Package: IMD (via r-universe)

October 30, 2024

Type Package

Title Index of Multiple Deprivation Data for the UK

Version 1.2.1

Description Index of Multiple Deprivation for UK nations at various
geographical levels. In England, deprivation data is for Lower
Layer Super Output Areas, Middle Layer Super Output Areas,
Wards, and Local Authorities based on data from
<https:
//www.gov.uk/government/statistics/english-indices-of-deprivation-2019>.
In Wales, deprivation data is for Lower Layer Super Output
Areas, Middle Layer Super Output Areas, Wards, and Local
Authorities based on data from
<https:
//gov.wales/welsh-index-multiple-deprivation-full-index-update-ranks-2019>.
In Scotland, deprivation data is for Data Zones, Intermediate
Zones, and Council Areas based on data from
<https://simd.scot>. In Northern Ireland, deprivation data is
for Super Output Areas and Local Government Districts based on
data from
<https://www.nisra.gov.uk/statistics/deprivation/
northern-ireland-multiple-deprivation-measure-2017-nimdm2017>.
The 'IMD' package also provides the composite UK index
developed by <https://github.com/mysociety/composite_uk_imd>.

License MIT + file LICENSE

URL https://github.com/matthewgthomas/IMD

BugReports https://github.com/matthewgthomas/IMD/issues

Encoding UTF-8

LazyData true

RoxygenNote 7.2.1

Imports rlang, dplyr, readr, tibble, janitor

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Depends R (>= 4.1.0)

Repository https://r-multiverse.r-universe.dev

RemoteUrl https://github.com/humaniverse/IMD

RemoteRef v1.2.1

RemoteSha 8cc26c4f70bf6e07c47bab089c7bad18c864223c

Contents

---

aggregate_scores   *Aggregate deprivation scores*

Description

Aggregate deprivation scores into higher-level geographies, calculating: - proportion of highly deprived areas - extent (proportion of the local population that live in the most deprived areas) - population-weighted average score

Usage

```
aggregate_scores(
  data,
  score_col,
  rank_col,
  decile_col,
  higher_level_geography,
  population
)
```

Arguments

data	Data frame containing a variable to be aggregated, lower level geography population estimates, and a higher level geographical grouping variable
score_col	Variable containing deprivation scores
rank_col	Variable containing deprivation ranks
decile_col	Variable containing deprivation deciles
higher_level_geography	
	Name of the variable in the data frame containing the higher level geography names/codes
population	Name of the variable in the data frame containing the population estimates of the lower level geography

Value

A tibble containing population-weighted average scores, proportions of highly deprived areas, and the extent for the higher-level geography.

---

calculate_extent	*Extent*

Description

extent calculates 'extent' scores when aggregating up small areas.

Usage

```
calculate_extent(data, var, higher_level_geography, population)
```

Arguments

data	Data frame containing a variable to be aggregated, lower level geography population estimates, and a higher level geographical grouping variable
var	Name of the variable in the data frame containing the variable to be aggregated (e.g. rank) for the lower level geography

higher_level_geography

        Name of the variable in the data frame containing the higher level geography names/codes

population   Name of the variable in the data frame containing the population estimates of the lower level geography

Details

"Extent" is the proportion of the local population that live in areas classified as among the most deprived in the higher geography. The calculation of extent is taken from the IMD technical report Appendix N:

"The population living in the most deprived 11 to 30 per cent of Lower-layer Super Output Areas receive a sliding weight, ranging from 0.95 for those in the most deprived eleventh percentile, to 0.05 for those in the most deprived thirtieth percentile. In practice this means that the weight starts from 0.95 in the most deprived eleventh percentile, and then decreases by (0.95-0.05)/19 for each of the subsequent nineteen percentiles until it reaches 0.05 for the most deprived thirtieth percentile, and zero for areas outside the most deprived 30 per cent"

---

calculate_pop_weighted_score

Population-weighted scores

Description

Calculate population-weighted scores within small areas.

