



GeoPostcodes

The most comprehensive
postal database in the world

Population data Administrative Divisions



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Introduction

GeoPostcodes is a Belgium-based company specializing in postal data sets.

With over 15 years of experience in the collection, treatment, and enrichment of postal information at a worldwide scale, we pride ourselves in offering the most accurate and stable data on the market.

Our products include datasets about administrative regions, ZIP/postal codes, localities, streets, and postal boundaries. Each product is the result of a careful data analysis, curation and data quality improvement process combining a multitude of sources using proprietary GeoPostcodes data processing and GIS tools.

Our files are fully geocoded and provided in a plain and simple, consistent format, easily importable in any DBMS or geographic information systems (GIS).

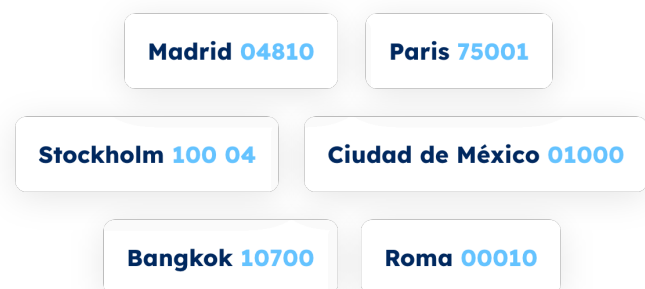
We aim to help our customers achieve their goals by providing them with the most accurate and up-to-date data about the world.

GeoPostcodes currently develops and maintains 5 products:

- a postal database;
- an address database;
- a postal boundaries database;
- an administrative boundaries database
- a population database.

Postal database

Our postal database includes **all relevant postal information at the town, village, neighborhood, and suburb level**. For every country in the world, it contains the administrative divisions, the localities, and their related ZIP/postal codes, as well as



geocodes to link the data with other data sources.

Typical use cases leveraging the postal database are **ERP integration for services and logistics (including shipping distance estimation) and master data management**. It can also be used to validate forms, create regional reports, etc.

Address database

Our address database includes the postal database and extends it with street and house number information. It contains all administrative divisions, localities, streets, and related ZIP/postal codes of a country, as well as geocodes to link the data with other data sources.



The address database is relevant for the same use cases as the postal database (ERP integration, master data management, address validation), with an extra layer of streets and, consequently, more precise information (streets, house numbers) and coordinates.

Postal and Administrative Boundaries databases

The Postal and Administrative Boundaries databases provide the areas covered, respectively, by postal codes and administrative divisions. They are delivered as vector postal boundaries, coming from a topological model that ensures adjacent polygons perfectly match together (boundaries are shared).

The postal or administrative boundaries database is the product you need if you want to display your data on a map (e.g., sales figures per postal code or administrative division) or assign events to their area (postal code or administrative division) from their coordinates (e.g., geofencing).

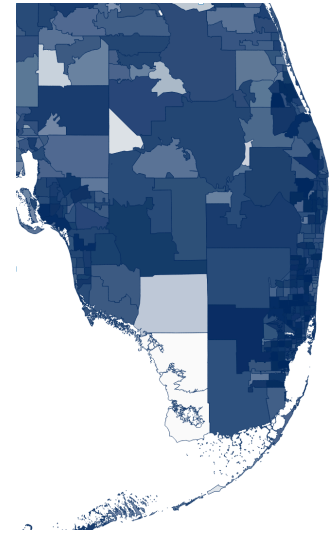


Population database

The Population database includes the population trends for administrative divisions and postal/zip code areas. Each entity (administrative division or postal code) gives the current number of residing people, past figures, and future projections.

With the population database, you can now identify unused market potential, map ad campaigns, and perform internal reporting based on audience distribution.

The data covers a span of 50 years and extends to all 247 countries. It's completely standardized across countries, pre-aggregated, and ready to use. It can be integrated into your software of choice and is compatible with our boundaries database for in-depth area mapping.



Population Data - Administrative

Our population dataset leverages data with global coverage to assign the total number of people (population) living in each administrative division. The data gives temporal insight into population trends across the past, present, and future, from 1975 to 2030 with 5-year intervals.

Variants

Two variants of the datasets can be licensed:

- 1 Year: Population for the closest available year
- All Years: Includes population estimates for all available years, i.e. from 1975 to 2030 with 5-year intervals.

