

# UKDA – Data Product Builder

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### **Data Product Builder**

#### What does it do?



Aggregations, crosstabs

# DPB Tool Powered by DDI-CDI (examples)

CDI Class	Class Association	Class Attribute	Function
ConceptualVariable	uses Concept		Enable dataset selection via semantic, geographical and temporal concepts
RepresentedVariable			Shared RepresentedVariables used for finding linkages between datasets
WideDataStructure	has MeasureComponent		Specify dataset filterable variables
RepresentedVariable	takesSubstantiveValuesFrom CodeList		Filter responses by category selection
ConceptualVariable	uses Concept		DPV concept - used to specify sensitive variables
InstanceVariable		variableFunction	Specify weight variable
ConceptualVariable	uses Concept		DPV concept - used to specify key variables to feed SDC analysis

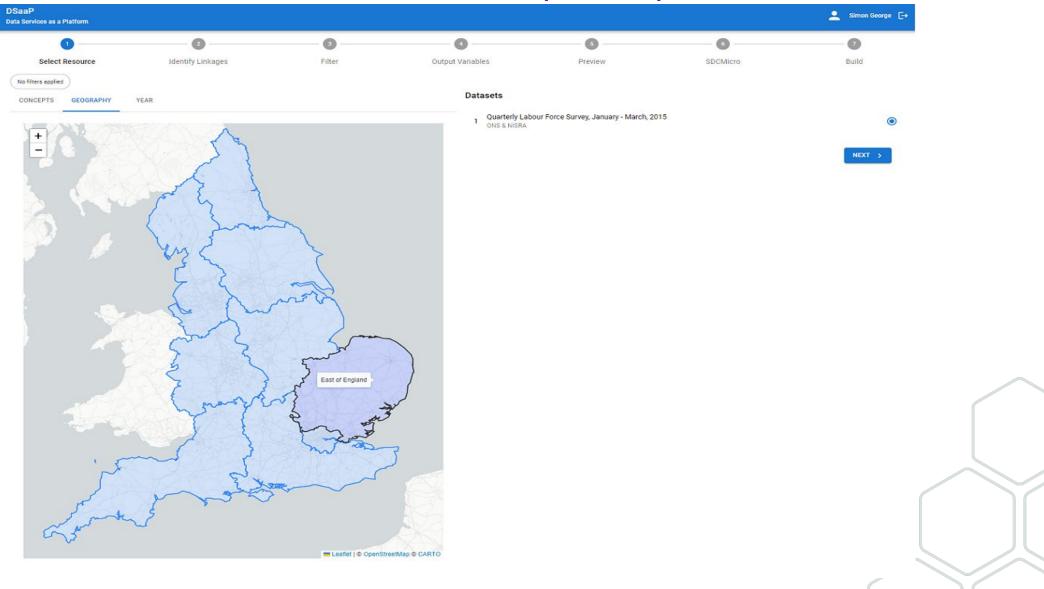
#### **DPB** – Dataset Selection

DSaaP Data Services as a Platform					Leirdre Lungley [→
0	2	3			6
Select Resource	Identify Linkages	Filter	Output Varia	ables Preview	Build
No filters applied CONCEPTS GEOGRAPHY YEA	٩R		Datasets		
Search			1 Index Multiple D MHCLG	eprivation	0
<ul><li>&gt; ABILITY</li><li>&gt; ACHIEVEMENT</li></ul>		*	2 Open Greenspac OS	2e	0
<ul> <li>ADMINISTRATION</li> <li>ADMINISTRATIVE AREAS</li> <li>ADMINISTRATIVE STRUCTURES</li> </ul>	5		3 Understanding S ISER	Society Teaching Dataset - Wave 8 (2018)	0
<ul><li>&gt; ADVICE</li><li>&gt; AGE</li><li>&gt; AGE GROUPS</li></ul>			4 Understanding S ISER	Society Teaching Dataset - Wave 9 (2019)	0
ANALYSIS  ANIMALS  ANTHROPOLOGY			5 Understanding S ISER	Society Teaching Dataset Time Diaries - Wave	9 (2019)
<ul> <li>ARMAMENT PROCESS</li> <li>ARMED FORCES</li> <li>ARTS</li> <li>ATTENDANCE</li> </ul>					NEXT >
<ul> <li>ATTITUDES</li> <li>BEHAVIOURAL SCIENCES</li> <li>BELIEFS</li> </ul>					
> BIOLOGY BUDGETS					
> BUILDING SERVICES		*			