Usage

```
calculate_pop_weighted_score(data, var, higher_level_geography, population)
```

Arguments

data   Data frame containing a variable to be aggregated, lower level geography population estimates, and a higher level geographical grouping variable

var   Name of the variable in the data frame containing the variable to be aggregated (e.g. rank) for the lower level geography

higher_level_geography

        Name of the variable in the data frame containing the higher level geography names/codes

population   Name of the variable in the data frame containing the population estimates of the lower level geography

calculate_proportion	*Proportion*

Description

Calculate proportion of small areas in the higher-level geography that are within the 10

Usage

```
calculate_proportion(data, var, higher_level_geography, max_quantile = 1)
```

Arguments

data	Data frame containing a variable to be aggregated, lower level geography population estimates, and a higher level geographical grouping variable
var	Name of the variable in the data frame containing the variable to be aggregated (e.g. decile) for the lower level geography
higher_level_geography	
	Name of the variable in the data frame containing the higher level geography names/codes
max_quantile	Get proportion of small areas categorised as less than or equal to 'max_quantile' (default = 1)

cni_england_ward17	*Community Needs Index and Left Behind Areas for Wards (2017 codes) in England*

Description

A data set containing the Community Needs Index scores and ranks and its three domains. Also highlights which areas are categorised as 'Left Behind'.

Usage

```
cni_england_ward17
```

Format

A data frame of class "tbl" with 7433 rows and 13 variables:

ward17_code Ward code

ward17_name Ward name

lad19_code Local Authority code

lad19_name Local Authority name

Civic Assets score Score for the Civic Assets domain (higher score = higher needs)

Civic Assets rank Rank for the Civic Assets domain (1 = highest needs)

Connectedness score Score for the Connectedness domain (higher score = higher needs)

Connectedness rank Rank for the Connectedness domain (1 = highest needs)

Engaged community score Score for the Engaged Community domain (higher score = higher needs)

Engaged community rank Rank for the Engaged Community domain (1 = highest needs)

Community Needs Index score Overall Community Needs Index score (higher score = higher needs)

Community Needs Index rank Overall Community Needs Index rank (1 = highest needs)

Left Behind Area? TRUE if this Ward is a Left Behind Area ...

Source

<https://ocsi.uk/>

---

cni_northern_ireland_soa11

Community Needs Index and Left Behind Areas for Super Output Areas (2011 codes) in Northern Ireland

---

Description

A data set containing the Community Needs Index scores and ranks and its three domains. Also highlights which areas are categorised as 'Left Behind'.

Usage

    cni_northern_ireland_soa11

Format

A data frame of class "tbl" with 890 rows and 13 variables:

soa11_code Super Output Area code

soa11_name Super Output Area name

lgd14_name Local Government District name

lgd14_code Local Government District code

Civic Assets score Score for the Civic Assets domain (higher score = higher needs)

Civic Assets rank Rank for the Civic Assets domain (1 = highest needs)

Connectedness score Score for the Connectedness domain (higher score = higher needs)

Connectedness rank Rank for the Connectedness domain (1 = highest needs)

Engaged Community score Score for the Engaged Community domain (higher score = higher
needs)

Engaged Community rank Rank for the Engaged Community domain (1 = highest needs)

Community Needs Index score Overall Community Needs Index score (higher score = higher
needs)

Community Needs Index rank Overall Community Needs Index rank (1 = highest needs)

Left Behind Area? TRUE if this Ward is a Left Behind Area ...

Source

https://ocsi.uk/

---

cni_scotland_iz11	*Community Needs Index and Left Behind Areas for Intermediate Zones (2011 codes) in Scotland*

Description

A data set containing the Community Needs Index scores and ranks and its three domains. Also
highlights which areas are categorised as 'Left Behind'.

Usage

```
cni_scotland_iz11
```

Format

A data frame of class "tbl" with 1,279 rows and 11 variables:

iz11_code Intermediate Zone code

iz11_name Intermediate Zone name

Civic Assets score Score for the Civic Assets domain (higher score = higher needs)

Civic Assets rank Rank for the Civic Assets domain (1 = highest needs)

Connectedness score Score for the Connectedness domain (higher score = higher needs)

Connectedness rank Rank for the Connectedness domain (1 = highest needs)

Engaged Community score Score for the Engaged Community domain (higher score = higher
needs)

Engaged Community rank Rank for the Engaged Community domain (1 = highest needs)

Community Needs Index score Overall Community Needs Index score (higher score = higher
needs)

Community Needs Index rank Overall Community Needs Index rank (1 = highest needs)

Left Behind Area? TRUE if this Ward is a Left Behind Area ...

