WEBINAR

Open data as a public good: evidence-based development across territories

data europa academy

13 March 2026

10:00 – 11:30 CET

Rules of the game

The webinar will be recorded and published on the data.europa academy

For questions, please use the ClickMeeting chat

Please reserve 3 min after the webinar to help us improve by filling in our feedback form

Today's speakers

Carlijn de Smet
European Data Portal, Publications Office of the EU

Solana Larsen
AI Literacy Lead at the Open Knowledge Foundation

Johanna Walker
Research and Teaching Fellow at King's College London

Patrick Collins
Principal Data Scientist at Pobal

data europa academy

Agenda

10.00 – 10.05	Opening and introduction – *Carlijn de Smet*
10.05 – 10.20	Open Knowledge Foundation: global principles and open data reuse – *Solana Larsen*
10.20 – 10.45	Publishing rural open data in the EU – *Johanna Walker*
10.45 – 11.10	From Open Data to Deprivation Detection – *Patrick Collins*
11:10 – 11.30	Q&A session and closing remarks – *Carlijn de Smet*

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Open Knowledge Foundation

Open Data Day
March 7-13, 2026

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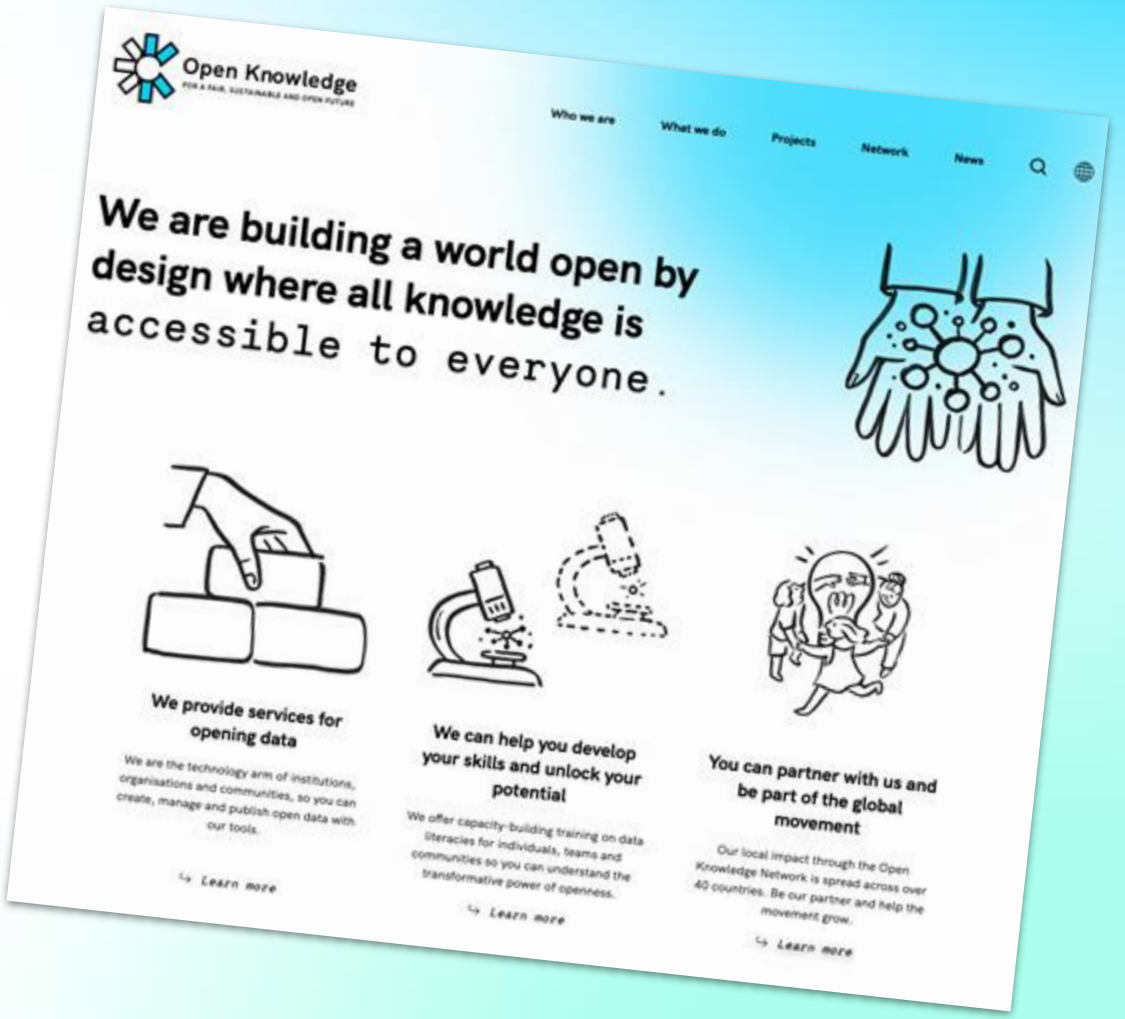
Open Knowledge
FOR A FAIR, SUSTAINABLE AND OPEN FUTURE



Open Data Day

March 7-13, 2026

Welcome!

113

Events registered

opendataday.org

Defining Open

since 2005

The ‘open definition’ was first published in 2005 by Open Knowledge and is maintained by an Advisory Council.

Over the years—with a major update in 2015—it has become a standard for open database licensing worldwide.

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https://opendefinition.org/od/2.1/en/

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Open Knowledge Tools

ckan

The world's leading open source data management system. CKAN makes it easy to publish, share and discover data. It powers hundreds of data portals worldwide including governments, NGOs, research centers and enterprises.

↪ *Learn more*

Open Data Commons

The home of a set of legal tools and licenses to help you publish, provide and use open data: Open Database License (ODbL), Open Data Commons Attribution License, and Open Data Commons Public Domain Dedication and License (PDDL).

↪ *Learn more*

Open Definition

The Open Definition sets out principles that define "openness" in relation to data and content. It makes precise the meaning of "open" in the terms "open data" and "open content" and thereby ensures quality and encourages compatibility between different pools of open material.

↪ *Learn more*

Data Package

Data Package is a standard consisting of a set of simple yet extensible specifications to describe datasets, data files and tabular data. It is a data definition language (DDL) and data API that facilitates findability, accessibility, interoperability, and reusability (FAIR) of data.

↪ *Learn more*

Open Data Editor

No-code application to explore and publish all kinds of data: datasets, tables, charts, maps, stories, and more. Forever free and open source project powered by open standards and generative AI.

↪ *Learn more*

Frictionless Data

Frictionless Data is an open-source toolkit that brings simplicity to the data experience - whether you're wrangling a CSV or engineering complex pipelines.

↪ *Learn more*

What does «open» mean today?

There are also many more opportunities

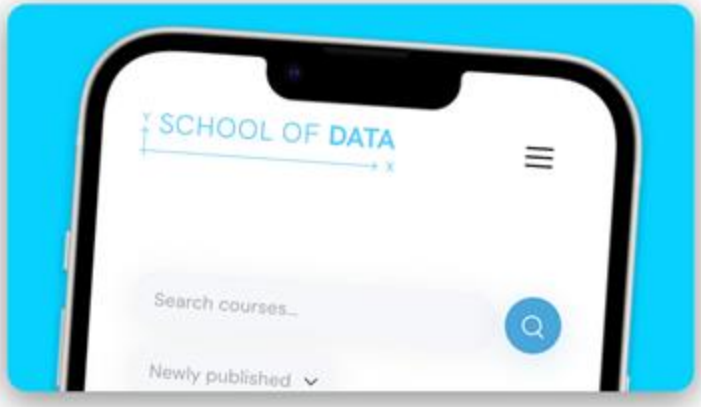
Conversations about «open» have **expanded in complexity**.

There is a new generation of ideas and critiques around **data extractivism**, **digital colonialism**, **economic, racial and gender violences**, **intersectional inequalities**, **climate justice**, etc.

Open Knowledge
FOR A FAIR, SUSTAINABLE AND OPEN FUTURE

'We need to rethink how we build and govern digital tools that truly work for *us* to ensure that we have options, now and in the future.'

ReadMe | On learning and unlearning



100+
Conversations
to inspire our new direction.

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Open Knowledge Ghana
Open Knowledge Greece
Open Knowledge Japan
Open Knowledge Nepal
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Open Data .ch

A village is not a small city
are EU members publishing sufficient rural open data?

Johanna Walker, King's College London

DATA.EUROPA.EU

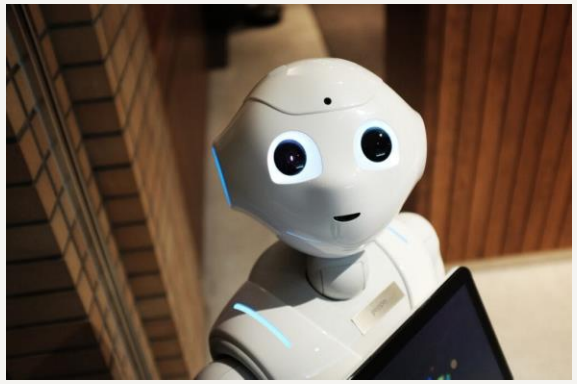
OPEN DATA DAY

2026

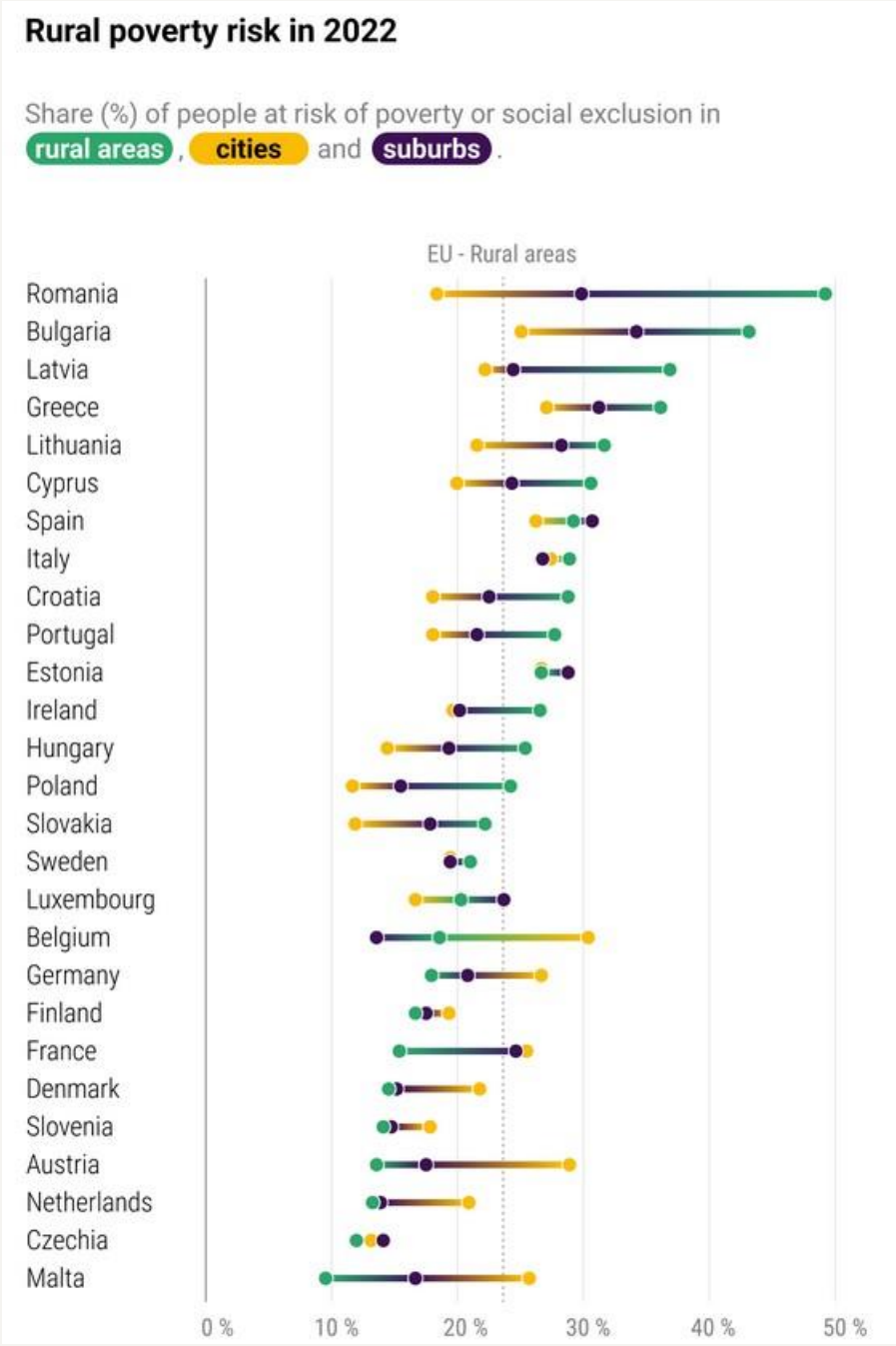
13TH MARCH 2026

Does one size (or initiative) fit all?

Rural vs urban populations



Are rural areas rich or poor?



Rural economic activities

How available is rural open data and how is this changing over time?

