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# Incentivising Uptake of **Metadata** in the Social and Behavioural Sciences

Louise Corti

Collections Development and  
Producer Support

EDDI 14

London

December 2014

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UK Data Service

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Through our evangelising  
we are all incentivising

# Britpop, BritArt... Britmetadata



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# Definition of incentivise (OED)

Motivate or encourage (someone) to do something; provide with an incentive:

## Origin

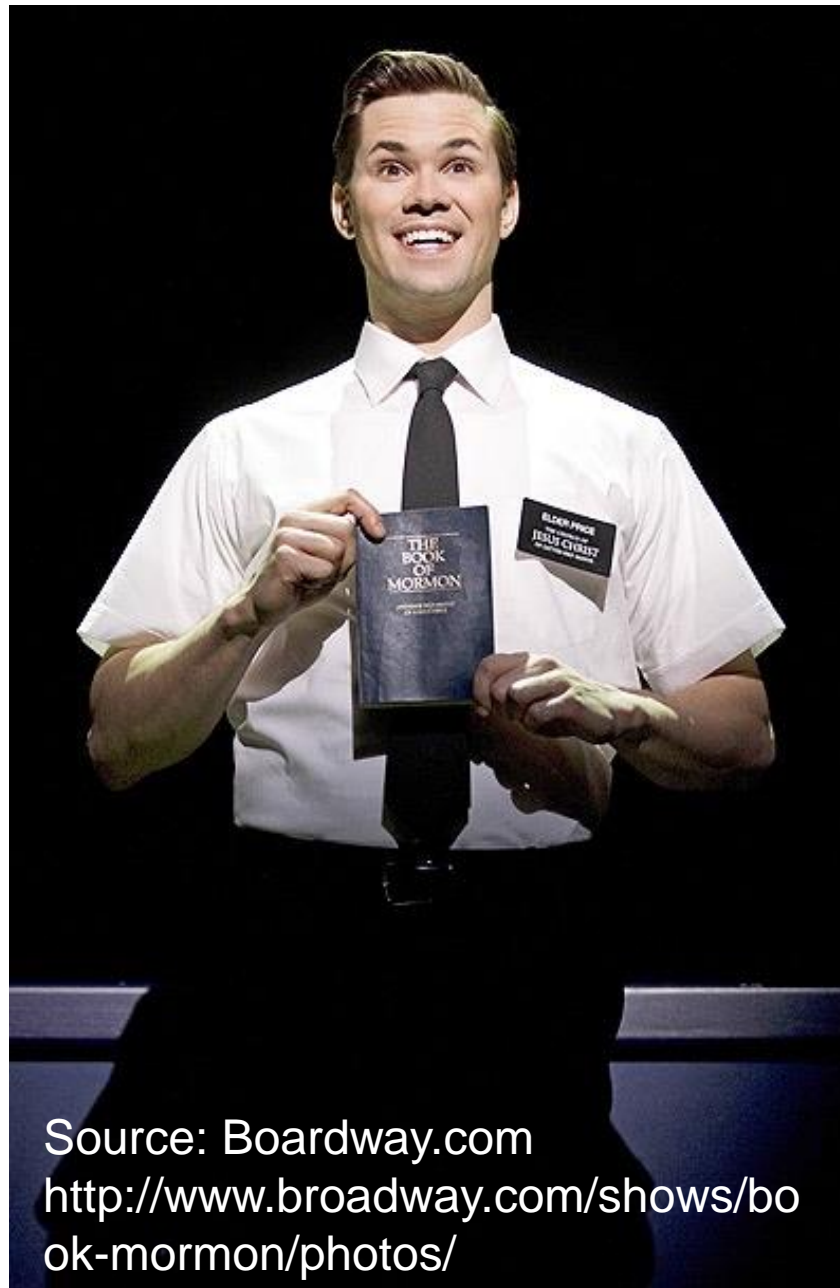
late Middle English: from Latin *incentivum* 'something that sets the tune or incites', from *incantare* 'to **chant** or **charm**'.

# My conceptual definitions of Incentivise

- Evangelise
- Demonstrate
- Persuade
- Cajole
- Coerce
- Beg
- Terrify

# Operationalising concepts (tactics)

- Evangelise— it really is the best thing since.... You need it in your life
- Demonstrate – Look at this ...you'll want one too!
- Persuasion/cajole – it'll make you look good
- Encouragement – go on, be an early adopter!
- Coerce – you should be ...everyone else is. You'll look bad if you don't...
- Beg – Please, it will help us enormously



Source: Boardway.com  
<http://www.broadway.com/shows/book-mormon/photos/>





# Who needs incentivising?

Survey owners and producers

Researchers sharing data

Publishers of data

One's own organisation

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# Survey producers

- UK Data Service (very) short brochure
- Closer portal
- Making survey metadata reusable across the lifecycle
- LifeStudy plans



# Short brochure for survey products

- Worked closely with data owners and producers
- Existing information too complex
- What is really expected!
- Transferrable information
- Not a bible



# Sticks?

- Specify data documentation requirements in the commissioning tender for fieldwork

## Example

The Centre for Longitudinal Studies (CLS) currently commissions the national cohort studies: the Millennium Cohort Study; the National Child Development Study; the 1970 British Cohort Study and the Longitudinal Study of Young People in England. CLS has started to expect as a deliverable the Computer Assisted Interviewing (CAI) implementation as a Data Documentation Initiative (DDI) compliant XML file, and a file that maps the CAI question to the data variables.