Source

https://ocsi.uk/

cni_wales_msoa11	*Community Needs Index and Left Behind Areas for MSOAs (2011 codes) in Wales*

Description

A data set containing the Community Needs Index scores and ranks and its three domains. Also highlights which areas are categorised as 'Left Behind'.

Usage

```
cni_wales_msoa11
```

Format

A data frame of class "tbl" with 410 rows and 12 variables:

msoa11_code MSOA code

msoa11_name MSOA name

lad21_name Local Authority name

Civic Assets score Score for the Civic Assets domain (higher score = higher needs)

Civic Assets rank Rank for the Civic Assets domain (1 = highest needs)

Connectedness score Score for the Connectedness domain (higher score = higher needs)

Connectedness rank Rank for the Connectedness domain (1 = highest needs)

Engaged Community score Score for the Engaged Community domain (higher score = higher needs)

Engaged Community rank Rank for the Engaged Community domain (1 = highest needs)

Community Needs Index score Overall Community Needs Index score (higher score = higher needs)

Community Needs Index rank Overall Community Needs Index rank (1 = highest needs)

Left Behind Area? TRUE if this Ward is a Left Behind Area ...

Source

https://ocsi.uk/

---

imd_england_lad	*Index of Multiple Deprivation for Local Authorities in England*

Description

A data set containing aggregated scores and proportions for Local Authorities in England. Note that extents are not available.

Usage

```
imd_england_lad
```

Format

A data frame of class "tbl" with 317 rows and 18 variables:

lad_code LAD code

Score Population-weighted average score

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Score Population-weighted average score for Income domain

Income_Proportion Proportion of most deprived areas for Income

Employment_Score Population-weighted average score for Employment domain

Employment_Proportion Proportion of most deprived areas for Employment

Education_Score Population-weighted average score for Education domain

Education_Proportion Proportion of most deprived areas for Education

Health_Score Population-weighted average score for Health domain

Health_Proportion Proportion of most deprived areas for Health

Crime_Score Population-weighted average score for Crime domain

Crime_Proportion Proportion of most deprived areas for Crime

Housing_and_Access_Score Population-weighted average score for Housing/Access domain

Housing_and_Access_Proportion Proportion of most deprived areas for Housing/Access domain

Environment_Score Population-weighted average score for Environment domain

Environment_Proportion Proportion of most deprived areas for Environment ...

Source

https://www.gov.uk/

---

imd_england_lad_subdomains

Sub-domains of deprivation for Local Authorities in England

Description

A data set containing deprivation sub-domain ranks and deciles for Local Authorities in England.

Usage

imd_england_lad_subdomains

Format

A data frame of class "tbl" with 317 rows and 13 variables:

lad_code Local Authority code

Children_and_young_people_Proportion Children and Young People sub-domain proportion

Children_and_young_people_Extent Children and Young People sub-domain extent

Adult_skills_Proportion Adult Skills sub-domain proportion

Adult_skills_Extent Adult Skills sub-domain extent

Geographical_barriers_Proportion Geographical Barriers sub-domain proportion

Geographical_barriers_Extent Geographical Barriers sub-domain extent

Wider_barriers_Proportion Wider Barriers sub-domain proportion

Wider_barriers_Extent Wider Barriers sub-domain extent

Indoors_Proportion Indoors sub-domain proportion

Indoors_Extent Indoors sub-domain extent

Outdoors_Proportion Outdoors sub-domain proportion

Outdoors_Extent Outdoors sub-domain extent ...

Source

https://www.gov.uk/

---

imd_england_lsoa   *Index of Multiple Deprivation for LSOAs in England*

Description

A data set containing IMD ranks and deciles for Lower Layer Super Output Areas (LSOAs) in England.

Usage

```
imd_england_lsoa
```

Format

A data frame of class "tbl" with 32,844 rows and 17 variables:

lsoa_code LSOA code

IMD_decile IMD decile

Income_decile Income domain decile

Employment_decile Employment domain decile

Education_decile Education domain decile

Health_decile Health and Disability domain decile

Crime_decile Crime domain decile

Housing_and_Access_decile Housing and access to services domain decile

Environment_decile Environment domain decile

IMD_rank IMD rank

Income_rank Income domain rank

Employment_rank Employment domain rank

Education_rank Education domain rank

Health_rank Health domain rank

Crime_rank Crime domain rank

Housing_and_Access_rank Housing and access to services domain rank

Environment_rank Environment domain rank ...