Hypothesis 1: Countries with more rural populations are publishing more rural data.

How available is rural open data and how is this changing over time?

Hypothesis 2: EU Member States with more rural populations are in earlier stages of open data maturity

How available is rural open data and how is this changing over time?

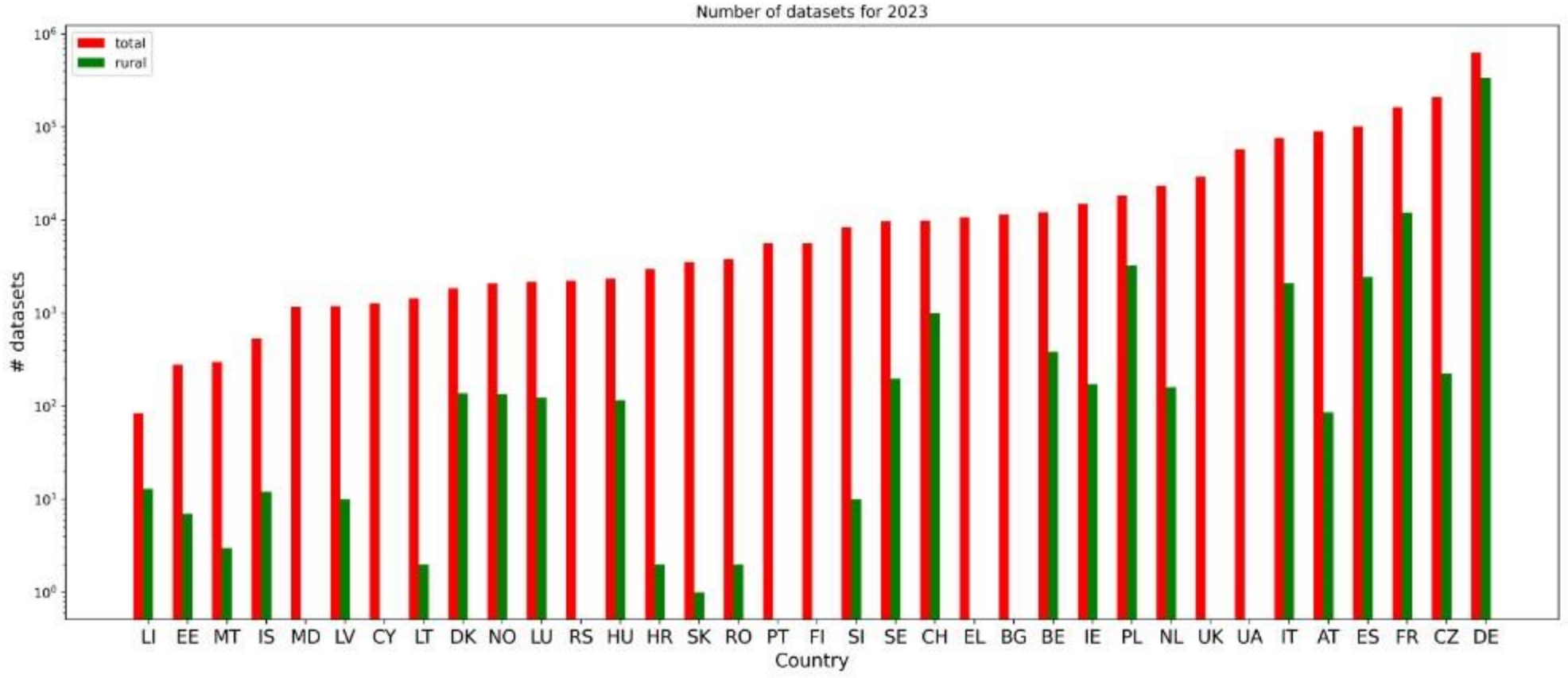


Figure 3. Number of total and rural datasets published by country on data.europa.eu in 2023.

How available is rural open data and how is this changing over time?

Hypothesis 3: Countries with a higher percentage of their GDP derived from agriculture will publish more agricultural open data sets

NAODP! Greater focus on rural data

The Rural Observatory supports the **knowledge production** and aims at **improving data collection and dissemination** related to **EU rural areas**

GRANULAR: Screened datasets that are relevant to **capture rural diversity** and to **create novel indicators** for rural areas

Thank you

Johanna Walker

Johanna.walker@kcl.ac.uk

'Smart Rural: The Open Data Gap'

From Open Data to Deprivation Detection

The Pobal HP Deprivation index

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Pobal Overview

34 years
in existence

800 employees

10 offices

In 2024, a total of
€ 1.316 Billion
was disbursed to local and national community-based organisations and service providers

38 Programmes managed in 2024

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Overview

GETTING THE DATA

MODELLING

SHARING

ANALYSING

ENHANCING

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DATA.GOV.IE

DATASETS PUBLISHERS SUGGEST DATA CONTACT ABOUT MORE EN/GA LOGIN Search Articles, News & Events...

21960 DATASETS 142 PUBLISHERS

IRELAND'S OPEN DATA PORTAL

Promoting innovation and transparency through the publication of Irish Public Sector data in open, free and reusable formats.

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Education and Sport | Energy | Environment | Government and Public Sector | Health

Housing and Zoning | Population and Society | Science and Technology | Regions | Transp

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EUROPEAN DATA PORTAL

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DATA.GOV.IE 'HOW TO' GUIDES

Published on 29 January 2026

OPEN DATA TRAINING - SPRING 2 COURSES

DATA.GOV.IE

DATASETS PUBLISHERS SUGGEST DATA CONTACT ABOUT MORE EN/GA LOGIN

Search Articles, News & Events...

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Pobal works on behalf of Government to support communities and local agencies toward achieving social inclusion and development. read more

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Search Datasets

Search Datasets

6 Results

Order by Relevance

Pobal HP - Deprivation Index Scores - 2022

Society

Pobal

The 2022 Pobal HP Deprivation Index is the latest in a serious of deprivation indices developed by Trutz Haase and Jonathan Pratschke and funded by Pobal. Based on the 2022 Census of Population, the 2022 Pobal HP Deprivation Index shows the level of overall affluence and deprivat

CSV XLS

7136 views

SICAP Beneficiary Data 2022

Society

Pobal

SICAP is funded by the Irish Government through the Department of Rural and Community Development and co-funded by the European Union. This data is published by Pobal on behalf of the Department of Rural and Community Development. These datasets provide 2022 profile and output da

CSV

177 views

SICAP Beneficiary Data 2021

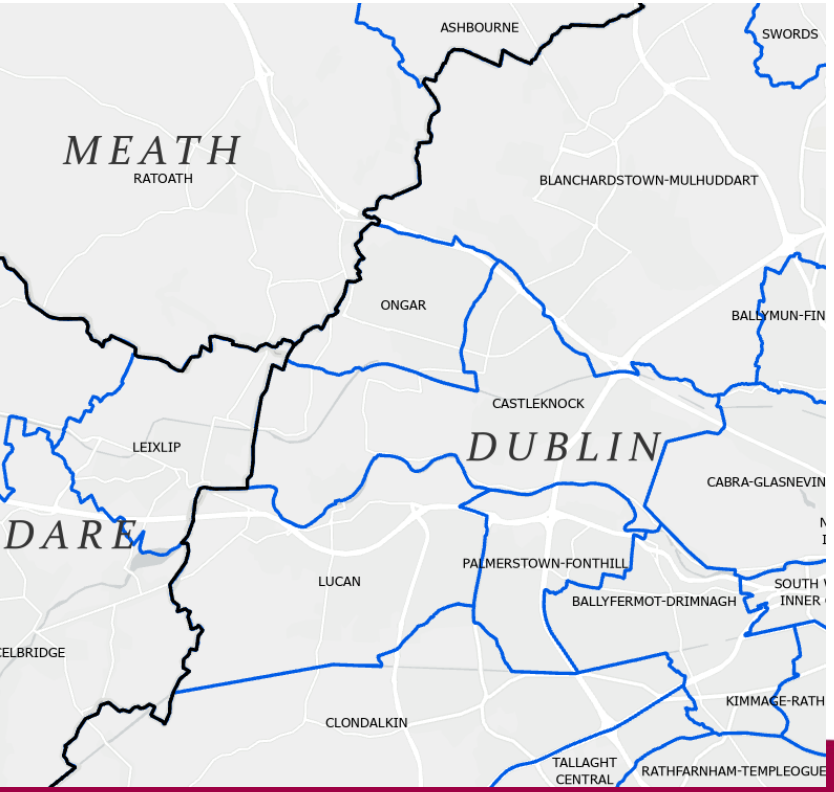
Society

Hierarchical Geographical Units

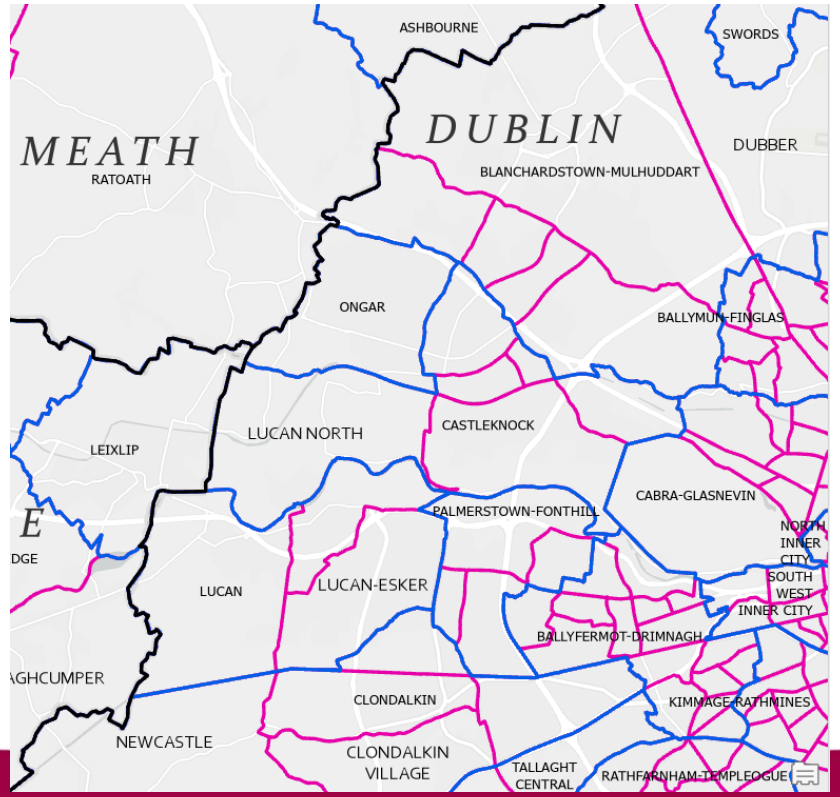
Lowest statistical geography
80 -120 dwellings

Local Authority (31)

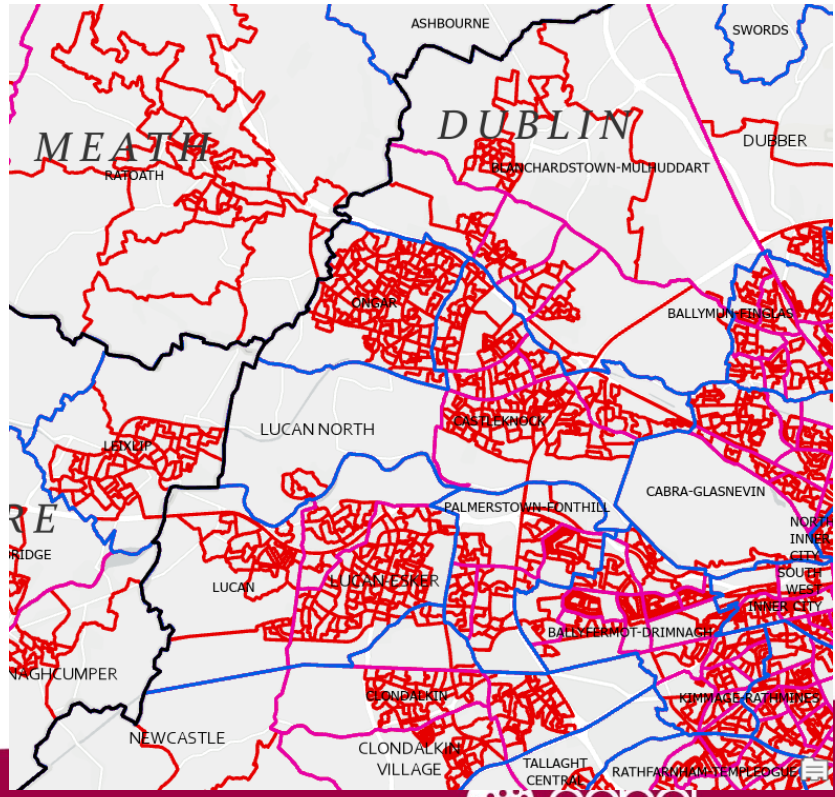
Local Electoral Area (166)



Electoral Division (3440)



Small Area (18,919)



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An Phríomh-Oifig Staidrimh Central Statistics Office

Statistics Database | cso.ie as Gaeilge

Search cso.ie

Home | Statistics | Databases | Methods | Surveys | About Us | Census | Trust & Transparency

YOU ARE HERE: HOME / CENSUS / CENSUS 2022 / CENSUS 2022 SMALL AREA POPULATION STATISTICS

Census 2022 Small Area Population Statistics

Small Area Population Statistics (SAPS)

Small Area Population Statistics are statistics produced for a range of geographical levels from State to Small Areas. Small area data can be accessed through our Interactive Mapping Tool or through data tables at https://data.cso.ie/. Small area data can also be downloaded as csv files.