- Mapping between questions and data outputs
- Improved readable questionnaire for end users

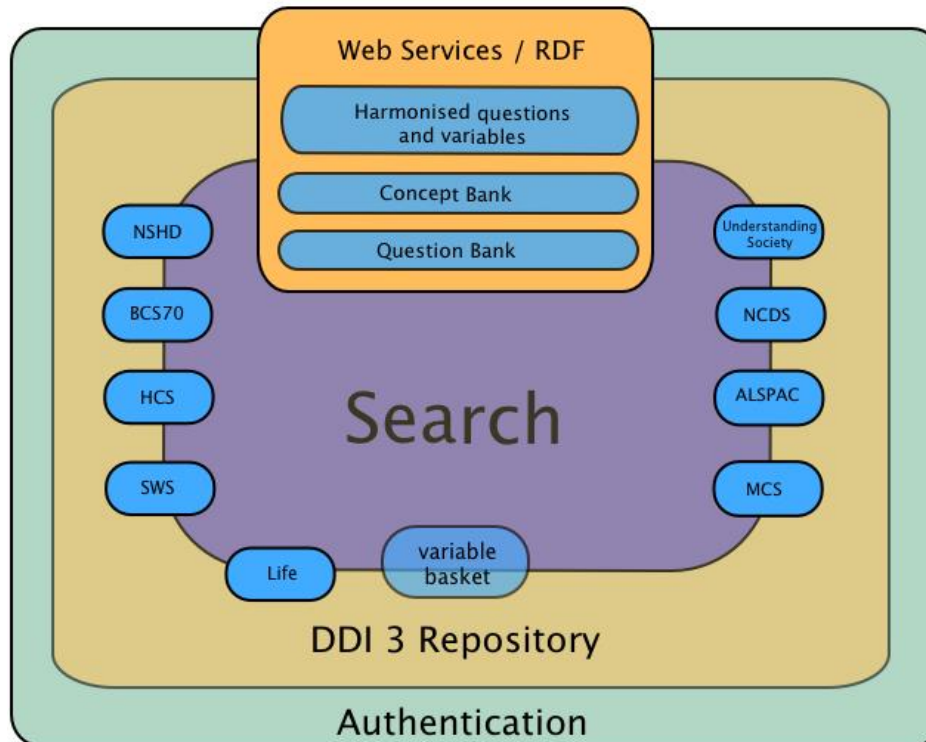
# CLOSER project

- ESRC/MRC jointly funded discovery service
- 9 long-running birth cohorts & longitudinal studies
- Drivers for project
  - Harmonisation (biomedical, socio-economic)
  - Capacity building
  - Data Linkage
  - Impact
  - Discovery
- Encourage use of existing data resources



# Impact and discovery

- DDI 3.2
- Colectica Repository, SDK and Portal
- CADDIES questionnaire entry tool (CLS)
- Manual entry & controlled workflow



# CLOSER Incentives

- Jane Elliot key incentive to getting key studies on board
- And some £££
- CLS did all the enhancement work
- Data managers
  - ✓ happy to be part of peer group
  - ✓ rewarding to go back and look at data
  - ✓ liked a shared controlled vocabulary
  - ✓ received Colectica training and local installation
  - ✓ variable to questionnaire mappings useful
  - ✓ liked visibility of their study in the CLOSER platform



# Incentivising established survey PIs

- Challenge – to get established/ older PIs to recognise the benefits of enhancing metadata
- Midlife study in the US (MIDUS) quite unique!
- Help them ‘See the light’
- For this we need to show something very cool



**A1PD1**

➤ 8 REFUSED/MISSING

➤ 9 INAPP

## Variable Details

### Concept

Perceived satisfaction





### qstnLit

At present, how satisfied are you with your LIFE? Would you say A LOT, SOMEWHAT, A LITTLE, or NOT AT ALL?

### preQTxt

And now a few questions about you.

## Appears Within

- +  Studies (1)
- +  Series (1)
- +  Variable Groups (3)
- +  Data Files (1)

## Ratings

Rating:

Be the first to rate this item.