Source

https://www.gov.uk/

---

imd_england_lsoa_subdomains

Sub-domains of deprivation for LSOAs in England

Description

A data set containing deprivation sub-domain ranks and deciles for Lower Layer Super Output Areas (LSOAs) in England.

Usage

imd_england_lsoa_subdomains

Format

A data frame of class "tbl" with 32,844 rows and 19 variables:

lsoa_code LSOA code

Education_decile Education domain decile

Children_and_young_people_decile Children and Young People sub-domain decile

Adult_skills_decile Adult Skills sub-domain decile

Housing_and_Access_decile Housing and access to services domain decile

Geographical_barriers_decile Geographical Barriers sub-domain decile

Wider_barriers_decile Wider Barriers sub-domain decile

Environment_decile Environment domain decile

Indoors_decile Indoors sub-domain decile

Outdoors_decile Outdoors sub-domain decile

Education_rank Education domain rank

Children_and_young_people_rank Children and Young People sub-domain rank

Adult_skills_rank Adult Skills sub-domain rank

Housing_and_Access_rank Housing and access to services domain rank

Geographical_barriers_rank Geographical Barriers sub-domain rank

Wider_barriers_rank Wider Barriers sub-domain rank

Environment_rank Environment domain rank

Indoors_rank Indoors sub-domain rank

Outdoors_rank Outdoors sub-domain rank ...

Source

<https://www.gov.uk/>

---

imd_england_msoa   *Index of Multiple Deprivation for MSOAs in England*

Description

A data set containing population-weighted average scores, proportions and extents for Middle Layer
Super Output Areas (LSOAs) in England.

Usage

```
imd_england_msoa
```

Format

A data frame of class "tbl" with 6,791 rows and 25 variables:

msoa_code MSOA code

Score Population-weighted average IMD score

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Score Population-weighted average score for Income domain

Income_Proportion Proportion of most deprived areas for Income

Income_Extent Extent for Income

Employment_Score Population-weighted average score for Employment domain

Employment_Proportion Proportion of most deprived areas for Employment

Employment_Extent Extent for Employment

Education_Score Population-weighted average score for Education domain

Education_Proportion Proportion of most deprived areas for Education

Education_Extent Extent for Education

Health_Score Population-weighted average score for Health domain

Health_Proportion Proportion of most deprived areas for Health

Health_Extent Extent for Health

Crime_Score Population-weighted average score for Crime domain

Crime_Proportion Proportion of most deprived areas for Crime

Crime_Extent Extent for Crime

Housing_and_Access_Score Population-weighted average score for Housing/Access domain

Housing_and_Access_Proportion Proportion of most deprived areas for Housing/Access domain

Housing_and_Access_Extent Extent for Housing/Access

Environment_Score Population-weighted average score for Environment domain

Environment_Proportion Proportion of most deprived areas for Environment

Environment_Extent Extent for Environment ...

Source

---

imd_england_msoa_subdomains

Sub-domains of deprivation for MSOAs in England

Description

A data set containing deprivation sub-domain ranks and deciles for Middle Layer Super Output Areas (MSOAs) in England.

Usage

```
imd_england_msoa_subdomains
```

Format

A data frame of class "tbl" with 6,791 rows and 13 variables:

msoa_code MSOA code

Children_and_young_people_Proportion Children and Young People sub-domain proportion

Children_and_young_people_Extent Children and Young People sub-domain extent

Adult_skills_Proportion Adult Skills sub-domain proportion

Adult_skills_Extent Adult Skills sub-domain extent

Geographical_barriers_Proportion Geographical Barriers sub-domain proportion

Geographical_barriers_Extent Geographical Barriers sub-domain extent

Wider_barriers_Proportion Wider Barriers sub-domain proportion

Wider_barriers_Extent Wider Barriers sub-domain extent

Indoors_Proportion Indoors sub-domain proportion

Indoors_Extent Indoors sub-domain extent

Outdoors_Proportion Outdoors sub-domain proportion

Outdoors_Extent Outdoors sub-domain extent ...

Source

---

imd_england_ward	*Index of Multiple Deprivation for Wards in England*

Description

A data set containing population-weighted average scores, proportions and extents for wards in England.