Interactive Mapping Tool

Use the map to explore detailed census data for a selected area. The application allows users to find their location of interest by searching for an address/area or by pinpointing a location on the map. There is also an option to see the data at various geographical levels, by selecting the boundary type. A user guide is available on the Census Mapping Resources page.

There are 48 Small Area Population Statistics (SAPS) tables organised in the following themes.

Small Area Population Statistics (SAPS) Themes

- Theme 1: Sex, age and marital status
- Theme 2: Migration, ethnicity and religion
- Theme 3: Irish language
- Theme 4: Families
- Theme 5: Private households
- Theme 6: Housing
- Theme 7: Volunteers
- Theme 8: Principal status
- Theme 9: Social class and socio-economic group
- Theme 10: Education
- Theme 11: Commuting
- Theme 12: Disability, carers and general health
- Theme 13: Occupations
- Theme 14: Industries
- Theme 15: Motor car availability and internet access

Download Small Area Data and Boundary Files

SAPS data can be downloaded below in csv format. The corresponding boundaries can be downloaded from the Tailte Éireann - National Mapping Division Open Data Portal at the links below. Generalised versions of the boundary files are also available on the Portal.

A glossary of table variables is available here SAPS 2022 Glossary (XLS 34KB) and in Irish, Staidrimh Daonra um Cheantair Bheaga - Gluais SDCB 2022 (XLS 36KB) .

GeoHive Open Data Catalogue

Tailte Éireann

GeoHive Open Data Catalogue

Search, Access and Explore Open Geospatial Data

This is a sub-catalogue of the main GeoHive site and hosts open geospatial data published via the GeoHive platform

Search the catalogue or browse categories below

Agriculture, Fisheries & Food | Arts, Culture & Heritage | Justice, Legal & Public Safety | Economy & Finance | Education & Sport

Energy | Environment | Government & Public Sector | Health | Housing & Zoning

Population & Society | Regions & Cities | Science & Technology | Transport

Tailte Éireann | GeoHive

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Deprivation Index conceptual design

Deprivation is of an absence – of essential or desirable attributes, possessions and opportunities which are considered no more than the minimum by that society.

(Coombes et al., 1995)

Deprivation Index conceptual design

Demographic Decline (predominantly rural)

- Population loss and the social and demographic effects of emigration (age dependency, low education of adult population)

Social Class Deprivation (equally rural and urban)

- Job types, education, housing quality

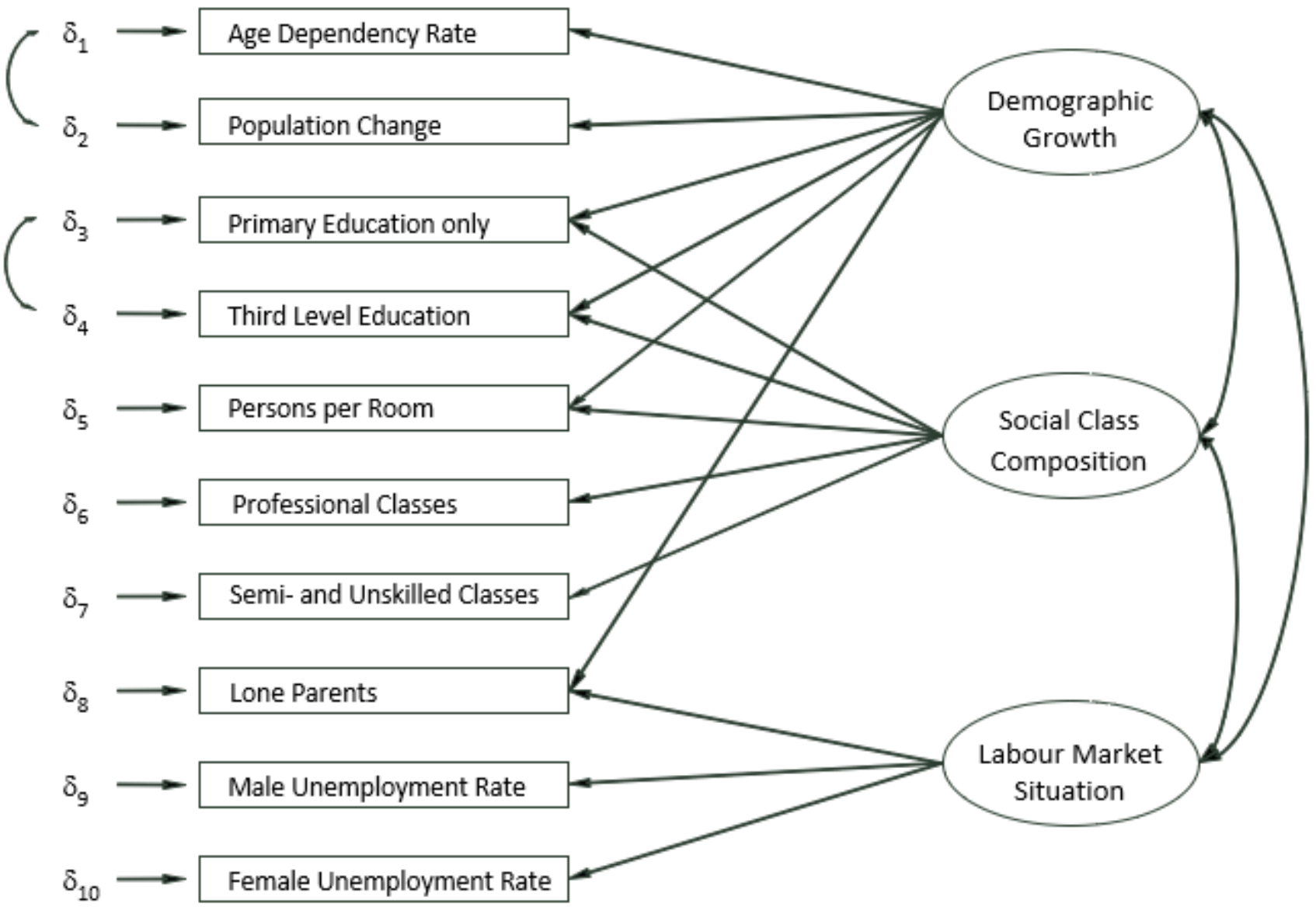
Labour Market Deprivation (predominantly urban)

- Unemployment, lone parents, low skills base

Pobal HP Deprivation Index

Commissioned by Pobal every 5 years and constructed by Trutz Hasse and Jonathan Pratschke

A structural equation model using Confirmatory Factor Analysis.



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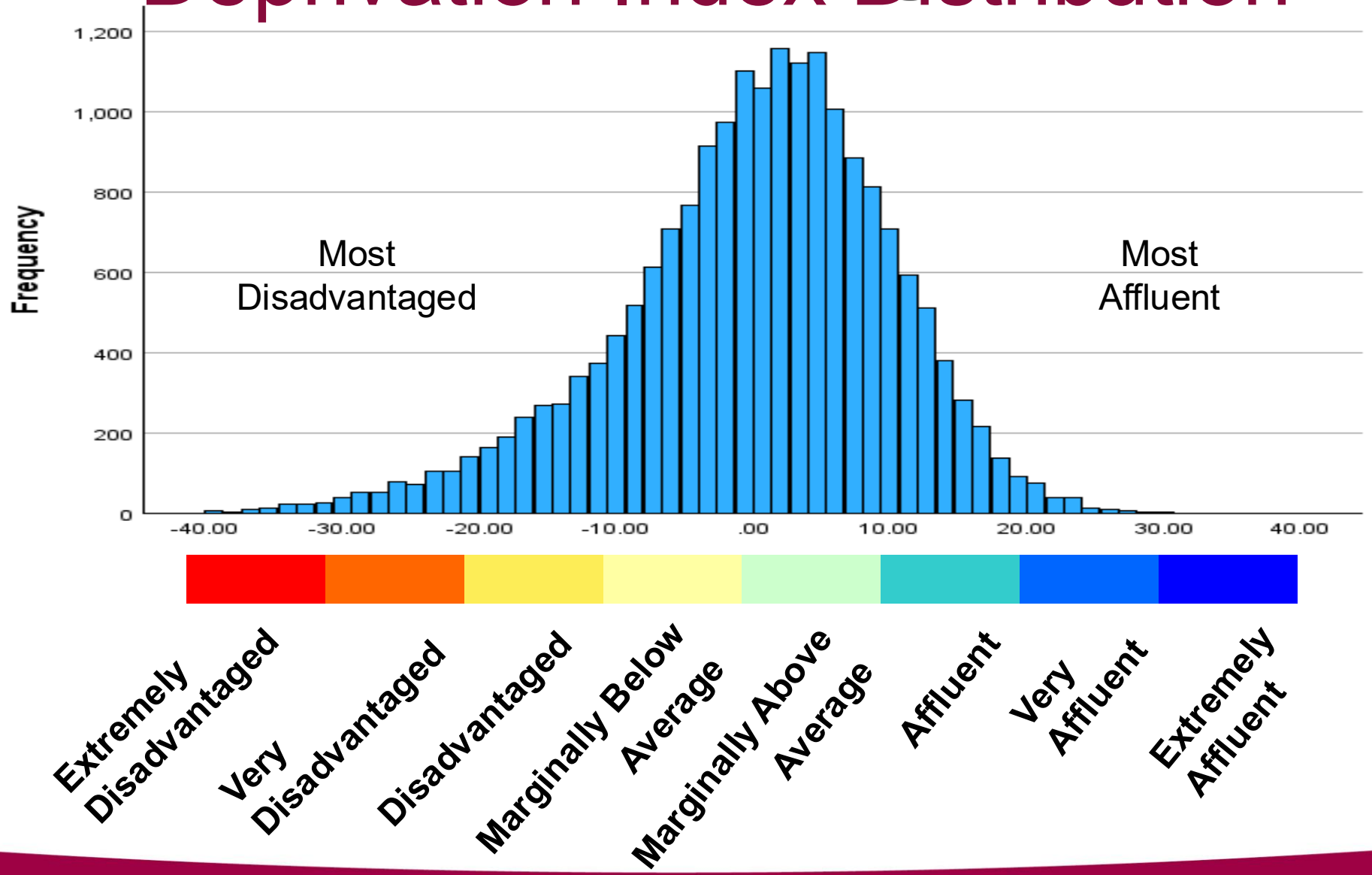
Deprivation Index Distribution



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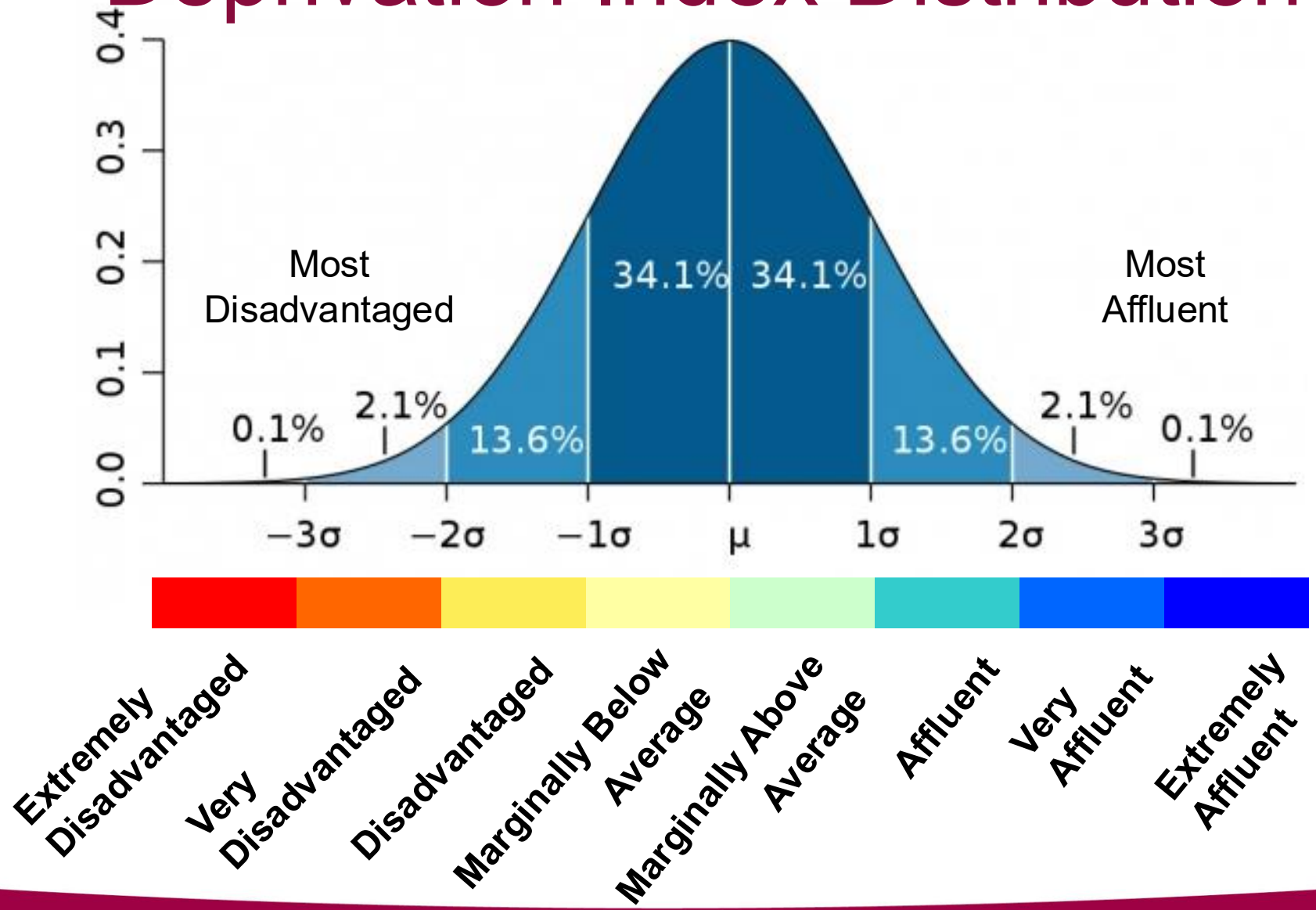
Deprivation Index Distribution