*My Rating*



# Survey production lifecycle

- Beset with manual processes
- Legacy systems
- Reluctancy to change or adapt systems
- Hard to embrace new ways – disruptive



# Typical process

- Manual questionnaire entry (doc/excel/database/XML)
- Export to word
- Deliver to survey agency
- Transfer to SPSS Data Collection
- Export SPSS and PDF/word questionnaire




# Metadata publishing

- Data documentation systems and question banks
- Data exploration systems
- Hard to match up **Q and Variable** information
- So much manual work
- Must do better....



# Published outputs – online access

UK Data Service



Delivering quality social and economic data resources











Contact UK Data Service

Disclaimer

DESCRIPTION

TABULATION

ANALYSIS



About the UK Data Service

Nesstar Catalogue

Research Datasets

Teaching Datasets

Avon Longitudinal Study of Parents and Children, Sampler Datasets

British Cohort Studies

British Household Panel Survey

British Household Panel Survey: Waves 1-13, 1991-2004: Teaching Dataset (Time Use, Leisure and Social Memberships)

British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Social and Political Attitudes)

British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Work, Family and Health)

Metadata

Study Description

Bibliographic Citation

Study Scope

Methodology And Processing

Data Access

Other Study Description

Materials

Data Files Description

bhps\_sampler

Variable Description

Classification: Fixed Attributes

Classification: Variable Attributes

Wave 1

Administration

Household

Economic Activity

Parents Employment History

Health and Health Behaviour

Health over last 12 months - Wave 1

Dataset: British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Work, Family and Health)

Variable ahlstat: Health over last 12 months - Wave 1

LITERAL QUESTION

Please think back over the last 12 months about how your health has been. Compared to people of your own age, would you say that your health has on the whole been excellent, good, fair, poor or very poor?

Values	Categories	N	
-1	Don't know	6	0.1%
1	Excellent	2835	28.6%
2	Good	4473	45.1%
3	Fair	1801	18.2%
4	Poor	601	6.1%
5	Very poor	195	2.0%
-10	Respondent absent this wave	0	
-9	Missing or wild	1	
-8	Inapplicable	0	
-2	Refused	0	


SUMMARY STATISTICS

Valid cases 9911

Missing cases 1


This variable is numeric

# Published outputs – question bank



Discover > Variables

Variable and question bank

My Variables 

Discover

- Variable and question bank

QualiBank

Series	+
Survey	+
Country	+
Date	+
Data collector	+
Question: Harmonised set	+
Question: Intent	+


Search and browse variables and questions from survey datasets.

health GO

[Reset filters](#) | [Clear search](#) | ☐ Search only question text/responses | ☒ Auto-complete | [Help](#)

Sorted by: Relevance

1 2 3 4 5 ▶▶


 [hhltw : Health limits type or amount of work - Wave 8](#) [Add to My Variables](#)

**Question Text:** Does your health limit the type of work or the amount of work you can do?

**British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Work, Family and Health)** [View all instances of this variable](#)

[+ View responses...](#)

---


 [fhltw : Health limits type or amount of work - Wave 6](#) [Add to My Variables](#)

**Question Text:** Does your health limit the type of work or the amount of work you can do?

**British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Work, Family and Health)** [View all instances of this variable](#)

[+ View responses...](#)

---

 [khltw : Health limits type or amount of work - Wave 11](#) [Add to My Variables](#)

**Question Text:** Does your health limit the type of work or the amount of work you can do?

**British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Work, Family and Health)** [View all instances of this variable](#)

# High Level GSIM

## Questionnaire design

- Questionnaire Specification / implementation validation
- Output validation
- Questionnaire capture

## Data output

- Data editing / cleaning
- Output definition

## Data ingest

- Data validation
- Business rule validation
- Security implementation

## Data processing

- Business rule validation
- Harmonisation

## Data output

- Question / data mapping
- Questionnaire Documentation
- Data documentation

## Data Archiving

- Questionnaire Documentation



# High Level Statistical Model - GSIM

## Questionnaire design

- Questionnaire Specification / implementation validation
- Output validation
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## Data output

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- Questionnaire Documentation
- Data documentation

## Data Archiving

- Questionnaire Documentation
- Data documentation





# Gentle XML

- ISER – bespoke Questionnaire Specification Language
- Blaise – import by Michigan Questionnaire Documentation System (MQDS) DDI 3
- CLS using metadata (DDI 2.5)
- CLOSER using DDI 3.2 profile
- UK Data Archive – published metadata (DDI 2.5)

# USC Davis Center for Global Aging Research

Welcome | [Please Register](#) or [Login](#)

## GATEWAY TO GLOBAL AGING DATA

Surveys	Topics	Graphs	Download	Create	Read		Help	About Us
at a Glance	at a Glance	and Tables	Data and More	Analysis Data	Literature			

## Welcome to the Gateway to Global Aging Data

Please **Login** for Carts

or [Register](#) to get an account.