Usage

```
imd_england_ward
```

Format

A data frame of class "tbl" with 7,180 rows and 25 variables:

ward_code Ward code

Score Population-weighted average IMD score

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Score Population-weighted average score for Income domain

Income_Proportion Proportion of most deprived areas for Income

Income_Extent Extent for Income

Employment_Score Population-weighted average score for Employment domain

Employment_Proportion Proportion of most deprived areas for Employment

Employment_Extent Extent for Employment

Education_Score Population-weighted average score for Education domain

Education_Proportion Proportion of most deprived areas for Education

Education_Extent Extent for Education

Health_Score Population-weighted average score for Health domain

Health_Proportion Proportion of most deprived areas for Health

Health_Extent Extent for Health

Crime_Score Population-weighted average score for Crime domain

Crime_Proportion Proportion of most deprived areas for Crime

Crime_Extent Extent for Crime

Housing_and_Access_Score Population-weighted average score for Housing/Access domain

Housing_and_Access_Proportion Proportion of most deprived areas for Housing/Access domain

Housing_and_Access_Extent Extent for Housing/Access

Environment_Score Population-weighted average score for Environment domain

Environment_Proportion Proportion of most deprived areas for Environment

Environment_Extent Extent for Environment ...

Source

---

imd_england_ward_subdomains

Sub-domains of deprivation for wards in England

Description

A data set containing deprivation sub-domain ranks and deciles for wards in England.

Usage

```
imd_england_ward_subdomains
```

Format

A data frame of class "tbl" with 7,180 rows and 13 variables:

ward_code Ward code

Children_and_young_people_Proportion Children and Young People sub-domain proportion

Children_and_young_people_Extent Children and Young People sub-domain extent

Adult_skills_Proportion Adult Skills sub-domain proportion

Adult_skills_Extent Adult Skills sub-domain extent

Geographical_barriers_Proportion Geographical Barriers sub-domain proportion

Geographical_barriers_Extent Geographical Barriers sub-domain extent

Wider_barriers_Proportion Wider Barriers sub-domain proportion

Wider_barriers_Extent Wider Barriers sub-domain extent

Indoors_Proportion Indoors sub-domain proportion

Indoors_Extent Indoors sub-domain extent

Outdoors_Proportion Outdoors sub-domain proportion

Outdoors_Extent Outdoors sub-domain extent ...

Source

imd_northern_ireland_lad

Index of Multiple Deprivation for Local Government Districts in Northern Ireland

Description

A data set containing proportions and extents for Local Government Districts (Local Authorities) in Northern Ireland.

Usage

imd_northern_ireland_lad

Format

A data frame of class "tbl" with 11 rows and 25 variables:

lad_code LAD code

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Proportion Proportion of most deprived areas for Income

Income_Extent Extent for Income

Employment_Proportion Proportion of most deprived areas for Employment

Employment_Extent Extent for Employment

Education_Proportion Proportion of most deprived areas for Education

Education_Extent Extent for Education

Health_Proportion Proportion of most deprived areas for Health

Health_Extent Extent for Health

Crime_Proportion Proportion of most deprived areas for Crime

Crime_Extent Extent for Crime

Access_Proportion Proportion of most deprived areas for Access domain

Access_Extent Extent for Access

Environment_Proportion Proportion of most deprived areas for Environment

Environment_Extent Extent for Environment ...

Source

https://www.nisra.gov.uk/

---

imd_northern_ireland_soa

Index of Multiple Deprivation for Super Output Areas in Northern Ireland

---

Description

A data set containing IMD ranks and deciles for SOAs in Northern Ireland.

Usage

    imd_northern_ireland_soa

Format

A data frame of class "tbl" with 890 rows and 17 variables:

soa_code Super Output Area code

IMD_decile IMD decile

Income_decile Income domain decile

Employment_decile Employment domain decile

Health_decile Health and Disability domain decile

Education_decile Education domain decile

Access_decile Access to services domain decile

Environment_decile Environment domain decile

Crime_decile Crime domain decile

IMD_rank IMD rank

Income_rank Income domain rank

Employment_rank Employment domain rank

Health_rank Health domain rank

Education_rank Education domain rank

Access_rank Access to services domain rank

Environment_rank Environment domain rank

Crime_rank Crime domain rank ...