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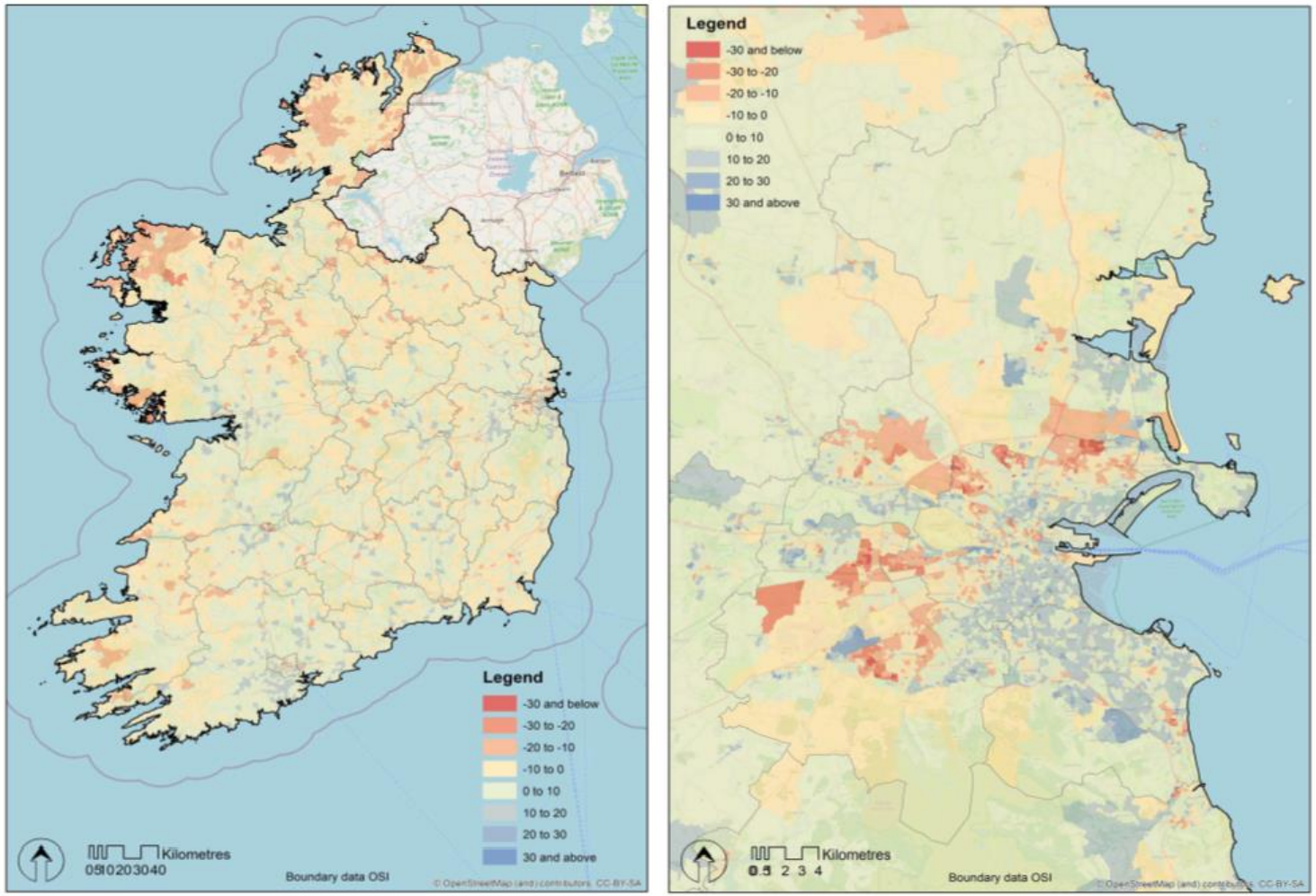
The Pobal HP Deprivation Index



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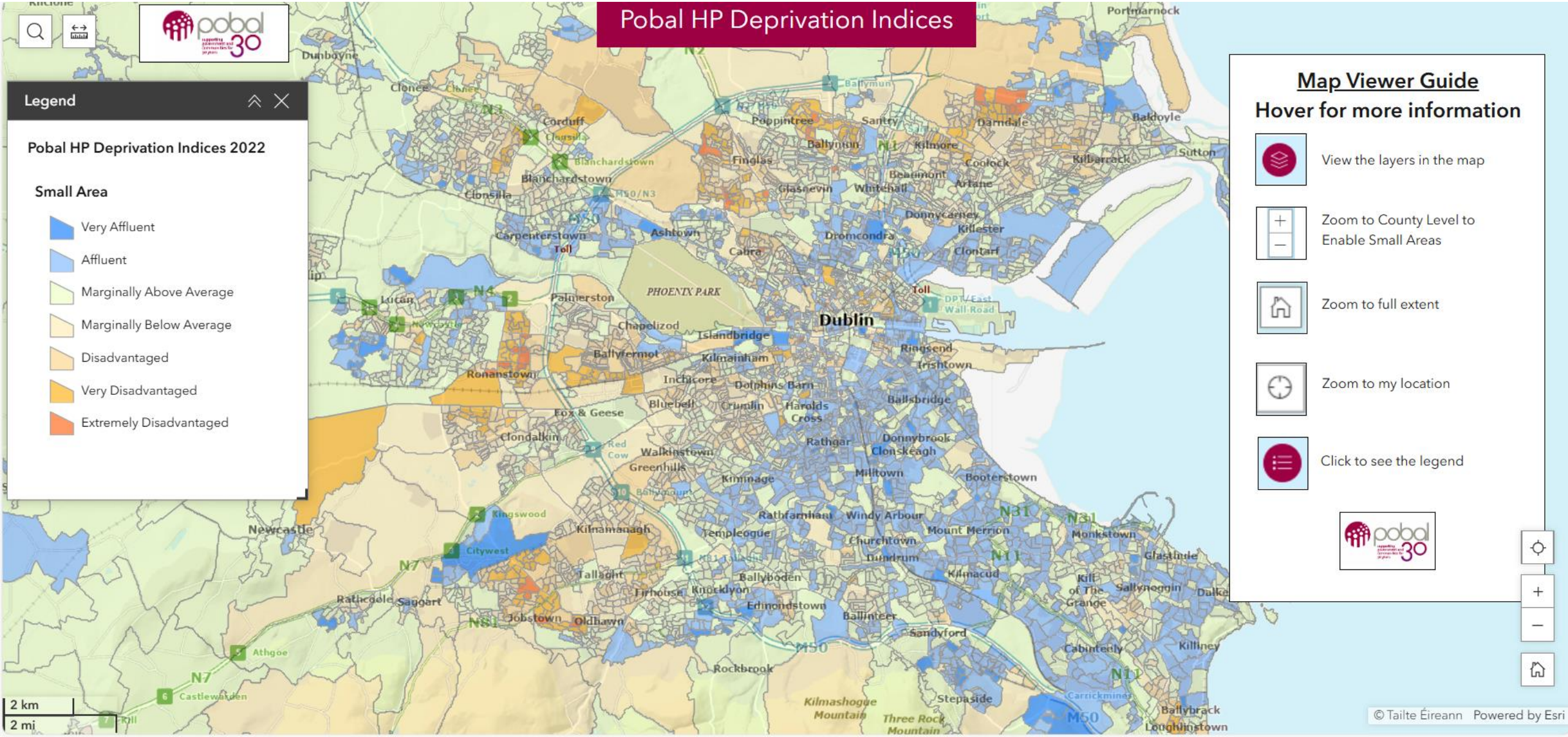
Urban Areas



Pobal HP Deprivation Indices
Legend
Pobal HP Deprivation Indices 2022
Small Area
Very Affluent
Affluent
Marginally Above Average
Marginally Below Average
Disadvantaged
Very Disadvantaged
Extremely Disadvantaged
Map Viewer Guide
Hover for more information
View the layers in the map
Zoom to County Level to Enable Small Areas
Zoom to full extent
Zoom to my location
Click to see the legend
Dublin
PHOENIX PARK
2 km
2 mi
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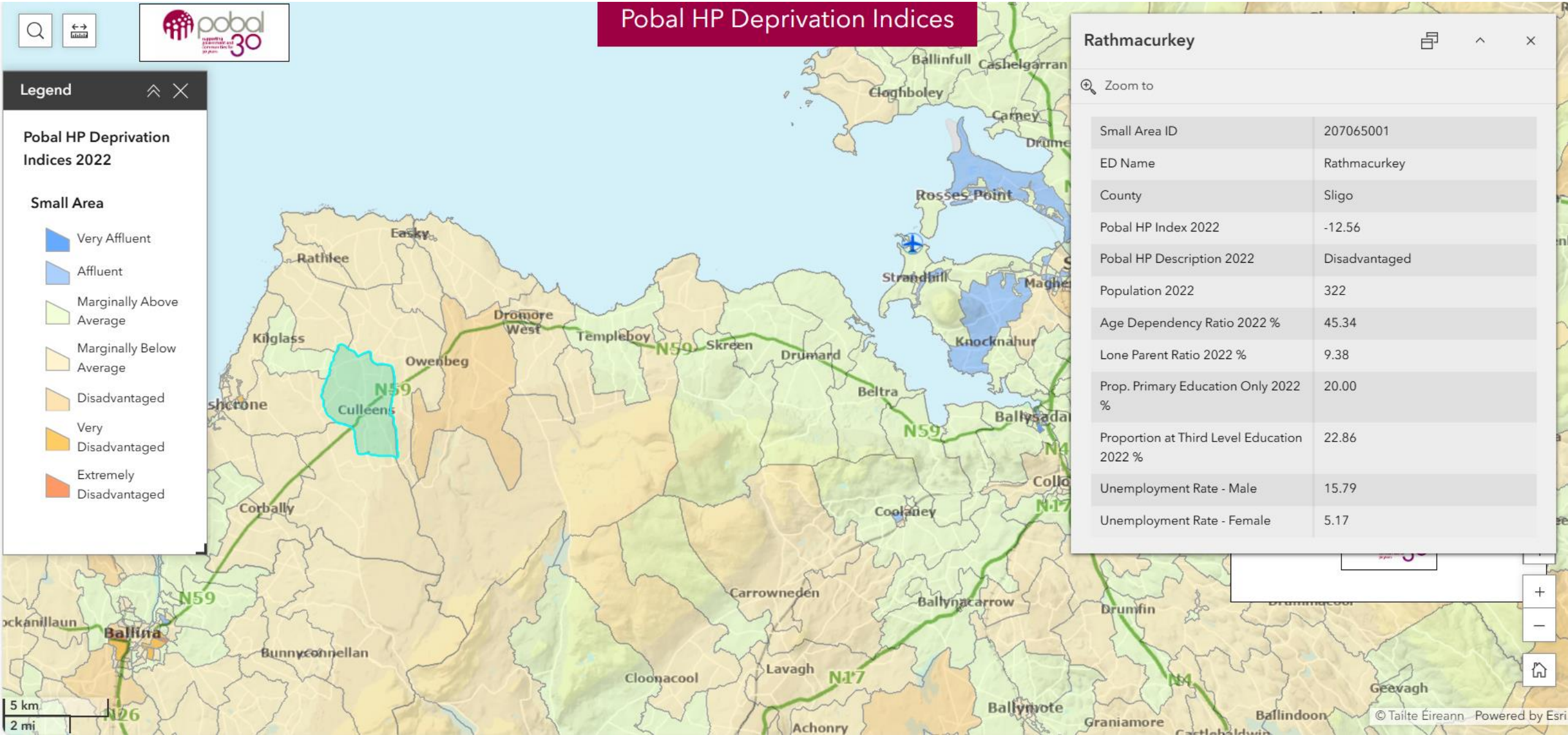
Rural Areas