### DPB – Dataset Selection (cont.)

DSaaP Data Services as a Platform					Deirdre Lungley [→
0	0	3		5	6
Select Resource	Identify Linkages	Filter	Output Variables	Preview	Build
CONCEPTS GEOGRAPHY	/EAR		Datasets		
HEALTH		×	Understanding Society Teaching I I ISER	Dataset - Wave 8 (2018)	0
GROUPS     HAZARDS, ACCIDENTS AND	DISASTERS	^	2 Understanding Society Teaching I ISER	Dataset - Wave 9 (2019)	0
<ul> <li>HEALTH</li> <li>ACTIVITIES OF DAILY LIVIN CHILD HEALTH HEALTH STATUS</li> <li>ILL HEALTH MEN'S HEALTH</li> <li>ORAL HEALTH</li> <li>ORAL HEALTH</li> <li>PUBLIC HEALTH</li> <li>REPRODUCTIVE HEALTH</li> <li>SEXUAL HEALTH</li> <li>SEXUAL HEALTH</li> <li>SEEP WOMEN'S HEALTH</li> <li>HEALTH PROFESSIONS</li> <li>HISTORY AND ASSOCIATED S</li> <li>HOUSEHOLDS</li> <li>HOUSING</li> <li>HUMAN BEHAVIOUR</li> <li>HUMAN RIGHTS VIOLATIONS</li> </ul>	STUDIES				NEXT >

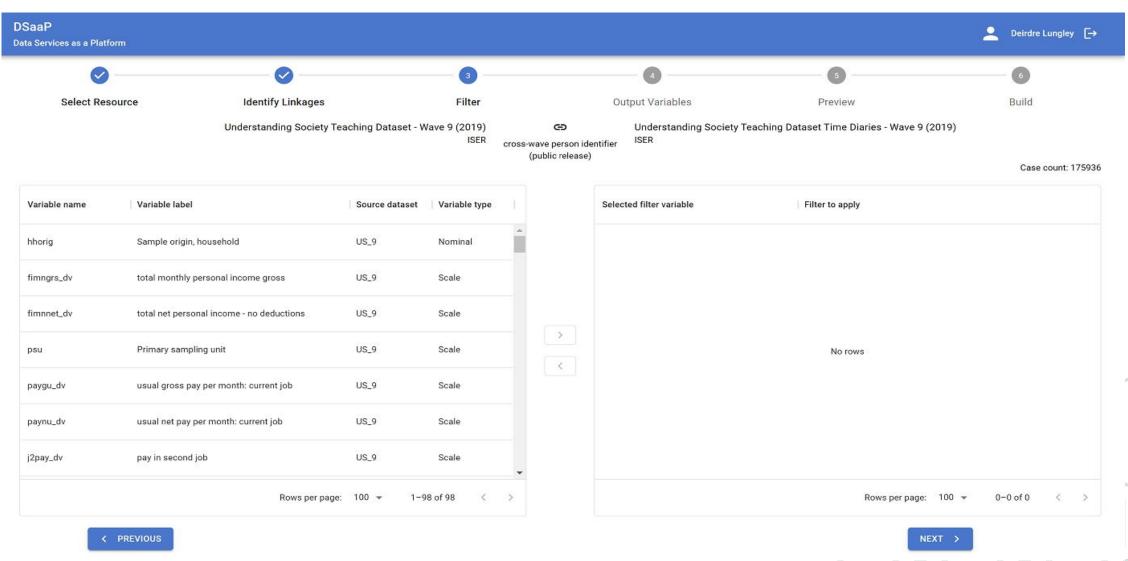
# DPB – Dataset Selection (cont.)