Source

https://www.nisra.gov.uk/

imd_scotland_dz	*Index of Multiple Deprivation for Data Zones in Scotland*

Description

A data set containing IMD ranks and deciles for Data Zones in Scotland

Usage

```
imd_scotland_dz
```

Format

A data frame of class "tbl" with 6,976 rows and 17 variables:

dz_code Data Zone code

IMD_decile IMD decile

Income_decile Income domain decile

Employment_decile Employment domain decile

Education_decile Education domain decile

Health_decile Health and Disability domain decile

Crime_decile Crime domain decile

Housing_decile Housing domain decile

Access_decile Access to services domain decile

IMD_rank IMD rank

Income_rank Income domain rank

Employment_rank Employment domain rank

Education_rank Education domain rank

Health_rank Health domain rank

Crime_rank Crime domain rank

Housing_rank Housing domain rank

Access_rank Access to services domain rank ...

Source

https://www.gov.scot/

---

imd_scotland_iz   *Index of Multiple Deprivation for IZs in Scotland*

Description

A data set containing proportions and extents for Intermediate Zones (IZs) in Scotland. Note that IMD scores for Scotland are not available.

Usage

```
imd_scotland_iz
```

Format

A data frame of class "tbl" with 1,279 rows and 17 variables:

iz_code Intermediate Zone code

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Proportion Proportion of most deprived areas for Income

Income_Extent Extent for Income

Employment_Proportion Proportion of most deprived areas for Employment

Employment_Extent Extent for Employment

Education_Proportion Proportion of most deprived areas for Education

Education_Extent Extent for Education

Health_Proportion Proportion of most deprived areas for Health

Health_Extent Extent for Health

Crime_Proportion Proportion of most deprived areas for Crime

Crime_Extent Extent for Crime

Housing_Proportion Proportion of most deprived areas for Housing domain

Housing_Extent Extent for Housing

Access_Proportion Proportion of most deprived areas for Access domain

Access_Extent Extent for Access ...

Source

https://www.gov.scot/

---

imd_scotland_lad *Index of Multiple Deprivation for Council Areas in Scotland*

Description

A data set containing proportions and extents for Council Areas (Local Authorities) in Scotland. Note that IMD scores for Scotland are not available.

Usage

```
imd_scotland_lad
```

Format

A data frame of class "tbl" with 32 rows and 17 variables:

lad_code Local Authority code

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Proportion Proportion of most deprived areas for Income

Income_Extent Extent for Income

Employment_Proportion Proportion of most deprived areas for Employment

Employment_Extent Extent for Employment

Education_Proportion Proportion of most deprived areas for Education

Education_Extent Extent for Education

Health_Proportion Proportion of most deprived areas for Health

Health_Extent Extent for Health

Crime_Proportion Proportion of most deprived areas for Crime

Crime_Extent Extent for Crime

Housing_Proportion Proportion of most deprived areas for Housing domain

Housing_Extent Extent for Housing

Access_Proportion Proportion of most deprived areas for Access domain

Access_Extent Extent for Access ...

Source

https://www.gov.scot/

---

imd_wales_lad   *Index of Multiple Deprivation for Local Authorities in Wales*

Description

A data set containing proportions and extents for Local Authorities in Wales. Note that IMD scores for Wales are not available.

Usage

```
imd_wales_lad
```

Format

A data frame of class "tbl" with 22 rows and 19 variables:

lad_code LAD code

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Proportion Proportion of most deprived areas for Income

Income_Extent Extent for Income

Employment_Proportion Proportion of most deprived areas for Employment

Employment_Extent Extent for Employment

Education_Proportion Proportion of most deprived areas for Education

Education_Extent Extent for Education

Health_Proportion Proportion of most deprived areas for Health

Health_Extent Extent for Health

Crime_Proportion Proportion of most deprived areas for Crime

Crime_Extent Extent for Crime

Housing_Proportion Proportion of most deprived areas for Housing domain

Housing_Extent Extent for Housing

Access_Proportion Proportion of most deprived areas for Access domain

Access_Extent Extent for Access

Environment_Proportion Proportion of most deprived areas for Environment

Environment_Extent Extent for Environment ...

Source

https://gov.wales/

---

imd_wales_lsoa	*Index of Multiple Deprivation for LSOAs in Wales*

Description

A data set containing IMD ranks and deciles for Lower Layer Super Output Areas (LSOAs) in Wales.