Welcome to our new site. We have changed our name to the Gateway to Global Aging Data and moved our site to [g2aging.org](http://g2aging.org). If you previously had an account with us, you will need to re-register as a user. Please enjoy all the features of our new site.

### About the Gateway

The Gateway to Global Aging Data is a platform for population survey data on aging around the world. This site offers a digital library of survey questions, a search engine for finding comparable questions across surveys, and identically defined variables for cross-country analysis.

[Learn More](#)



### What's New

- Slides from 2014 Partner's Harmonization Workshop
- Version C of the Harmonized ELSA available
- Introduction to the Gateway to Global Aging Data Webinar
- Check out our booth at this years GSA Conference

[Surveys](#)

at a Glance

[Topics](#)

at a Glance

[Graphs](#)

and Tables

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Data and More

[Create](#)


Analysis Data

[Read](#)

Literature

[Help](#)[About](#)[Home](#) » [Create Analysis Data](#) » [ELSA](#) » [ELSA 2002](#) » [HE. Health](#) » [HEHELP](#)Please **Login** for Cartsor [Register](#) to get an account.

## HEHELP

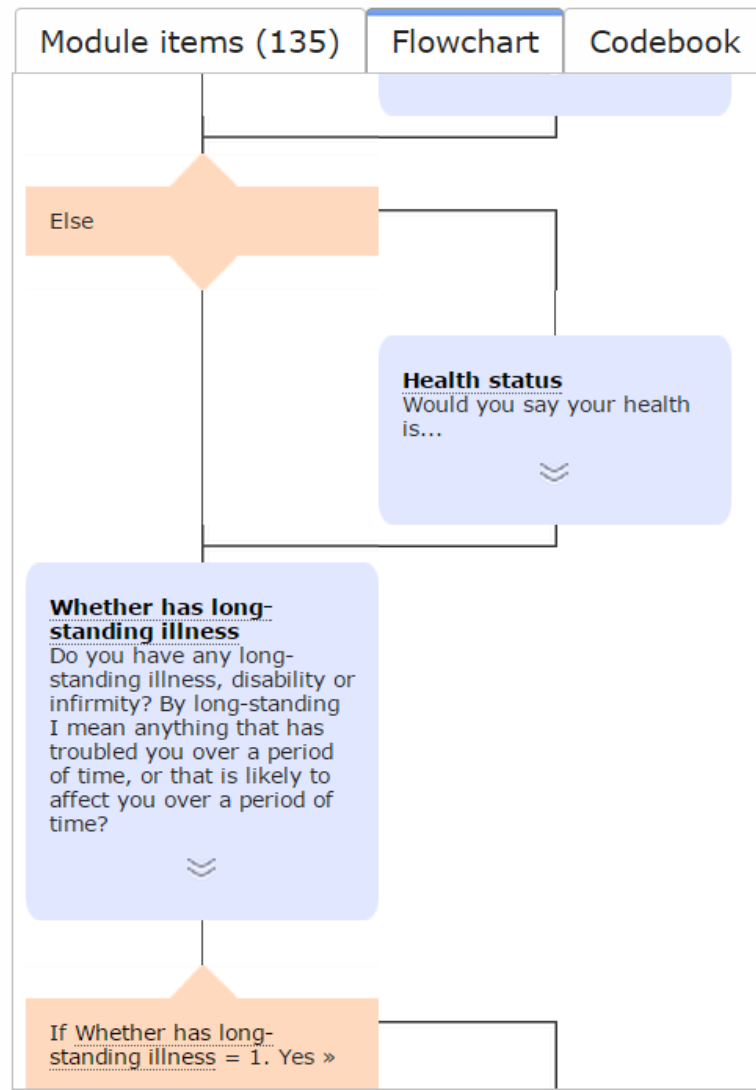
**Location:** [ELSA](#) » [ELSA 2002](#) » [HE. Health](#)**Description:** Health status**Item type:** Question**Question text:** Would you say your health is...**Answer type:** Enumerated**Answer choices:**  
1. Excellent,  
2. Very good,  
3. Good,  
4. Fair,  
5. Or, poor?**Harmonized measure:** This item is used in a [Harmonized survey](#).**Associated variables:** [hehelp](#) **Flowchart:** [locate in flowchart](#)**Topics:** [health in general](#)**Concurrent items:** [HEHELP](#) (ELSA 2008), [HEHELP](#) (ELSA 2006), [HEHELP](#) (ELSA 2004)[« previous item \(HEGENH\)](#) | [next item \(HEILL\) »](#)

### User Comments:

Be the first to comment!

[Log in](#) or [register](#) to comment.

