

The Consumer Data Research Centre: Our resources for investigating obesity in the UK

Dr Michelle Morris
Consumer Data Research Centre &
School of Medicine, University of Leeds

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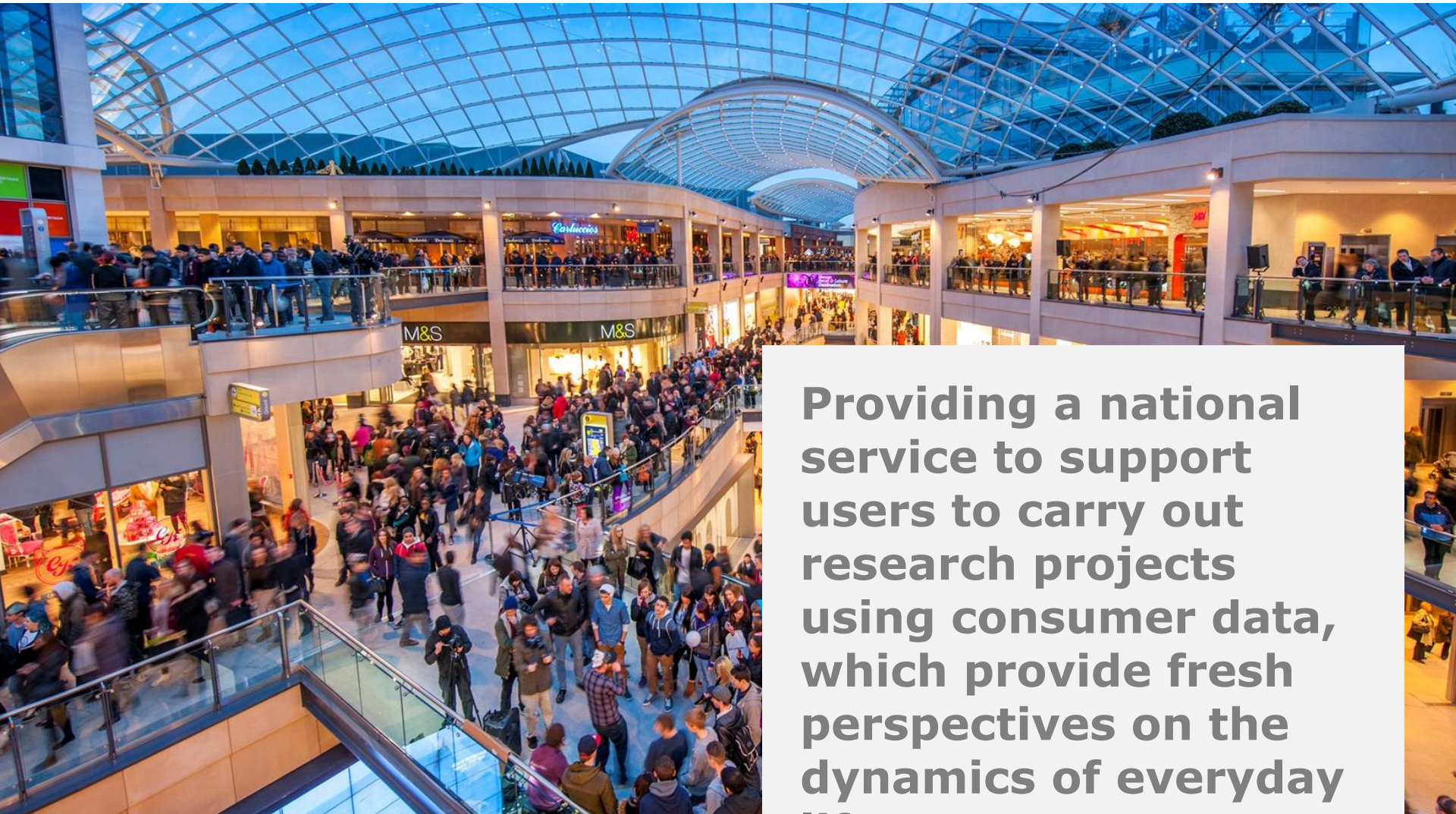




Consumer
Data
Research
Centre

An ESRC Data
Investment

Introducing CDRC



Providing a national service to support users to carry out research projects using consumer data, which provide fresh perspectives on the dynamics of everyday life.



How many of you have used or heard of the CDRC?