Data Design - Closest year

The data is delivered as a csv file (semicolon separator), with the following fields:

Field name	Field type	Description	Comments
ISO	Char(2)	ISO 3166-1 Country code	The ISO 3166-1 standard is published by the International Organization for Standardization (ISO) and defines a unique code for the name of each country. The country codes are represented as a two-letter code (alpha-2).
Country	Char(50)	Country name	
Language	Char(2)	Language code	When there are several official languages in the country, or for countries using a non-Latin alphabet, we provide a specific version for each record. The language field contains the language code and allows you to select a specific version.
Level	Integer	Administrative level	This field contains a value ranked from 0 to 4 to define the administrative division level , from the largest to the smallest (0 for the country, 4 for the smallest division).

			Depending on the country, only some levels may be available.
Type	Char(50)	Type of administrative division	The type of the administrative division (e.g. State, Province, District, Commune)
Name	Char(80)	Administrative division name	The name of the administrative division (e.g. "Illinois")
Region1	Char(80)	Administrative division level 1	These fields contain the name of administrative divisions for each available level. If not applicable, the value '-' will be indicated.
Region2	Char(80)	Administrative division level 2	
Region3	Char(80)	Administrative division level 3	

Region4	Char(80)	Administrative division level 4	
ISO2	Char(10)	ISO 3166-2 Region code	The ISO 3166-2 standard is published by the International Organization for Standardization (ISO) and defines codes for the names of the principal subdivisions of all countries. The codes for subdivisions are represented as the alpha-2 code for the country, followed by up to three characters.
FIPS	Char(10)	NGA Geopolitical code (formerly FIPS PUB 10-4)	The NGA Geopolitical codes (Formerly known as FIPS PUB 10-4) is a standard published by the U.S. National Geospatial Intelligence Agency and contains countries, dependencies, areas of special sovereignty and their principal administrative divisions.
NUTS	Char(10)	European statistical division code	The Nomenclature of Territorial Units for Statistics (NUTS) database is a standard provided by the European Commission for statistical purposes.
HASC	Char(12)	Hierarchical administrative	The Hierarchical administrative subdivision codes (HASC) are codes to represent names of country primary subdivisions, such as states, provinces, regions. The

		subdivision code	codes are alphabetic and have constant length for the first level subdivisions.
STAT	Char(20)	National statistics/census code	The statistical codes are codes defined by each National Statistical Offices.
gpc_id	Integer	Unique id for the administrative division	Useful if you want to join the population data to other GeoPostcode products. Attention, the gpc_id is linked to one entity, so the different denominations of an administrative division in different languages have the same gpc_id.
pop	Integer	Population living in the administrative division	The year taken is the closest available to the current year.

Sample data

iso	country	language	level	type	name	region1	region2	region3	region4	iso2	fips	nuts	hasc	stat	gpc_id	pop
AD	Andorra	CA	0	Country	Andorra	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	20,000,001	80,645
AD	Andorra	CA	1	Parròquies	Andorra la Vella	Andorra la Vella	[NULL]	[NULL]	[NULL]	AD-07	AN07	[NULL]	AD.AN	5	20,000,002	18,661
AD	Andorra	CA	1	Parròquies	Canillo	Canillo	[NULL]	[NULL]	[NULL]	AD-02	AN02	[NULL]	AD.CA	1	20,000,003	9,347
AD	Andorra	CA	1	Parròquies	Encamp	Encamp	[NULL]	[NULL]	[NULL]	AD-03	AN03	[NULL]	AD.EN	2	20,000,004	15,055
AD	Andorra	CA	1	Parròquies	Escaldes-Engordany	Escaldes-Engordany	[NULL]	[NULL]	[NULL]	AD-08	AN08	[NULL]	AD.EE	7	20,000,005	13,788
AD	Andorra	CA	1	Parròquies	La Massana	La Massana	[NULL]	[NULL]	[NULL]	AD-04	AN04	[NULL]	AD.MA	4	20,000,006	10,956
AD	Andorra	CA	1	Parròquies	Ordino	Ordino	[NULL]	[NULL]	[NULL]	AD-05	AN05	[NULL]	AD.OR	3	20,000,007	6,585
AD	Andorra	CA	1	Parròquies	Sant Julià de Lòria	Sant Julià de Lòria	[NULL]	[NULL]	[NULL]	AD-06	AN06	[NULL]	AD.JL	6	20,000,008	6,253

Data Design - All years

The data is delivered as a csv file (semicolon separator), with the following fields:

Field name	Field type	Description	Comments
ISO	Char(2)	ISO 3166-1 Country code	The ISO 3166-1 standard is published by the International Organization for Standardization (ISO) and defines a unique code for the name of each country. The country codes are represented as a two-letter code (alpha-2).
Country	Char(50)	Country name	
Language	Char(2)	Language code	When there are several official languages in the country, or for countries using a non-Latin alphabet, we provide a specific version for each record. The language field contains the language code and allows you to select a specific version.
Level	Integer	Administrative level	This field contains a value ranked from 0 to 4 to define the administrative division level , from the largest to the smallest (0 for the country, 4 for the smallest division).