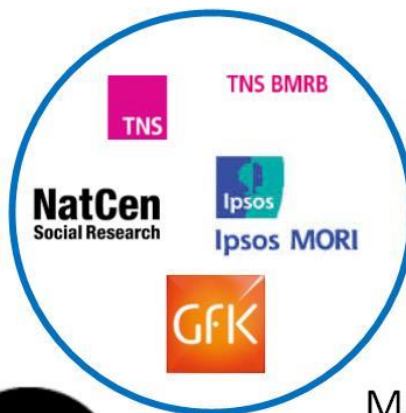
The Health module concerns the respondent's state of health, functional limitations, and health behaviors. The main subsections are including self-reported general health, longstanding illness and limiting longstanding illness, eyesight, hearing, walking, awareness of disease, chronic diseases and psychiatric problems ever diagnosed by a doctor, falls, fractures sustained as a result of falls, joint replacement, dizziness, respiratory symptoms, urinary incontinence, disability and functioning, receipt of formal and informal care in connection with IADLs, health behaviors including smoking, drinking, fruit and vegetable consumption, and self-report of level of physical activity.



# Survey Metadata: Barriers & Opportunities

## Workshop: 26 June 2014

University Departments  
and Centres



Market research  
organisations



Software suppliers  
and vendors



# Meeting outcomes

- Great turn out and knowledge exchange!
- Even... some excitement
- Turn around of principles – quickly
- Tweeting getting good responses
- Planning meetings with UK-IBM and smaller vendors
- Please be an advocate!



## Survey Metadata Reusability and Exchange: A Call to Action for Questionnaire Documentation

Last Updated: Wed, 2014-11-05 15:06 — ddiadmin

[View Endorsements](#)[Add Endorsement](#)

**Produced by the “Survey Metadata: Barriers and Opportunities” Meeting  
June 26, 2014, London**

**Issued 31 October, 2014**

*This collaborative statement calls upon the survey design, production and archiving communities to take leadership in facilitating survey metadata exchange through adoption of shared metadata standards for questionnaire and data description.*

### Background

### Statement of Shared Principles for Survey Metadata Reusability and Exchange

Currently there are some obstacles in creating good structured documentation for data that complies with international gold standards for enabling use and longer-term re-use.

The journey from questionnaire design using commercial software to Computer Assisted Interviewing (CAI) delivery in the field, and to delivery of data to owners and archives is currently inefficient and error-prone. The metadata journey from owner to producer back to owner and to archive continues to use



# New Life Study



- UK-wide birth cohort study
- Data, environmental and biological samples
- Study design
  - 60,000+ pregnant mothers and their partners recruited through selected maternity units
  - birth component - nationally representative sample of 20,000 babies recruited through the birth register
- Biological samples
  - from the mothers and their partners and babies
  - at delivery – ‘cutting-edge’ samples - relevant to assessment of infection, immunity and the microbiome



# Life Study survey design

- Much thought upfront about reusability of questionnaire metadata
- New cohort study, so opportunities
- Bespoke data collection system using XML schema
- Incentivised by previous (local) poorer metadata practice

# Researchers ...messy long-tail data

- 20 years of dreaded Data Policy
- Self-deposit repository
- Jisc Managing Research Data Programme  
local pilots and activities
- Review of data and incentives

# ESRC research data policy

*Research data should be openly available to the maximum extent possible through long-term preservation and high quality data management.*  
(ESRC Research Data Policy, 2010)

- ESRC grant applicants planning to create data during their research include a [data management plan](#)
- ESRC award holders offer their research data to UK Data Service within three months of the end of their grant

*Researchers who collect the data initially should be aware that ESRC expects that others will also use it, so consent should be obtained on this basis and the original researcher must take into account the long-term use and preservation of data.* (ESRC Framework for Research Ethics, 2012)

---

# UK Data Service ReShare

<http://reshare.ukdataservice.ac.uk/>

- A platform for sharing research data
- Data produced by UK social science researchers, and data of interest to social science researchers



# Easy to publish and upload data

Logged in as Louise Corti Logout UK Data Service home Help About FAQ Contact

UK Data Service  
ReShare



My data

Home

Legal

Review procedures

## Edit collection: [Data Collection #851515](#)

Terms and conditions → Award details → People → Data collection → Upload → Deposit

To deposit a data collection, you must accept the [ReShare Terms and Conditions](#).

- I confirm that I am the owner of the copyright and associated intellectual property rights in the whole Data Collection or am otherwise lawfully entitled to grant this licence on behalf of each and every owner;
- I grant a non-exclusive, royalty-free licence to the UK Data Archive (a department of the University of Essex and not a separate legal entity) of Wivenhoe Park, Colchester, CO4 3SQ (the "University") to hold, make copies of, and disseminate copies of the Data collection, in accordance with the access conditions I will specify when uploading data files: open data accessible to users without registration; or safeguarded data accessible to users registered with the data services provided by the UK Data Archive.

