Terrain (slope)

Description: Terrain (slope) was 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.

Terrain slope (in degrees) was interpolated and extracted from the digital terrain model (DTM). Terrain was calculated in terms of mean, minimum, maximum and standard deviation in the terrain slope values within the defined 0.5 and 1.0 kilometre around each UK Biobank participant's address of residence.

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 terrain table	UKB_Wales_slope_Header.csv UKB_London_slope_Header.csv
Terrain (slope in degrees) within pre-defined Euclidean buffers (0.5 Km, 1.0 Km) of UK Biobank participant's residence.	UKB_Wales_slope.csv UKB_London_slope.csv

Description of variables used

Column No.	Variable	Description
1	**Encoded anonymised participant ID**	-
2	**Slope500m_Mean**	Mean slope within 0.5 Km Euclidean buffer of UK Biobank participant's residence
3	**Slope500m_Minimum**	Minimum value of slope within 0.5 Km Euclidean buffer of UK Biobank participant's residence
4	**Slope500m_Maximum**	Maximum value of slope within 0.5 Km Euclidean buffer of UK Biobank participant's residence
5	**Slope500m_STD**	Standard deviation in slope within 0.5 Km Euclidean buffer of UK Biobank participant's residence
6	**Slope1000m_Mean**	Mean slope within 1.0 Km Euclidean buffer of UK Biobank participant's residence
7	**Slope1000m_Minimum**	Minimum value of slope within 1.0 Km Euclidean buffer of UK Biobank participant's residence
8	**Slope1000m_Maximum**	Maximum value of slope within 1.0 Km Euclidean buffer of UK Biobank participant's residence
9	**Slope1000m_STD**	Standard deviation in slope within 1.0 Km Euclidean buffer of UK Biobank participant's residence