Pobal HP Deprivation Indices
Legend
Pobal HP Deprivation Indices 2022
Small Area
Very Affluent
Affluent
Marginally Above Average
Marginally Below Average
Disadvantaged
Very Disadvantaged
Extremely Disadvantaged
Rathmacurkey
Zoom to
Small Area ID 207065001
ED Name Rathmacurkey
County Sligo
Pobal HP Index 2022 -12.56
Pobal HP Description 2022 Disadvantaged
Population 2022 322
Age Dependency Ratio 2022 % 45.34
Lone Parent Ratio 2022 % 9.38
Prop. Primary Education Only 2022 % 20.00
Proportion at Third Level Education 2022 % 22.86
Unemployment Rate - Male 15.79
Unemployment Rate - Female 5.17
Ballinfull
Cashelgarran
Cloghboley
Carney
Rosses Point
Strandhill
Knocknahur
Easky
Rathlee
Dromore West
Templeboy
Skreen
Drumard
Beltra
Kilglass
Owenbeg
Culleens
Corbally
Coolaney
Carrowneden
Ballynacarrow
Drumfin
Bunnyconnellan
Cloonacool
Lavagh
Ballymote
Achonry
Graniamore
Ballindoon
Geevagh
N59
N17
N4
N26
5 km
2 mi
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Releasing the data

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	ED_ID_STR	ED_ENGLISH	Index22_ED_std_	Index22_ED_st	Index22_ED_	Index22_ED_rel_wt_lab	TOTPOP22	AGEDEP22	LONEPA22	EDLOW_22	EDHIGH22	HLPROF22	LCLAS
2	017001	AGHA	9.41	7.22	5.00	Marginally Above Average	419.00	34.13	5.77	7.58	44.32	49.40	
3	017002	BALLINACARRIG	3.21	1.88	5.00	Marginally Above Average	1,122.00	36.72	12.93	7.88	49.01	47.68	
4	017003	BALLINTEMPLE	1.94	0.38	5.00	Marginally Above Average	599.00	34.39	13.56	9.64	38.58	37.40	
5	017004	BALLON	-1.02	-2.43	4.00	Marginally Below Average	788.00	36.42	24.44	10.23	38.14	31.47	
6	017005	BALLYELLIN	-4.41	-5.13	4.00	Marginally Below Average	451.00	37.03	9.30	11.03	32.76	35.25	
7	017006	BALLYMOON	4.70	2.93	5.00	Marginally Above Average	351.00	36.18	10.26	14.23	38.08	37.61	
8	017007	BALLYMURPHY	1.40	0.40	5.00	Marginally Above Average	282.00	37.59	3.13	13.23	34.39	45.39	
9	017008	BORRIS	-7.43	-7.86	4.00	Marginally Below Average	1,084.00	41.97	19.63	10.84	29.39	31.73	
10	017009	BURTON HALL	6.24	4.52	5.00	Marginally Above Average	529.00	36.86	16.67	7.31	43.57	48.96	
11	017010	CARLOW RURAL	-2.21	-3.59	4.00	Marginally Below Average	16,203.00	33.19	24.77	8.76	39.06	32.28	
12	017011	CARLOW URBAN	-8.16	-9.06	4.00	Marginally Below Average	5,049.00	29.69	28.46	14.53	32.08	24.86	
13	017012	CLOGRENAN	1.67	0.07	5.00	Marginally Above Average	1,138.00	34.80	14.60	11.07	35.93	38.84	
14	017013	CLONEGALL	-0.28	-1.54	4.00	Marginally Below Average	1,105.00	37.56	11.01	15.02	32.41	36.74	
15	017014	CLONMORE	-0.42	-1.68	4.00	Marginally Below Average	548.00	35.04	13.21	13.54	31.22	37.23	
16	017015	COONOGUE	-2.77	-3.42	4.00	Marginally Below Average	211.00	36.49	10.53	20.14	36.69	41.71	
17	017016	CORRIES	0.90	-0.32	5.00	Marginally Above Average	560.00	38.39	14.52	12.57	34.43	40.54	
18	017017	CRANEMORE	-3.54	-4.44	4.00	Marginally Below Average	1,218.00	38.67	14.29	12.01	33.80	34.24	
19	017018	FENNAGH	1.02	-0.55	5.00	Marginally Above Average	857.00	37.81	12.84	11.69	37.36	38.86	
20	017019	GARRYHILL	-1.61	-2.77	4.00	Marginally Below Average	648.00	36.88	16.18	11.44	31.58	38.58	
21	017020	GLYNN	-0.64	-1.31	4.00	Marginally Below Average	395.00	39.75	9.30	11.15	36.54	49.11	
22	017021	GRANGEFORD	1.16	-0.22	5.00	Marginally Above Average	589.00	39.90	15.38	10.25	36.84	38.54	
23	017022	HACKETSTOWN	-10.24	-10.69	3.00	Disadvantaged	1,226.00	37.28	24.82	14.11	22.72	26.43	
24	017023	HAROLDSTOWN	-0.60	-2.35	4.00	Marginally Below Average	314.00	34.08	10.34	13.73	30.88	28.34	
25	017024	JOHNSTOWN	4.64	3.17	5.00	Marginally Above Average	610.00	38.85	13.21	10.25	42.00	47.38	
26	017025	KELLISTOWN	3.88	2.41	5.00	Marginally Above Average	982.00	32.89	18.28	9.40	40.53	45.52	
27	017026	KILBRIDE	0.63	-0.35	5.00	Marginally Above Average	458.00	38.86	14.29	11.72	38.62	41.92	
28	017027	KILLEDMOND	0.91	-0.18	5.00	Marginally Above Average	458.00	35.59	12.00	9.84	40.95	52.62	
29	017028	KILLERRIG	8.37	6.25	5.00	Marginally Above Average	395.00	31.65	7.69	6.49	43.51	47.59	
30	017029	KINEAGH	1.92	0.46	5.00	Marginally Above Average	371.00	30.73	12.12	14.11	32.66	39.89	

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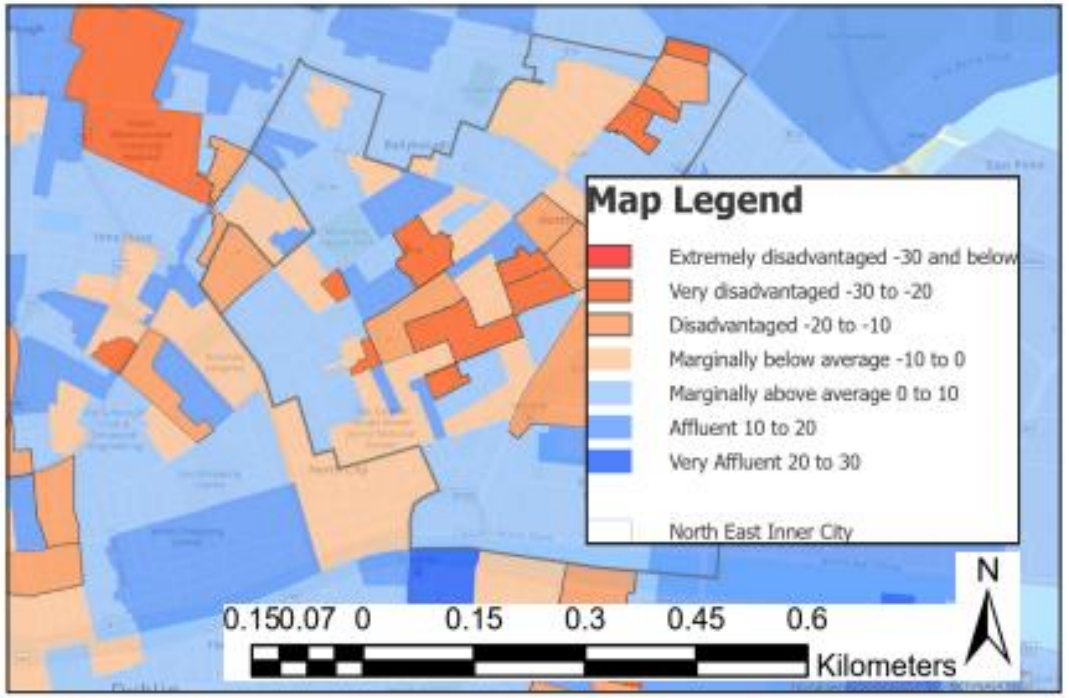
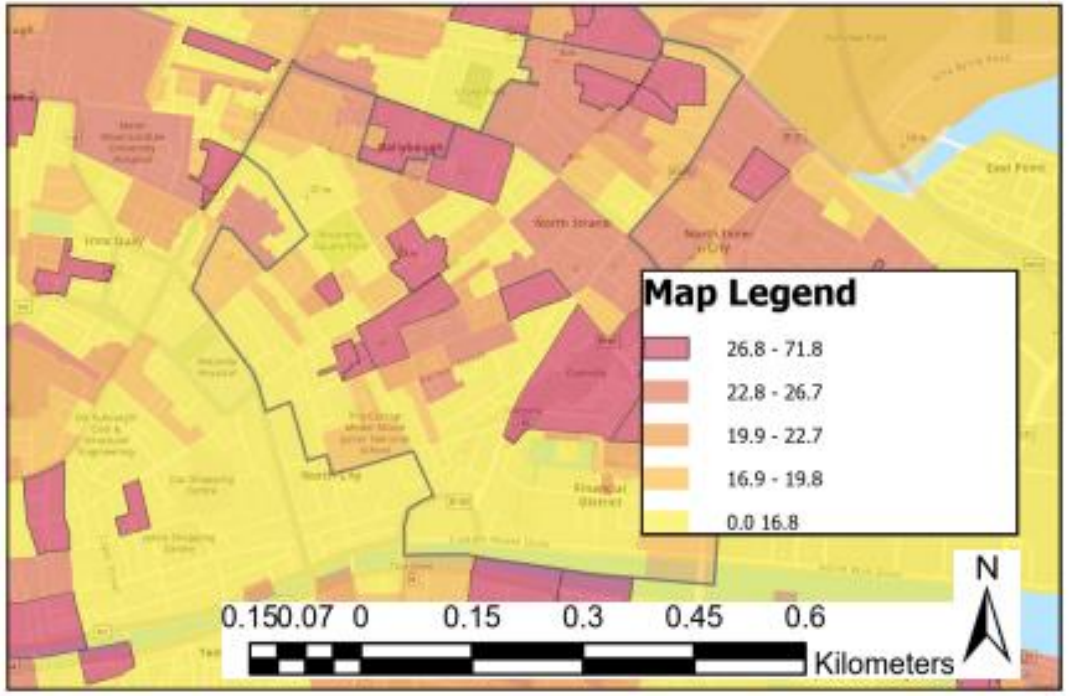
Disability: Spatial Correlations

Dublin Inner City

Map 1: Small Areas with HP Index in Dublin Inner City (Disadvantaged, Very and Extremely Disadvantages)