**\* I agree to the ReShare data deposit terms and conditions**

☐

Save for later

Cancel

Next >



**Collection period:** **Date from:** **Date to:**  
1 October 2008 30 September 2012  
**Country:** United Kingdom  
**Data collection method:** Collection of information from official documentation across several countries  
**Observation unit:** Organisations, Text units  
**Kind of data:** Alpha-numeric  
**Type of data:** Qualitative and mixed methods data  
**Resource language:** English

— Access and Administration

**Data sourcing, processing and preparation:** Information from various sources, including the International Bureau of Fiscal Documentation

<b>Copyright holders:</b>	<b>Name</b>	<b>Email</b>	<b>Affiliation</b>	<b>ORCID</b>
	Devereux, Michael	Unspecified	University of Oxford	Unspecified

<b>Contact:</b>	<b>Name</b>	<b>Email</b>	<b>Affiliation</b>	<b>ORCID</b>
	Devereux, Michael	michael.devereux@sbs.ox.ac.uk	University of Oxford	Unspecified

**Notes on access:** None

**Publisher:** Economic and Social Research Council

**Last modified:** 28 Apr 2014 22:42

AVAILABLE FILES

Data

+ CBT\_Tax\_database.xlsx

Documentation

+ CBT\_Tax\_database\_description.pdf



Variables:		
Name:	Format	Description
country	3 digit string	3 digit ISO Code
year	4 digit number	Calendar year (NOT fiscal year)
top_corp_tax_rate	Numeric, not in %	Top statutory corporate tax rate at central government level – excluding eventual surcharges, on distributed profits
surcharge	Numeric, not in %	Surcharges on corporate tax
local_top_corp_tax_rate	Numeric, not in %	Top statutory corporate tax rate at lower government levels
local_tax_deductible	Numeric, not in %	This variable takes value 0 if no local tax is applicable or local corporate tax payments are NOT deductible from central government corporation tax, 1 if local taxes are deductible from central taxes, e.g. 0.5 if 50 percent are deductible
local_is_average	Dummy	0 if no local tax or if the local tax of a particular place is used. 1 if the local corporate tax rate is an average of all provinces
local_is_typical	Dummy	0 if no local tax or if the local tax an average of all provinces. 1 if the local corporate tax rate is for a typical place (mostly economic capital)
total_corp_tax_rate	Numeric, not in %	Sum of federal tax rate, local tax rate taking into account surcharge and deductibility of local taxes



# Self-upload guidance....

- Lots of it...guides, webinars, hand-holding
- Still some poor metadata
  - file naming; data inventories; variable names
- Review criteria are explicit
- More comms work to do!
- Incentives coming through 'star' quality rating



# Guidance on data review

UK Data Service  
ReShare



[Home](#)

[Legal](#)

[Review procedures](#)

## ReShare Data Review Documentation

The UK Data Service reviews each data collection submitted to the ReShare repository for disclosure risk, copyright breaches, validity of file formats and level of documentation before publishing the collection. The quality or scientific validity of research data is not evaluated.

All numerical data files and at least a 10% random sample of textual data files are reviewed.

Non-English language data files are checked if a staff member of the UK Data Service is familiar with the language.

Any concerns, changes needing to be made to data files, or requests for additional documentation are communicated to the data depositor for actioning.

Data review comments and actions taken are noted in the data collection metadata record, as provenance information for the data collection.

### Review procedures

1. Generic project-level checks:

 [LOGIN](#)  
[REGISTER](#)



 [DISCOVER UK DATA  
SERVICE](#)



[GO](#)

☒ [Data](#)

☐ [Website](#)

**QUICK ACCESS TO**

[Deposit data collection](#)

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# Qualitative research metadata

- Years of evangelism!
- Qualitative metadata standard QuDEx
- Successful implementation in QualiBank
- Working with qualitative researchers
- DDI working group model



# Interview with Mr. Keble

Discover

Variable and question bank

QualiBank

Create citation

[Audio](#) | [Images](#) | [External resources](#) | [Collection documentation](#)

[Access this coll](#)

## DETAILS

Collection ID (SN):	2000
Title:	Family Life and Work Experience Before 1918, 1870-1973
Principal investigator:	Thompson, P., University of Essex. Department of Sociology Lummis, T., University of Essex. Department of Sociology
Sex:	Male
Age group:	65-74
Socio-economic status:	Semi-routine
Region:	East of England
Licence:	Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International Licence.



### Additional metadata

Idno:	2000int001
No. pages:	55
Placename:	Colchester, Essex
Date of interview:	1950
R marital status:	Married
R occupation:	Postman

## INTERVIEW TRANSCRIPT

## DETAILS

<b>Collection ID (SN):</b>	2000
<b>Title:</b>	Family Life and Work Experience Before 1918, 1870-1973
<b>Principal Investigator:</b>	Thompson, P., University of Essex. Department of Sociology Lummis, T., University of Essex. Department of Sociology
<b>Historical note:</b>	Movement of rural populations to urban centres led to the decline of many small-scale village tradesmen. However larger villages could still support business such as wheelwrights and blacksmiths that were central to the local economy.
<b>Image description:</b>	Three generations of a family pose for a photograph in front of the family home and business c.1904. Behind them are various works in progress for these wheelwrights including an urban district council wheelbarrow.
<b>Licence:</b>	<a href="#">Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International Licence</a> .