Yes – used the CDRC

Yes – heard of the CDRC

No



Collaborative projects help to:

- Provide context to problems
- Devise novel solutions
- Understand customer behaviour
- Discover new opportunities
- Improve effectiveness of operations



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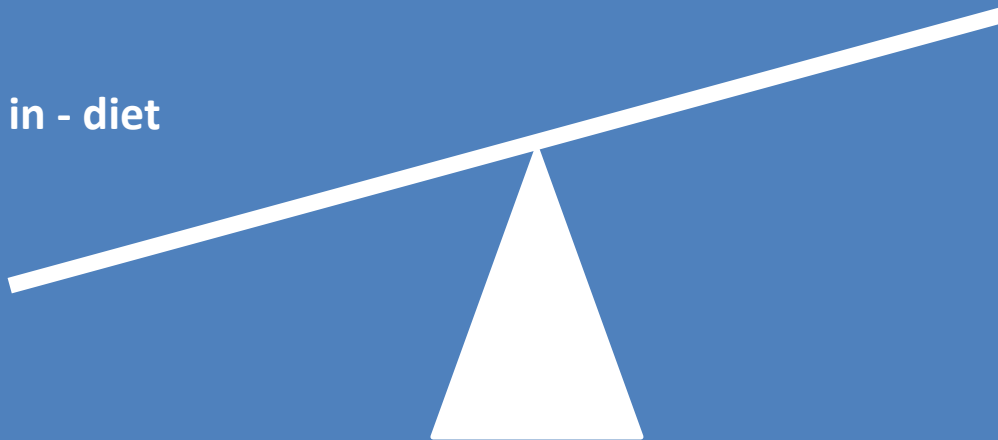
UK Women's Cohort Study



Regional Transport Provider
Youth Banking Card Provider
Domestic Energy Provider
High Street Retailer

Energy in - diet

Energy out – physical activity





UK Women's Cohort Study




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Consumer Data Research Centre



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London

Southend-On-Sea


CDRC Map of The Month: Top Industry of E

CDRC Data statistics

12	46	27.8 GB	45.7 k
topics	products	data	downloaded

Welcome to CDRC Data

We are an academic led, multi-institution laboratory which discovers, mines, analyses and synthesises consumer-related datasets from around the UK. The CDRC is an ESRC Data Investment.



A Focus On ...

London Output Area Classification

The London Output Area Classification (LOAC) was created

Latest Secure/Safeguarded Datasets

County Court Judgements Safeguarded

Aggregated County Court Judgement Records from 2001 for England and Wales and from 2008 for Scotland. Scale: Region (13 areas); Local Authority (408 areas); Electoral Wards...

WhenFresh/Zoopla Property Rentals and Associated Migration Secure

This data relates to property rentals and associated migration within the UK for 2014 and 2015. It covers 0.5m rental listings from major UK property portals. It has been...

WhenFresh/Zoopla Property Transactions and Associated Migration Secure

This data relates to property transactions and associated migration within the UK for 2014 and 2015. It covers 1.8m property listings from major UK property portals. It has been... [more...](#)

Popular Datasets

CDRC 2011 Workplace Zone Census Geodata Pack: Southampton (E06000045)

Open 🔥

This census data pack provides 2011 Census workplace zone estimates for the Local Authority District: Southampton (E06000045). The estimates are as at census day, 27 March 2011....

Data Profile: Active Inspiration – Activity Data

Introduction

This data profile describes a dataset held by the CDRC which has been supplied by Active Inspiration, creators of the Bounts app. Bounts is a free, innovative and popular lifestyle and fitness app (iOS and Android) which incentivises and challenges its members to be more active. Users can track steps in the app or connect it to a fitness tracker. Users can join challenges to unlock vouchers, sports goods, exclusive experiences and much more.

The dataset comprises primarily the activity data, which includes activity episodes recorded in the app or from fitness trackers and comprises pseudonymised data at the user level, of which the fields are detailed below.

Scale and Extent

Field	Value
Data Provider	Active Inspiration
Analytical Units	See "Field Level Metadata"
Data Format	CSV
Temporal Extent	01/01/2016 – 17/01/2017
Geographical Extent	United Kingdom
Variables	See "Field Level Metadata"

Data Classification and Access Summary

The Activity and User data are classified as Safeguarded and are available only upon approved application.