Map 2: Small Areas with Quantile Disability Ratio (%) in Dublin Inner City



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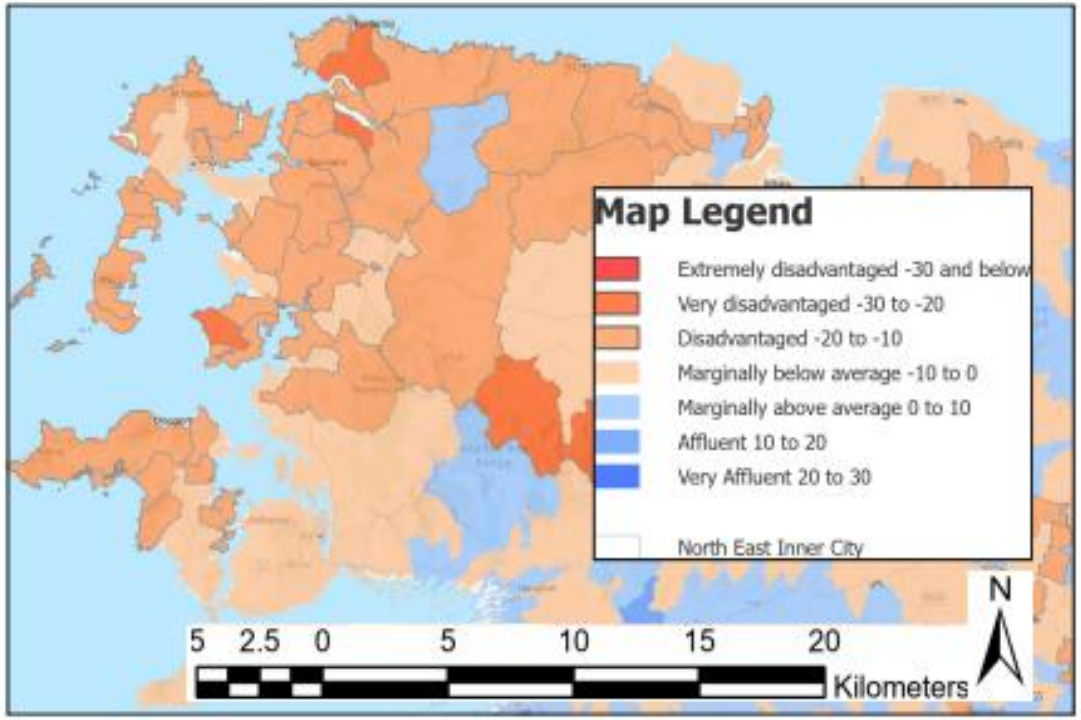
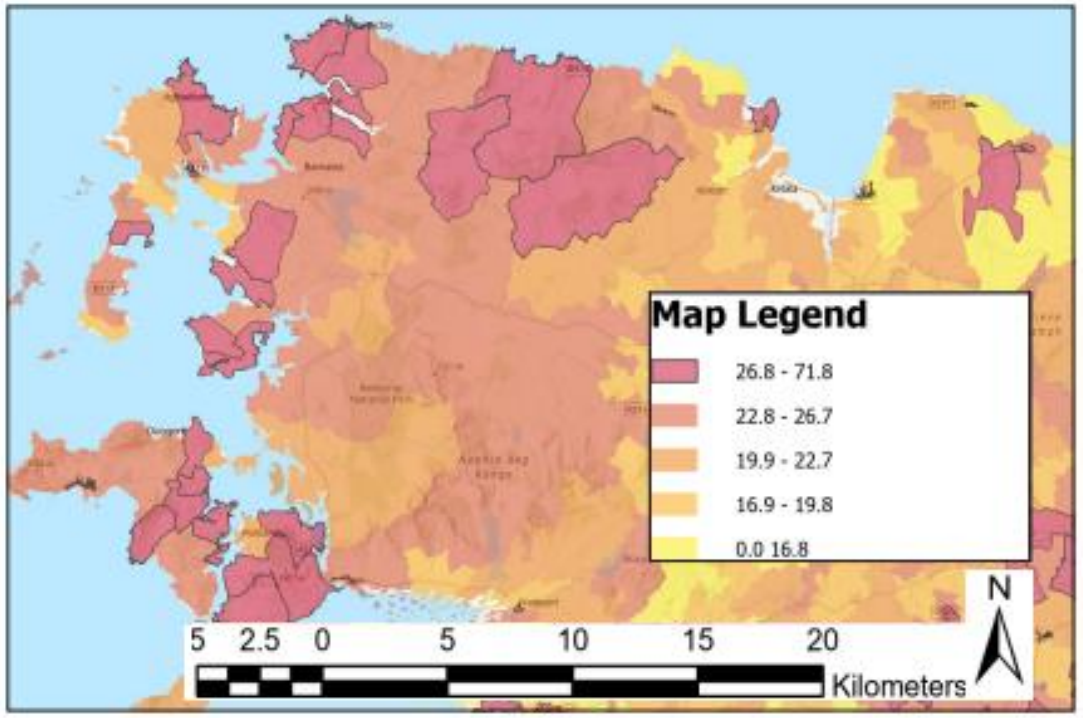
Disability: Spatial Correlations

Rural Mayo

Map 3: Small Areas with HP Index in County Mayo (Disadvantaged, Very and Extremely Disadvantaged)



Map 4: Small Areas with Quantile Disability Ratio (%) in County Mayo



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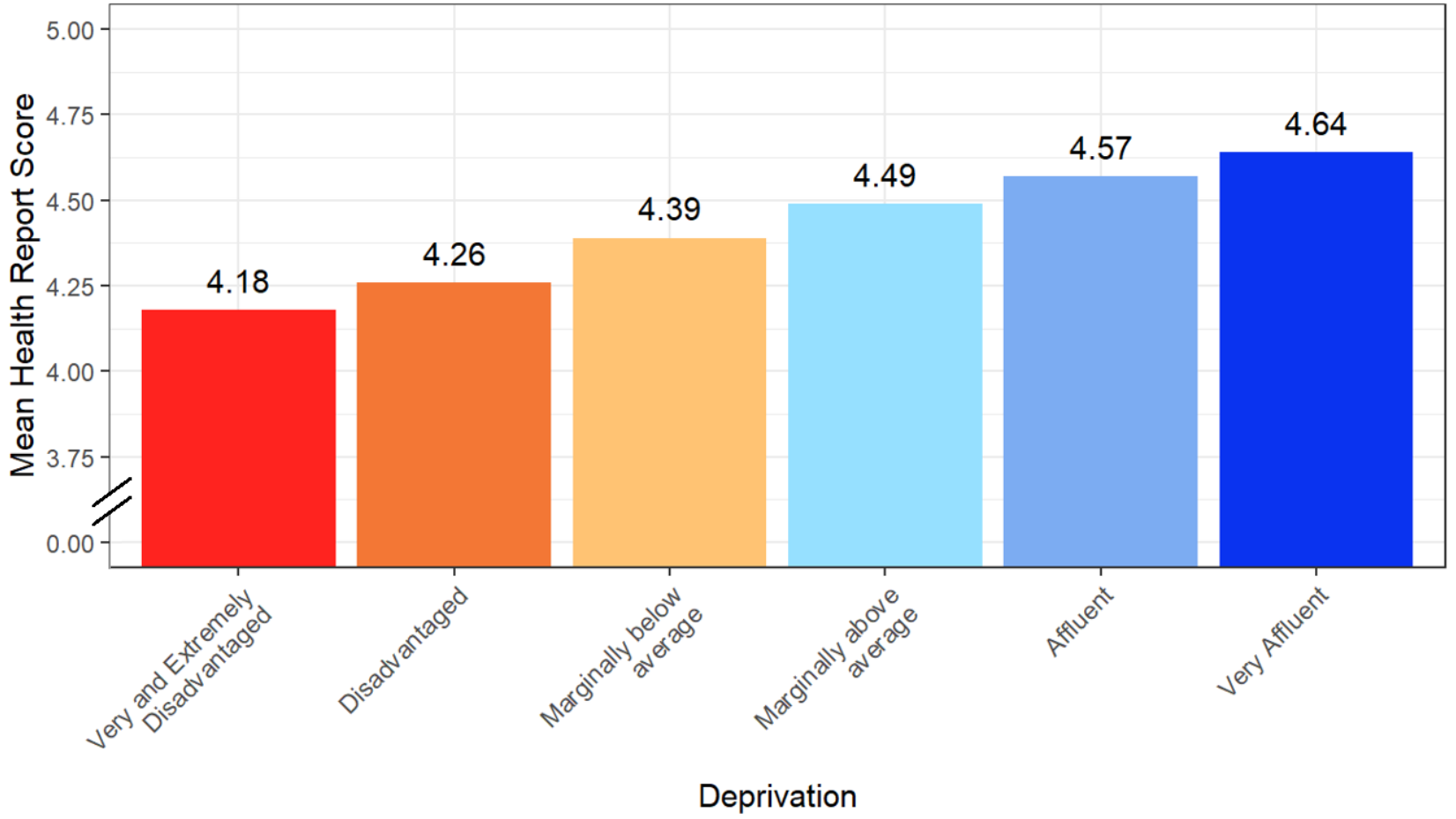
Self Reported Health Correlations



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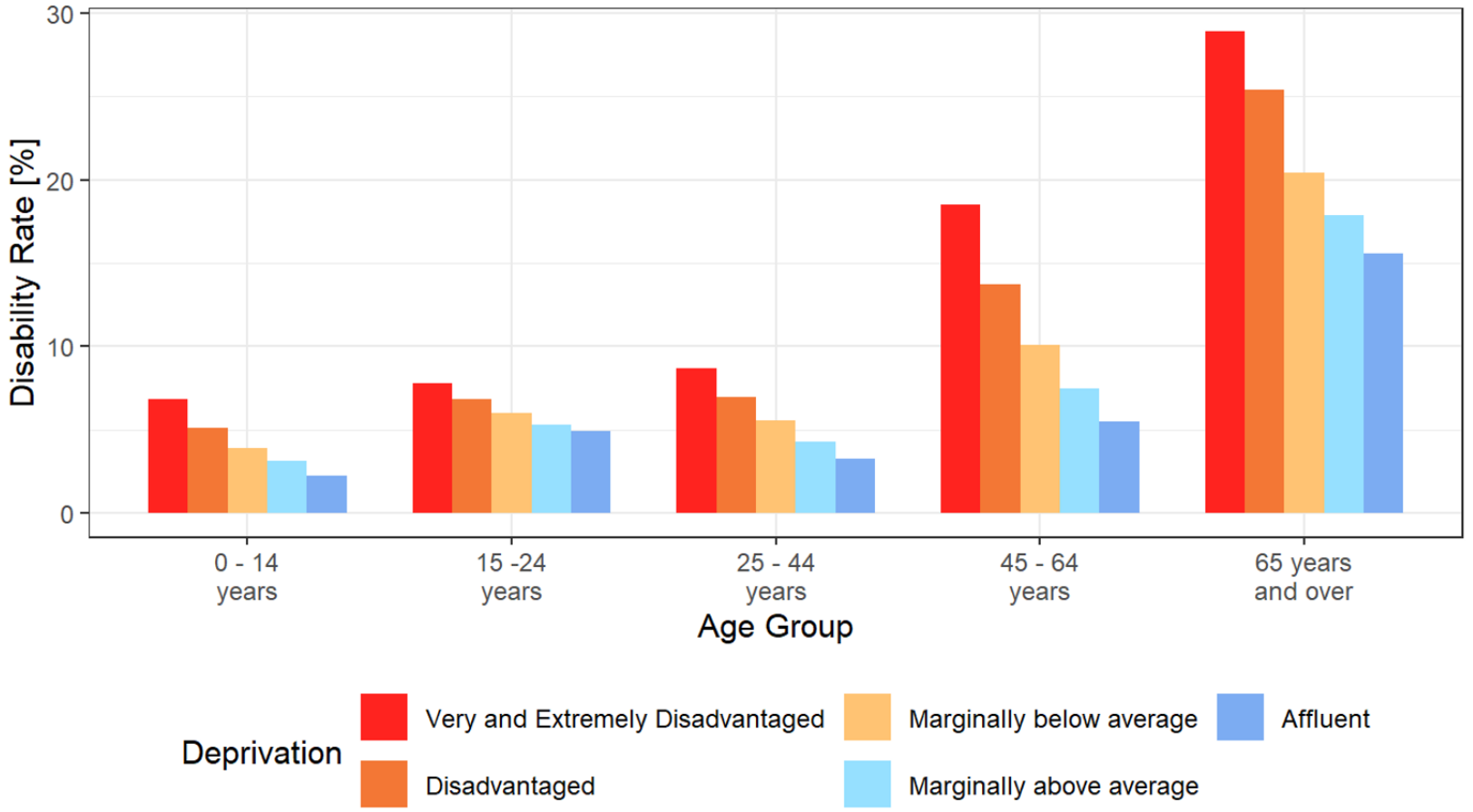
Disability Correlations