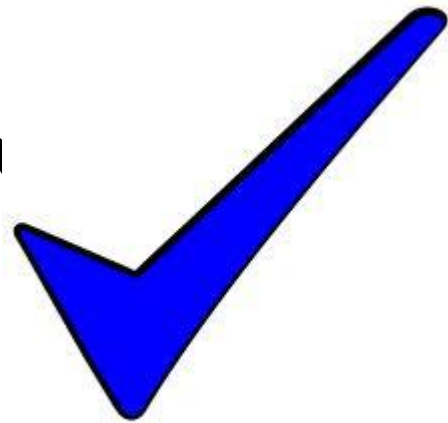
[+ Additional metadata](#)

## IMAGE



# Incentives

- QualiBank system very simple and appealing
- Usability easily understood
- Value of metadata appreciated
- Uptake of rich object-level metadata



# Data publishers

- Data Centres
  - Inspiring catalogues
  - Online browsing systems
- Institutional Repositories
- Journals
  - Transparency agenda and data review
- Worth investing in high quality



# Discover at UK Data Service



## Discover

### Discover

Variable and question bank

QualiBank

Type

☒ Data collections  
(6297)

☒ Series (64)

☐ Case studies  
(162)

☐ ESRC outputs  
(13377)

☐ Support / how to guides (170)

Refine

Subject

Date

Search and browse our data collections, support guides, case studies, and related publications.

Search our data catalogue and related resources

GO

Reset filters

Clear search

☒ Auto-complete

Help

Case study

Data collection

Series record

ESRC output

Support guide

## SEARCH RESULTS

Sorted by: Date (latest first)

Displaying 1-10 of 6361 results

1 2 3 4 5 ▶▶

**SN 2000087 National Awareness and Early Diagnosis Initiative: Cancer Awareness Measures**

### Description:

The purpose of the Cancer Awareness Measure (NAEDI-CAM) is to facilitate accurate and sensitive surveillance of public awareness of cancer over time, identify information needs,...

**SN 2000086 English House Condition Survey**

### Description:

The English House Condition Survey (EHCS) was a national survey of housing in England, commissioned by the Department for Communities and Local Government (DCLG). The survey was...

**SN 2000085 National Cancer Patient Experience Survey**

### Description:

UK Data Service



# Online instant data browsing

Nesstar      social surveys

UKDS.stat      aggregate global indicators

InFUSE      aggregate census data

QualiBank      qualitative data



Dataset: British Social Attitudes Survey, 2013

## Variable PartyIDN: R s political party identification :Q251

### LITERAL QUESTION

IF 'yes' AT [SupParty] OR AT [ClosePty]: Which one? IF 'no' OR DON'T KNOW AT [ClosePty]: If there were a general election tomorrow, which political party do you think you would be most likely to support?

Values	Categories	N	
1	Conservative	818	<div></div> 25.2%
2	Labour	1052	<div></div> 32.4%
3	Liberal Democrat	194	<div></div> 6.0%
4	Scottish National Party	55	<div></div> 1.7%
5	Plaid Cymru	15	<div></div> 0.5%
6	Green Party	34	<div></div> 1.0%
7	UK Independence Party (UKIP)/Veritas	181	<div></div> 5.6%
8	British National Party (BNP)/ National Front	28	<div></div> 0.9%
9	RESPECT/ Scottish Socialist Party (SSP)/ Socialist Party	6	<div></div> 0.2%
10	Other party (WRITE IN)	9	<div></div> 0.3%
11	Other answer (WRITE IN)	15	<div></div> 0.5%
12	None	581	<div></div> 17.9%
20	Refused to say	57	<div></div> 1.8%
98	Don't know	197	<div></div> 6.1%
99	Refusal	0	<div></div> 0.0%
-1	Not applicable	2	

### SUMMARY STATISTICS

Valid cases3242  
Missing cases2  
This variable is numeric

### INTERVIEWER INSTRUCTIONS

DO NOT PROMPT

### UNIVERSE

IF 'yes' AT [SupParty] OR 'yes', 'no' OR DON'T KNOW AT [ClosePty]

# Institutional Repositories

- Huge movement in UK. ££££ Jisc MRD Programme
- Pilots and some now set up and mature
- 2 years + to agree reach software and metadata requirements
- Lots of arguing over minimal requirements  
Politics – Funder or not?
- Lots of standing up and saying DDI



