Building Class

Description: Building class derived as a part of the morphometric analysis of the built environment that was conducted by the Cochrane Institute of Primary Care and Public Health, Cardiff University.

The building classes in terms of age and type (such as height, terraced, size) were extracted for the geocoded UK Biobank participants' residences. There are 9 age (i.e. age of the building) categories and 19 type categories in this dataset.

For more information and detailed description of the methodology and variables please refer to the 'MORPHOMETRIC ANALYSIS OF THE BUILT ENVIRONMENT IN UK BIOBANK: DATA ANALYSES AND SPECIFICATION MANUAL' in the 'Additional Resources' tab.

Description	File
Header file defining names and labels for columns in building class table	Wales_UKB_Building_Class_Header.csv London_UKB_Building_Class_Header
Building class of the dwelling within which UK Biobank participant resides.	Wales_UKB_Building_Class.csv London_UKB_Building_Class.csv

Description of variables used

Column No.	Variables	Description
1	Encoded anonymised participant ID	-
2	Building_Class_code	Refer figure on page 3
3	Age_code	Refer figure on page 3
4	Type_code	Refer figure on page 3
5	Quality_code	Refer table above
6	Class_Name	Categorized as public and non-public buildings

Building class quality code

Class code	Definition
A	• Very experienced PI compiled the dataset • The imagery used was 12.5cm resolution or better • The imagery was of very good or better quality with high definition of building features • Field verification was undertaken with fieldwork photos available • Some local knowledge was available or
B	• Experienced PI compiled the dataset • The imagery used was 25cm resolution or better • The imagery was of good or better quality with reasonable definition of building features • Field verification was undertaken • Some local knowledge was available or
C	• Less experienced PI compiled the dataset • The imagery used was 50cm resolution or better • The imagery was often of a poor quality with poor definition of building features • Only limited field verification was undertaken • Little local knowledge was available or gained during the field visit.

Building class codes

Building class reference sheet[1] is available [here](#).

References:

1. GeoInformation Group (2012) Image to information: Building class reference sheet, available at: http://www.landmap.ac.uk/images/stories/datasets/building_class100/Building_Class_Reference_Sheet_v6_Sep_12.pdf.