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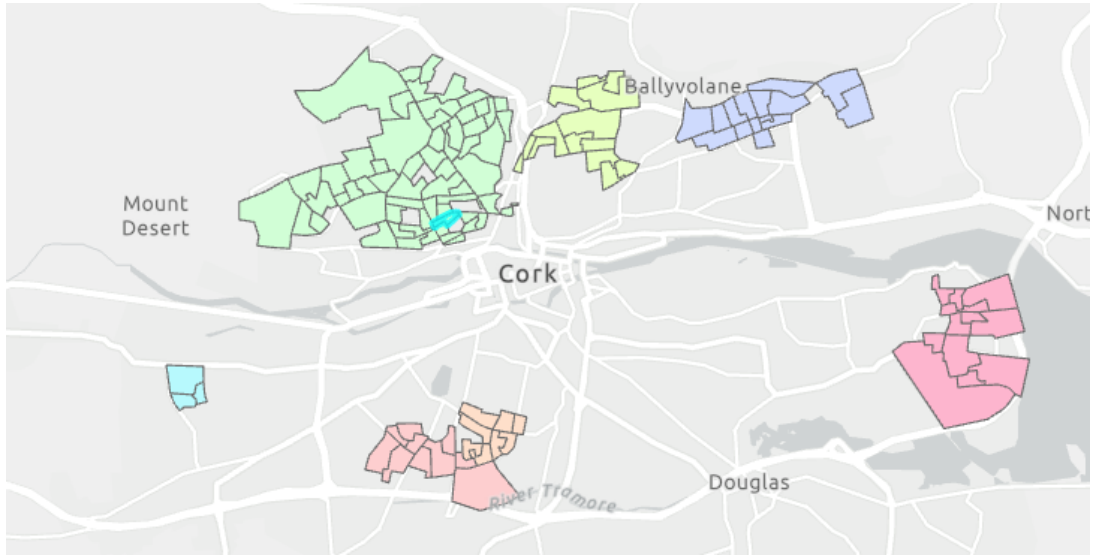
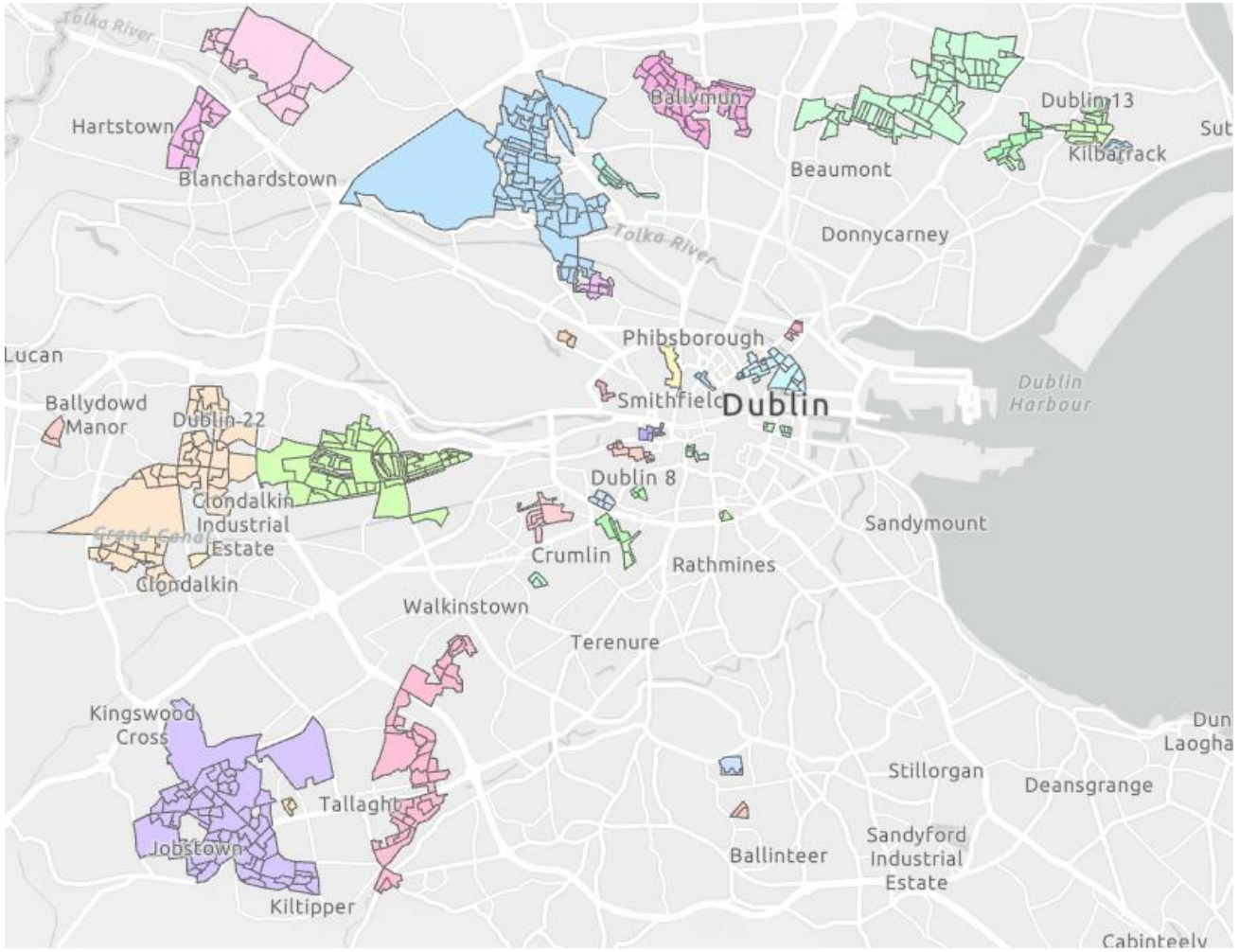
Disadvantaged Community Detection

Application of Graph Theory

Deprivation of -10 and less





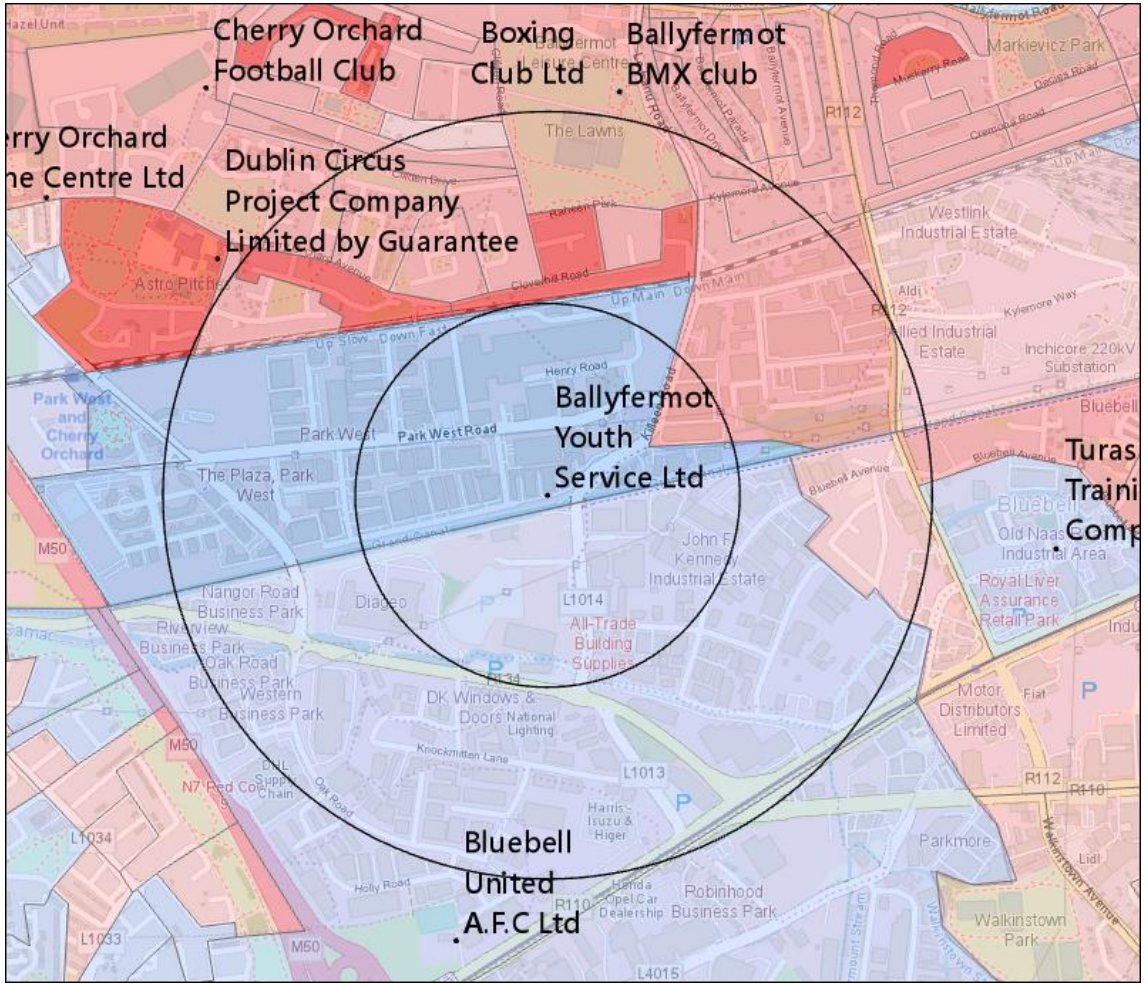
Bespoke Radial Model

Change from Small Area score to Bespoke area

Bespoke areas that uses distance-based boundaries and population density

Remove arbitrary nature of human drawn boundaries

Fairer deprivation representation



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Deprivation is Part of the Allocation Model

Multiple parameters in an allocation model include deprivation ensure disadvantages areas are recognised.

JTF_Region	Employment	Population	Bog Area	Deprivation	Environmental
[illegible]	5.5%	5.2%	12.9%	5.8%	10.7%
[illegible]	2.2%	16.7%	15.7%	10.8%	5.0%
[illegible]	0.0%	16.1%	3.7%	14.7%	23.5%
[illegible]	8.0%	8.2%	13.4%	10.4%	13.1%
[illegible]	48.9%	14.5%	34.0%	17.6%	9.9%
[illegible]	14.7%	12.3%	7.0%	10.8%	13.8%
[illegible]	17.9%	10.1%	6.2%	14.0%	10.9%
[illegible]	2.7%	16.8%	7.1%	15.9%	13.1%

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The Open Data Loop

	A	E	DR	DS	DT
1	GUID	UR_Category	T1_2TF	T1_2SGLT	T1_2MART
2	4c07d11e-11d3-851(	4. Rural area:	209	205	186
3	4c07d11e-123a-851(	4. Rural area:	167	151	167
4	4c07d11e-14b1-851(	3. Independe	183	182	126
5	bf640964-28f3-4ccf-	4. Rural area:	234	206	198
6	4c07d11d-f709-851d	5. Rural area:	131	117	114
7	4c07d11e-1237-851(	5. Rural area:	178	149	164
8	4c07d11e-0a04-851(	5. Rural area:	167	183	118
9	4c07d11e-1234-851(	6. Highly rur	104	99	75
10	4c07d11e-1493-851(	5. Rural area:	126	126	113
11	4c07d11e-10d9-851(	6. Highly rura	124	107	104
12	4c07d11e-10d7-851(	6. Highly rura	105	102	88
13	4c07d11d-f701-851d	4. Rural area:	168	165	161
14	4c07d11d-f663-851d	5. Rural area:	140	140	128
15	4c07d11e-10d6-851(	4. Rural area:	168	167	184
16	4c07d11e-0a22-851(	6. Highly rura	155	149	104
17	4c07d11e-1d96-851(	6. Highly rura	216	213	130
18	4c07d11e-1246-851(	4. Rural area:	140	148	113
19	4c07d11e-14cf-851d	5. Rural area:	121	122	108
20	4c07d11e-14af-851d	5. Rural area:	109	115	87
21	4c07d11e-1da6-851(	3. Independe	151	174	85
22	4c07d11e-1242-851(	5. Rural area:	141	122	137
23	4c07d11e-14cc-851(	3. Independe	149	141	134
24	4c07d11e-0a25-851(	3. Independe	207	346	80
25	4c07d11e-1da5-851(	3. Independe	139	160	109

Open Data

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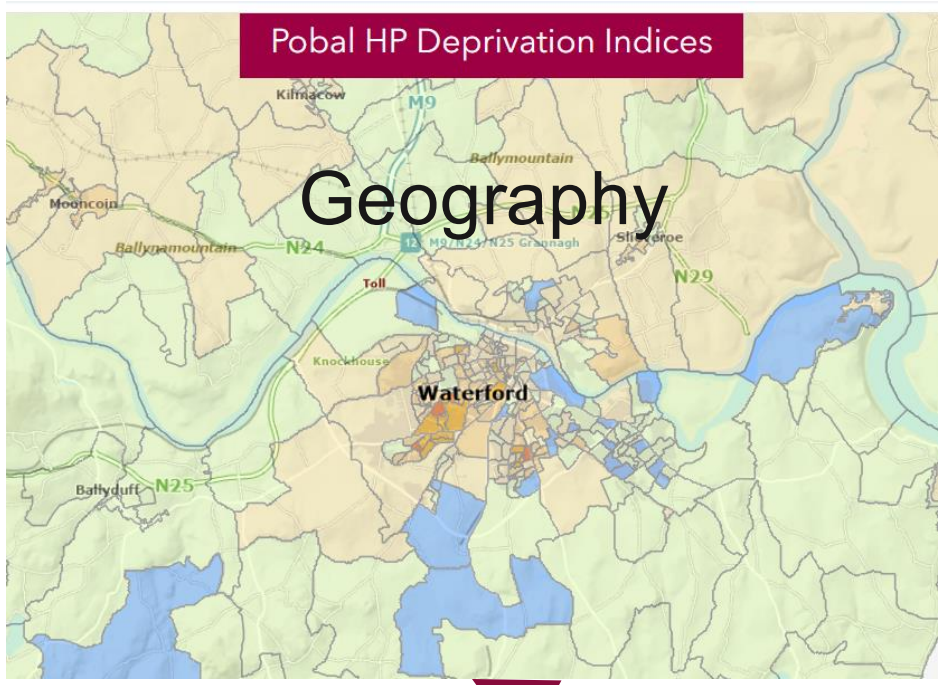
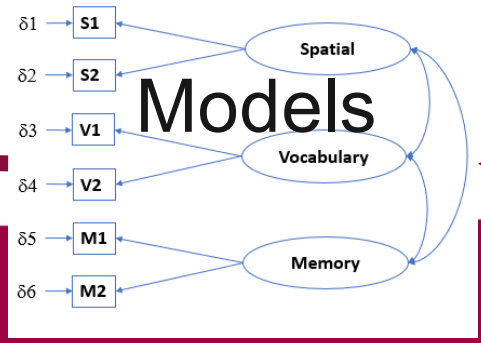
The Open Data Loop