# DPB – Select Linkage

DSaaP Data Services as a Platform					L Deirdre Lungley [→
<b>Ø</b>	2	3		5	6
Select Resource	Identify Linkages	Filter	Output Variables	Preview	Build
Primary Datas	set	Potential Lin	kages		
Understanding ISER	Society Teaching Dataset - Wave 9 (2019)	Index Multip MHCLG	e Deprivation		
		Lov	ver-layer Super Output Areas (2011)		0
		Open Greens OS	pace		
		Pos	stcode; space included		0
		Understandir ISER	ng Society Teaching Dataset - Wave 8 (2018)		
		cro	ss-wave person identifier (public release)		0
		Understandir ISER	ng Society Teaching Dataset T <mark>i</mark> me Diaries - Wa	ve 9 (2019)	
		cro	ss-wave person identifier (public release)		0
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#### **DPB - Filterable Variables**



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### **DPB – Filter Responses by Category Selection**

DSaaP Data Services as a Platform						_ Deirdre Lungley [→
0		3		•	6	6
Select Resource	Identify Linkages Understanding Society Teach	Filter ing Dataset - Wave 9 (2019) ISER	CD cross-wave person ide (public release)	entifier ISER	Preview y Teaching Dataset Time Diaries - Wave 9 (2019)	Build Case count: 175936
Variable name Varial	ble label 🔻	Source dataset Variable ty	pe	Selected filter variable	Filter to apply	
gor_dv Gover	rnment Office Region	US_9 Nominal		Government Office Region		*
			× <		E12000004 - East Midlands E12000006 - East of England E12000007 - London E12000001 - North East E12000002 - North West N99999999 - Northern Ireland S999999999 - Scotland E12000008 - South East E12000009 - South West W999999999 - Wales	
1 row selected	Rows per page:	100 ▼ 1-1 of 1 <	>		E12000005 - West Midlands E12000003 - Yorkshire and the Hu	mber

#### **DPB – Sensitive Variables**

DSaaP Data Services as a Platform						Leirdre Lungley [→
0		3			6	6
Select Resource	Identify Linkages	Filter	Ou	itput Variables	Preview	Build
	Understanding Society Teaching D	ataset - Wave 9 (2019) ISER	CD cross-wave person identifier (public release)		Teaching Dataset Time Diaries - Wave 9 (2019)	

Case count: 17846

Variable name	Variable label	Source dataset	Variable type		s	elected filter variable	Filter to apply	
grpbfts	Group benefit from voting	US_9	Nominal	*	G	Sovernment Office Region	E12000006 - East of England	
perbfts	personal benefit in voting	US_9	Nominal					
ocds	Postcode; space included	US_9	Nominal		>			
Isoa	Lower-layer Super Output Areas (2011)	US_9	Nominal		<			
laua	Local Authority	US_9	Nominal					
distmov_dv	Distance participant moved since last wave (km)	US_9	Scale					
addrmov_dv	Participant changes address postcode since last	US_9	Nominal	-				
1 row selected	Rows per page:	100 👻 1-	98 of 98 <	>			Rows per page: 100 👻 1-1 o	f1 <



## DPB – Weight Variable

as a Platform						<b>.</b> •
<b>Ø</b>	<b>⊘</b>		4	6	6	- 7
Select Resource	Identify Linkages	Filter	Output Variables	Preview	SDCMicro	Build
		Qu	arterly Labour Force Survey, January - March, 20	15		
			ONS & NISRA		Case count: 9594	1
	Uariable name	Variable label			Source dataset	
	METHM	Main method of looking	for work		LFS_15_Q1	
	□ NOLWM	Main reason not looking	for work		LFS_15_Q1	
	PIWT18	Income weight 2018			LFS_15_Q1	
	PWT18	Person weight 2018			LFS_15_Q1	
	REFDTE	Reference date			LFS_15_Q1	
	THISWV	Wave to which data refe	rs		LFS_15_Q1	
	TYPINT TYPINT	Type of Interview			LFS_15_Q1	
	4 rows selected			Row	s per page: 100 ▾ 1-27 of 27 < >	
		Type of Interview		Row		• f 27 < >

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# Disclosure Risk Analysis Demo







# Thank you.

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