To make an initial application, please visit:
<https://www.cdrc.ac.uk/data-services/using-our-data/>

Content

The dataset contains pseudonymised identifiers as opposed to identifiers supplied by Active Inspiration. The dataset also benefits from an extensive level of data at the user level: the activity data (of which there are over 9 million records) refers to instances that users carried out exercise and information surrounding that, whereas the user data (539979 records) refers to information on the individual users, as is detailed below.

Novelty

The data are representative of a new kind of crowd-sourced data which are generated from self-monitoring of exercise and activity patterns through mobile devices. Very few studies have explored the patterns of movement, activity and exercise which are revealed by data of this type, largely due to lack of availability. The availability of a postcode link might allow user patterns to be profiled by geodemographic

Safeguarded Activity Data

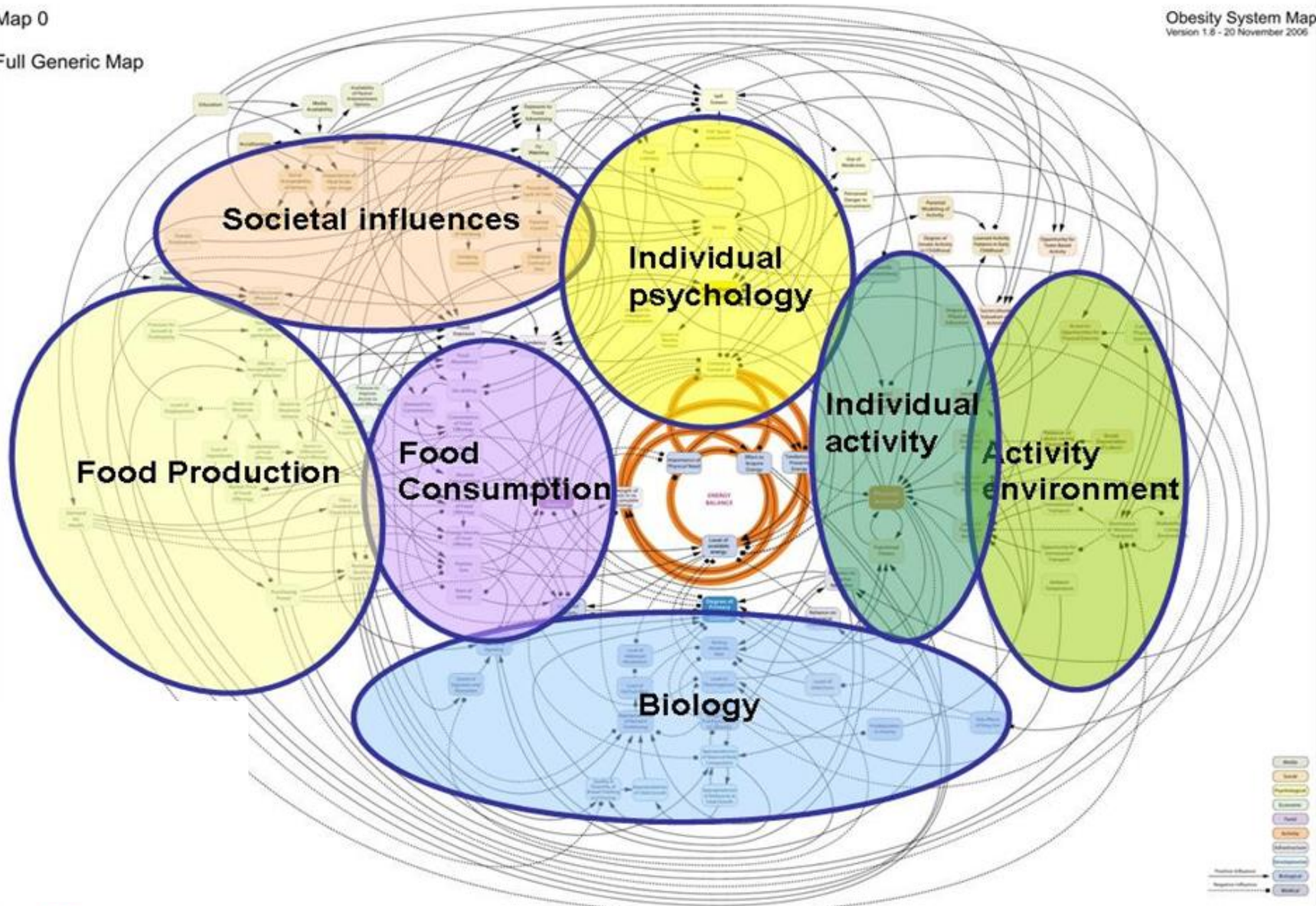
Field Name	Data Type	N=*	Missing Data*	Note(s)
PseudoUserID	Int	9686803	0%	Pseudonymous user ID generated by LIDA based on the original UserID
Date	datetime	9686803	0%	Format: DD/MM/YYYY 00:00
App_Source	varchar(max)	9686803	0%	Source for the activity recorded. Including: Fitbit (5237326 hits), Bounts App (1405840), Garmin (369439), Moves app (316800), Jawbone (149684), MapMyFitness App (120003), Google Fit (95474), Misfit (21037), Apple watch (18467)
Distance_Travelled(m)	float	7424212	23.36%	Metres
Activity_Type	varchar(max)	9686803	0%	Including: biking, boating, cardio, checkin, climbing, commute, cross-trainer, cross-training, curling, cycling, dance, dancing, diving, elliptical, fitbug, fund, games, gaming, generic, hiking, hunting, jumping, kayak, longboarding, mayor, meps, mountaineering, move, other, paddle, pilates, plyometrics, rafting, retro, riding, rollerblading, rowing, running, sailing, scanning, shooting, skating, skiing, snowboarding, snowmobileriding, snowshoeing, spinning, sports, sprints, stationary-bike, surfing, swimming, transport, wakeboarding, walking, wheelchair, workout, yoga, zoscheckin
Activity_Duration(s)	int	8068146	16.71%	Seconds
Steps	int	7734519	20.15%	Number of steps
Meps	varchar(max)	34838	99.64%	MYZONE effort points – Calculated using the MYZONE system which converts heart rate, calories, and time exercising into points
Average_Speed_(km_h)	float	7174576	25.93%	Metres per second