Usage

```
imd_wales_lsoa
```

Format

A data frame of class "tbl" with 1,909 rows and 19 variables:

lsoa_code LSOA code

IMD_decile IMD decile

Income_decile Income domain decile

Employment_decile Employment domain decile

Education_decile Education domain decile

Health_decile Health and Disability domain decile

Crime_decile Crime domain decile

Housing_decile Housing domain decile

Access_decile Access to services domain decile

Environment_decile Environment domain decile

IMD_rank IMD rank

Income_rank Income domain rank

Employment_rank Employment domain rank

Education_rank Education domain rank

Health_rank Health domain rank

Crime_rank Crime domain rank

Housing_rank Housing domain rank

Access_rank Access to services domain rank

Environment_rank Environment domain rank ...

Source

https://gov.wales/

---

imd_wales_msoa   *Index of Multiple Deprivation for MSOAs in Wales*

Description

A data set containing proportions and extents for Middle Layer Super Output Areas (LSOAs) in Wales. Note that IMD scores for Wales are not available.

Usage

```
imd_wales_msoa
```

Format

A data frame of class "tbl" with 410 rows and 28 variables:

msoa_code MSOA code
Score Population-weighted average IMD score
Proportion Proportion of small areas in the nation's most deprived
Extent Extent for overall IMD
Income_Score Population-weighted average income score
Income_Proportion Proportion of most deprived areas for Income
Income_Extent Extent for Income
Employment_Score Population-weighted average Employment score
Employment_Proportion Proportion of most deprived areas for Employment
Employment_Extent Extent for Employment
Education_Score Population-weighted average Education score
Education_Proportion Proportion of most deprived areas for Education
Education_Extent Extent for Education
Health_Score Population-weighted average Health score
Health_Proportion Proportion of most deprived areas for Health
Health_Extent Extent for Health
Crime_Score Population-weighted average Crime score
Crime_Proportion Proportion of most deprived areas for Crime
Crime_Extent Extent for Crime
Housing_Score Population-weighted average Housing score
Housing_Proportion Proportion of most deprived areas for Housing domain
Housing_Extent Extent for Housing
Access_Score Population-weighted average Access score
Access_Proportion Proportion of most deprived areas for Access domain
Access_Extent Extent for Access
Environment_Score Population-weighted average Environment score
Environment_Proportion Proportion of most deprived areas for Environment
Environment_Extent Extent for Environment ...

Source

<https://gov.wales/>

---

imd_wales_ward *Index of Multiple Deprivation for Wards in Wales*

Description

A data set containing population-weighted average scores, proportions and extents for wards in Wales Note that IMD scores for Wales are not available.

Usage

```
imd_wales_ward
```

Format

A data frame of class "tbl" with 843 rows and 19 variables:

ward_code Ward code

Proportion Proportion of small areas in the nation's most deprived

Extent Extent for overall IMD

Income_Proportion Proportion of most deprived areas for Income

Income_Extent Extent for Income

Employment_Proportion Proportion of most deprived areas for Employment

Employment_Extent Extent for Employment

Education_Proportion Proportion of most deprived areas for Education

Education_Extent Extent for Education

Health_Proportion Proportion of most deprived areas for Health

Health_Extent Extent for Health

Crime_Proportion Proportion of most deprived areas for Crime

Crime_Extent Extent for Crime

Housing_Proportion Proportion of most deprived areas for Housing domain

Housing_Extent Extent for Housing

Access_Proportion Proportion of most deprived areas for Access domain

Access_Extent Extent for Access

Environment_Proportion Proportion of most deprived areas for Environment

Environment_Extent Extent for Environment ...

Source

<https://gov.wales/>

---

load_composite_imd   *Load composite 2020 UK Index of Multiple Deprivation*

Description

Load data from mySociety's composite 2020 UK Index of Multiple Deprivation: https://github.com/mysociety/composite_uk

Usage

```
load_composite_imd(nation = "E")
```

Arguments

nation   The initial letter of the UK nation whose composite IMD you want to load.
                  Should be one of: (E)ngland, (W)ales, (S)cotland (N)orthern Ireland. See the
                  GitHub link about for more details about why there are separate composite IMDs
                  for each nation.

Examples

```
## Not run:
imd_uk <- load_composite_imd("E")

## End(Not run)
```

Index