Open Data

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9	4c07d11e-1234-851(	6. Highly rur	104	99	75
10	4c07d11e-1493-851(	5. Rural area:	126	126	113
11	4c07d11e-10d9-851(	6. Highly rura	124	107	104
12	4c07d11e-10d7-851(	6. Highly rura	105	102	88
13	4c07d11d-f701-851d	4. Rural area:	168	165	161
14	4c07d11d-f663-851d	5. Rural area:	123	140	128
15	4c07d11e-10d6-851(	4. Rural area:	168	167	184
16	4c07d11e-0a22-851(	6. Highly rura	155	149	104
17	4c07d11e-1d96-851(	6. Highly rura	216	213	130
18	4c07d11e-1246-851(	4. Rural area:	140	148	113
19	4c07d11e-14cf-851d	5. Rural area:	121	122	108
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21	4c07d11e-1da6-851(	3. Independe	151	174	85
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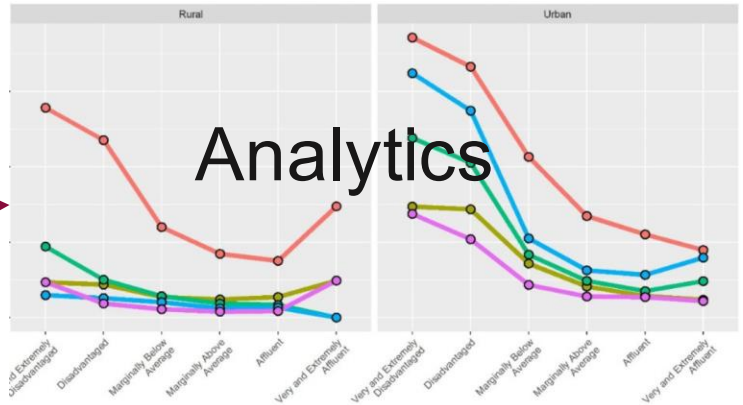

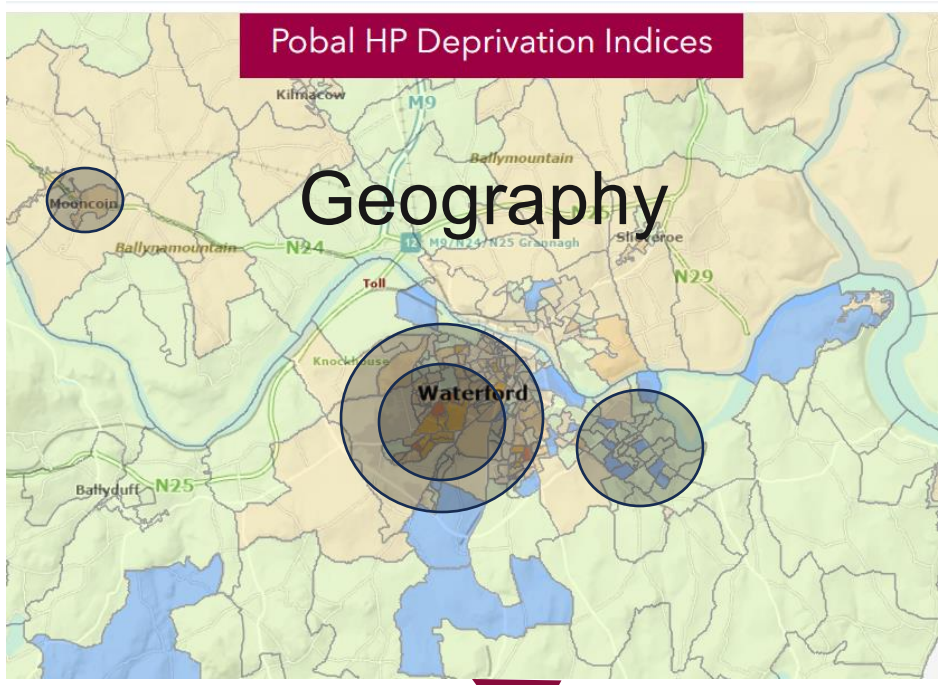

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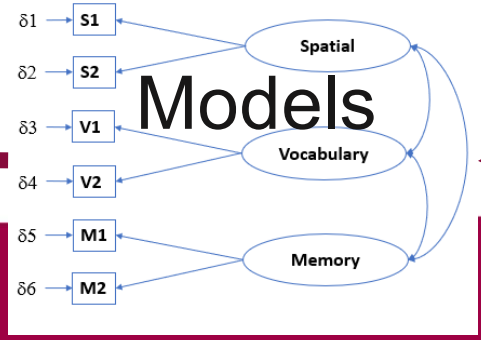

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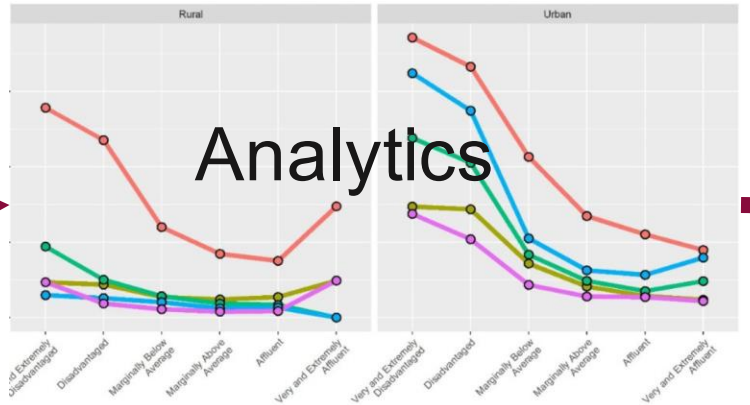
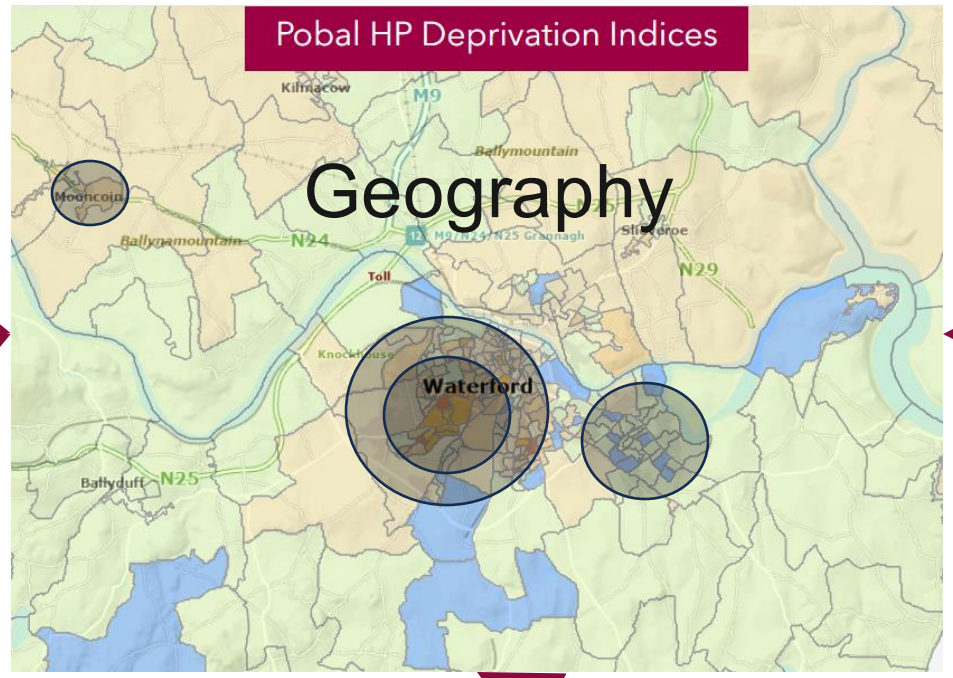


Analytics

Insights through experimentation

Open Data



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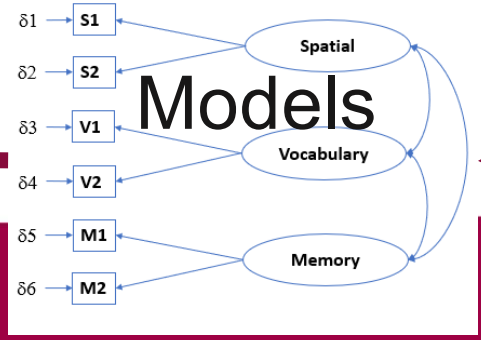

Models

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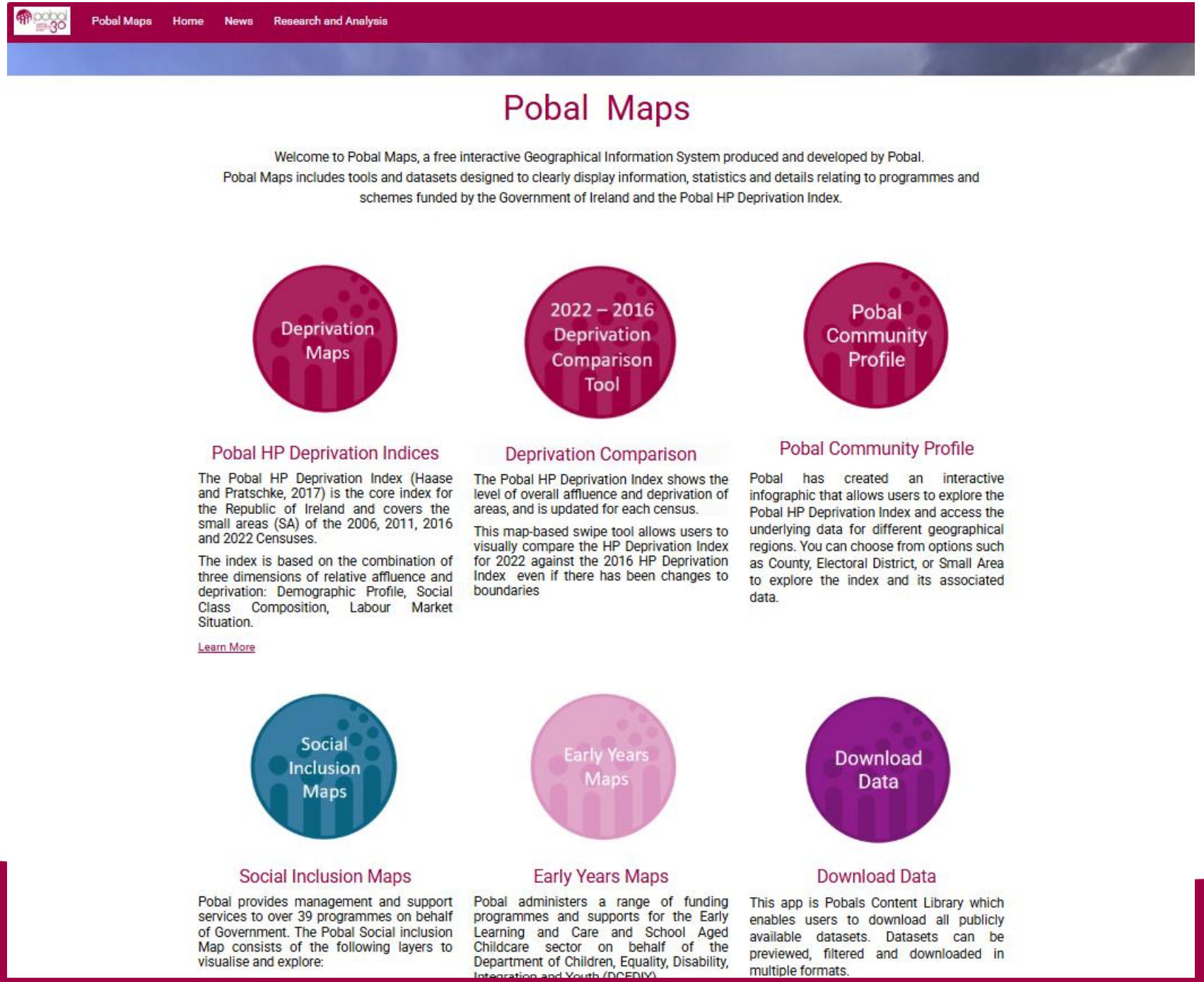
What Open Data Has Enabled Us To Do?

- Provide data for mathematical models of area-based deprivation.
- Creates an unbiased, objective view of an area.

Helps us

- Spot areas that need support
- Guide policy decisions
- See correlations with other independent variables
- Find patterns in the data



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Thank you

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Q&A session

Carlijn de Smet
European Data Portal, Publications Office of the EU

Solana Larsen
AI Literacy Lead at the Open Knowledge Foundation

Johanna Walker
Research and Teaching Fellow at King's College London

Patrick Collins
Principal Data Scientist at Pobal

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Stay up-to-date on our 2026 activities!

data.europa academy

Register for our upcoming webinar!

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Continue the discussion after the webinar!

Open data as a public good: evidence-based development across territories

Submitted by Hannah KROKER on Thu, 26/02/2026 - 15:56

Topic: Academy webinars

You have watched our **webinar onopen data as a public good** and want to **celebrate the Open Data Day** with us? Share your thoughts on the topic of rural development and data in the comments below!

While the focus often lies on data use in urban areas, such as smart cities, data also plays a crucial role for rural populations. In our webinar, we heard about the **importance of strengthening its collection and reuse in rural areas** and how it can be used to combat health inequalities through initiatives like Pobal.

Have you come across or participated in initiatives that leverage open data in rural areas? What challenges do such projects face and how could they be overcome?

Let us know in the comments below!

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Your opinion is important to us

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Thank you!

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