Urban Big Data Centre

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Data Profile – Mobility metrics for Glasgow City Region

Introduction

Derived dataset created by UBDC staff using Huq and Tamoco data.

Aim of the dataset:

To produce small-area aggregate measures of mobility over time

Data:

Mobile phone application data from Huq and Tamoco .

Mobility measure:

Mobility is measured following Cuebiq Mobility Index approach:

Mobility analysis is limited to mobile phone users determined to live within the Glasgow city-region.

Scale and Extent

Field	Value
Data Provider	Mobility metrics for Glasgow City Region
Analytical Units	Mobile phone user journeys
Data Format	numeric/text
Temporal & Geographical Extent	2019-2021 Glasgow City Region

Citation Information

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

Urban Big Data Centre. Economic and Social Research Council. Mobility metrics for Glasgow City Region Data, 2023 [data collection]. University of Glasgow - Urban Big Data Centre.

Data Access

The Mobility metrics for Glasgow City Region data is classified as Safeguarded Data. To apply to access the data fill in the UBDC Application Form

Audience

Data of interest to academic staff and local government.

Content

Method of collection
Derived dataset created by UBDC staff using Huq and Tamoco data.

Data quality

Please note that the Huq results for 2020 and 2021 were produced using incomplete versions of the data

Related Datasets

Huq

Tamoco

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Field Level Metadata – Mobility metrics for Glasgow City Region

Field Name	Description		
Name	Intermediate zone name		
Code	Intermediate zone code		
Quarter	Year and quarter of the year, e.g. 2019 Q1 begins in January 2019		
Users	The number of mobile phone users used in the calaculation of MI [can be used to set a minimum threshold for analysis using the data]		
Active_days	The number of active days used in calculating MI, where each day can have multiple active mobile phone users.		
Median_weighted	Weighted median of mobility from mobile phone users active in an intermediate zone and a given quarter.		
Lower25	25th percentile value of weighted mobility		
Upper75	75th percentile value of weighted mobility		
Mean_weighted	Weighted mean of mobility from mobile phone users active in an intermediate zone and a given quarter.		