Site search Accessibility FAQ Help Contact New users Sitemap

UK Data Service

About us | Get data | Use data | Manage data | Deposit data | News and events

Home > Get data > Data by theme > Education > Resources

LOGIN / REGISTER

DISCOVER UK DATA SERVICE

GO

- About our data
- Key data
- Data by theme
  - Ageing
  - Crime
  - Economics
  - Education
  - Environment and energy
  - Ethnicity
  - Food
  - Health
  - Housing
  - Information and communication
  - Labour
  - Politics
  - Poverty
- Data by geography
- Open data
- How to access
- Other providers
- Explore online

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# Help

Site search Accessibility FAQ Help Contact New users Sitemap

UK Data Service

About us | Get data | Use data | Manage data | Deposit data | News and events

Home > Help > FAQ

Advice for new users
- FAQ
Get in touch

## Help - Frequently Asked Questions (FAQ)

LOGIN / REGISTER

DATA CATALOGUE

GO

**Answers to some of our most frequently asked questions are provided here.**

If you are unable to find an answer to your question, please get in touch by selecting one of the short web forms.

| | | | | |
|---|---|---|---|---|
| Login and registration | Find and Access | Secure Lab | Download and data formats | Use data |
| Publication | Manage data | Deposit data | | |

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**Questions about how go login and register**

How do I log into the UK Data Service?

How do I log into the Secure Lab?

When registering - what usernames and passwords are acceptable to the UK Data Service?

When registering I entered an incorrect email address, what should I do?

How do I obtain a username and password?

When I try to log in/register my organisation does not appear on the list, what should I do?

How do I login/register to ReShare?

When I try to login to ReShare, I am sent to the UK Data Service registration page, although I have already registered, what do I do?

UK Data Service

ukdataservice.ac.uk/help/faq

# Contact

- Helpdesk:

  ukdataservice.ac.uk/help/get-in-touch

  Tel: 01206 872143

- Subscription emails, Facebook, Twitter and Youtube:

  Subscribe to UK Data Service emails:
  jiscmail.ac.uk/cgi-bin/webadmin?A0=UKDATASERVICE

  Twitter: twitter.com/UKDataService

  Facebook: facebook.com/UKDataService

  Youtube: youtube.com/user/UKDATASERVICE

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# Questions

User Support:

support@ukdataservice.ac.uk