Whole Systems Approach

Map 0

Full Generic Map

Obesity System Map
Version 1.6 - 20 November 2006



Whole Systems Approach



Domestic Energy Provider

Regional Transport Provider

Data Profile: CAMEO – Analysis Data

Introduction

This data profile describes a dataset held by the CDRC which has been supplied by Callcredit Information Group.

Callcredit Marketing Solutions has a wide range of consumer postcode classifications available for both the UK and abroad. This document outlines some of the UK systems available. The CAMEO Analysis Suite provides the six CAMEO Classifications with a wealth of expanded data variables provided as postcode indicators for analysing and segmenting customer databases. These datasets include:

- CAMEO UK Analysis providing additional data on demographics, household composition, lifestage, economic activity and tenure.
- CAMEO Financial Analysis providing data on county court judgement activity.
- CAMEO Income Analysis providing additional data on directors, millionaires, social class, occupation, presence of mortgage and house size.
- CAMEO Investor Analysis providing additional data on shareholdings in terms of shares held, value of shares and number of companies invested in.
- CAMEO Unemployment Analysis providing additional data on economic

Scale and Extent

Field	Value
Data Provider	Callcredit Information Group
Analytical Units	Postcode
Data Format	CSV
Temporal Extent	March 2016
Geographical Extent	United Kingdom
Variables	18
Observations	1873068

Citation Information

The following statement should be included when citing the use of this dataset:

"The data for this research have been provided by the Consumer Data Research Centre, an ESRC Data Investment, under project ID CDRC [Project Number], ES/L011840/1; ES/L011891/1"

Data Classification and Access Summary

Can big data solve a big problem? The obesity data landscape reported in line with the Foresight obesity system map

Morris *et al* International Journal of Obesity **42**, 1963-1976 (2018)

How has big data contributed to obesity research? A review of the literature

Timmins *et al* International Journal of Obesity **42**, 1951-1962 (2018)

A Delphi study to build consensus on the definition and use of big data in obesity research

Vogel *et al* International Journal of Obesity – In press, available online

m.morris@leeds.ac.uk



[@drshellm](https://twitter.com/drshellm)

[@obesity_network](https://twitter.com/obesity_network)

[@LIDA_UK](https://twitter.com/LIDA_UK)

www.cdrc.ac.uk

- Rebecca Hardy

rebecca.hardy@ucl.ac.uk

- Vanessa Higgins

vanessa.higgins@manchester.ac.uk

- Michelle Morris

m.morris@leeds.ac.uk