# data.bris repository

Social Sciences and  
Law

 **Social**

 Google+

 Twitter

 Facebook

 **License**

Non-Commercial  
Government License  
for public sector  
information

## 1834 Parisian deaf-mute banquet

<b>Alternative title</b>	Banquet des sourds-muets parisien 1834
<b>Creator(s)</b>	Michael Gulliver
<b>Funder</b>	Economic and Social Research Council
<b>Publication date</b>	15 Aug 2013
<b>Language</b>	eng
<b>Publisher</b>	University of Bristol
<b>DOI</b>	10.5523/bris.1ghwfnggawvoo1qyih0xomzemp
<b>Compressed dataset</b>	<a href="http://data.bris.ac.uk/datasets/1ghwfnggawvoo1qyih0xomzemp/1ghwf">http://data.bris.ac.uk/datasets/1ghwfnggawvoo1qyih0xomzemp/1ghwf</a>

# Research Data Registry and Discovery

- JISC pilot project to provide a coherent point of access to descriptions of UK research datasets
- Adapted Australian National Data Service (ANDS) software (ORCA) for [Research Data Australia](#)
- Metadata profiles used by data centres and institutional repositories mapped to [Registry Interchange Format – Collections and Services \(RIF-CS\)](#)
- Metadata imported via OAI-PMH or other modes



Search for Research Data



Advanced Search

Browse by Subject Area



Browse by Map Coverage



## What's in Research Data Australia



### Collections (99008)

Research datasets or collections of research materials.



### Parties (25701)

Researchers or research organisations that create or maintain research datasets or collections.



### Activities (40731)

Projects or programs that create research datasets or collections.



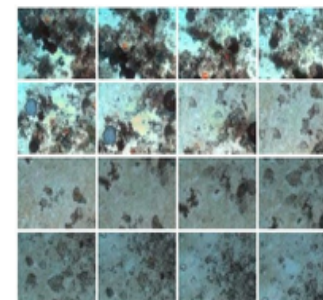
### Services (187)

## Spotlight on research data

### CATAMI:

#### Collaborative and Annotation Tools for Analysis of Marine Imagery and Video

In recent years, ecologists and biologists have increasingly relied on remote video and image-based methods to examine and monitor marine habitats, particularly those beyond easy diving depth. These data streams are currently being collected by the end user community at sites around Australia using modern image and video based tools including Baited Remote Underwater Video Systems (BRUVS), Autonomous Underwater Vehicle (AUV), Remotely Operated Vehicle (ROV) and Underwater Towed Video (UTV) systems. Transforming raw visual data into quantitative information useful for science and policy decisions requires substantial effort by human experts. The University of Sydney has led a collaborative project to develop common labelling standards, and to transform and collate existing datasets that support marine research across Australia. The result is CATAMI: an online data management and image annotation system for marine ecologists.



[Access the CATAMI service through Research Data Australia >>>](#)

UK Data Service



# PHP crosswalks

- [DDI Codebook 2.5](#)
  - UK GEMINI.2
  - OAI Dublin Core (oai\_dc)
  - EPrints (ReCollect) metadata export scheme
  - DataCite v3 from DataCite's OAI-PMH endpoint;
  - MODS V3.5 from DSpace-powered OAI-PMH endpoints
- 
- [RIF-CS not ideal](#)
  - CKAN being explored



# Incentivising new registry contributors

- Pilot repository as a showcase
- Recognition by new contributors of metadata requirements
- Poor metadata looks shoddy!
- Training useful



# Journals

- Science journals have data policies for data sharing
  - Science, Nature, PLOS ONE

“PLOS ONE will not consider a study if the conclusions depend solely on the analysis of proprietary data” ... “the paper must include an analysis of public data that validates the conclusions so others can reproduce the analysis.”
- BioMed Central [open data statement](#)
- Data underpinning publication accessible via a DOI
  - upon request from author
  - as supplement with publication
  - in public repository
  - in mandated repository (PANGAEA – Elsevier)



# Journals

- Social science needs some motivation
- American Political Science Association (APSA) Council - policies guiding data access and research transparency in political science
- Endorsement by journals
- Training in how to prepare and submit supporting data and sufficient metadata

# Peer review of data

- Data centres do this - but not for quality of methods
- Journals doing this - replicability agenda
- No one single standard for 'quality'
- Make metadata quality explicit:
  - Collection description
  - Data description: file and variable names & labels
  - Relationships between tables/files



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# Incentivising our staff

- Not so many into DDI
- ‘Language’ barrier
- CESSDA expert seminars to share problems
- Engage in data processing and producer relations work



# Some tips on incentivising



- Speak a common language
- On DDI, do say it is stable and offer one version only
- Start with the lowest common denominator. Baby steps
- Show value – shiny interfaces and examples!
- Where possible agree to help with the (initial) work
- Integrate into everyday workflows and research tools



# CONTACT

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