			Depending on the country, only some levels may be available.
Type	Char(50)	Type of administrative division	The type of the administrative division (e.g. State, Province, District, Commune)
Name	Char(80)	Administrative division name	The name of the administrative division (e.g. "Illinois")
Region1	Char(80)	Administrative division level 1	These fields contain the name of administrative divisions for each available level. If not applicable, the value '-' will be indicated.
Region2	Char(80)	Administrative division level 2	
Region3	Char(80)	Administrative division level 3	

Region4	Char(80)	Administrative division level 4	
ISO2	Char(10)	ISO 3166-2 Region code	The ISO 3166-2 standard is published by the International Organization for Standardization (ISO) and defines codes for the names of the principal subdivisions of all countries. The codes for subdivisions are represented as the alpha-2 code for the country, followed by up to three characters.
FIPS	Char(10)	NGA Geopolitical code (formerly FIPS PUB 10-4)	The NGA Geopolitical codes (Formerly known as FIPS PUB 10-4) is a standard published by the U.S. National Geospatial Intelligence Agency and contains countries, dependencies, areas of special sovereignty and their principal administrative divisions.
NUTS	Char(10)	European statistical division code	The Nomenclature of Territorial Units for Statistics (NUTS) database is a standard provided by the European Commission for statistical purposes.
HASC	Char(12)	Hierarchical administrative	The Hierarchical administrative subdivision codes (HASC) are codes to represent names of country primary subdivisions, such as states, provinces, regions. The

		subdivision code	codes are alphabetic and have constant length for the first level subdivisions.
STAT	Char(20)	National statistics/census code	The statistical codes are codes defined by each National Statistical Offices.
gpc_id	Integer	Unique id for the administrative division	Useful if you want to join the population data to other GeoPostcode products. Attention, the gpc_id is linked to one entity, so the different denominations of an administrative division in different languages have the same gpc_id.
pop1970	Integer	Population living in the administrative division, in 1970	
pop1980	Integer	Population living in the administrative division, in 1980	

pop1985	Integer	Population living in the administrative division, in 1985	
pop1990	Integer	Population living in the administrative division, in 1990	
pop1995	Integer	Population living in the administrative division, in 1995	
pop2000	Integer	Population living in the administrative division, in 2000	
pop2005	Integer	Population living in the administrative	

		ve division, in 2005	
pop2010	Integer	Population living in the administrati ve division, in 2010	
pop2015	Integer	Population living in the administrati ve division, in 2015	
pop2020	Integer	Population living in the administrati ve division, in 2020	
pop2025	Integer	Population living in the administrati ve division, in 2025	

pop2030	Integer	Population living in the administrative division, in 2030	
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Sample data

iso	country	level	type	name	region1	region2	region3	region4	iso2	fps	nuts	hasc	stat	gpc_id	pop1975	pop1980	pop1985	pop1990	pop1995
AD	Andorra	CA	0	Country	Andorra	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	20.000.001	27.662	35.632	43.833	53.595	63.786
AD	Andorra	CA	1	Parroques	Andorra la Vella	Andorra la Vella	[NULL]	[NULL]	AD-07	AN07	[NULL]	AD.AN	5	20.000.002	10.597	14.029	16.864	18.882	19.785
AD	Andorra	CA	1	Parroques	Canillo	Canillo	[NULL]	[NULL]	AD-02	AN02	[NULL]	AD.CA	1	20.000.003	266	416	651	1.075	1.475
AD	Andorra	CA	1	Parroques	Encamp	Encamp	[NULL]	[NULL]	AD-03	AN03	[NULL]	AD.EN	2	20.000.004	3.512	4.335	5.811	7.776	10.000
AD	Andorra	CA	1	Parroques	Escaldes-Engordany	Escaldes-Engordany	[NULL]	[NULL]	AD-08	AN08	[NULL]	AD.EE	7	20.000.005	9.120	11.206	13.396	16.128	18.985
AD	Andorra	CA	1	Parroques	La Massana	La Massana	[NULL]	[NULL]	AD-04	AN04	[NULL]	AD.MA	4	20.000.006	1.396	1.910	2.696	3.723	4.975
AD	Andorra	CA	1	Parroques	Ordino	Ordino	[NULL]	[NULL]	AD-05	AN05	[NULL]	AD.OR	3	20.000.007	352	515	757	1.169	1.669
AD	Andorra	CA	1	Parroques	Sant Julià de Lòria	Sant Julià de Lòria	[NULL]	[NULL]	AD-06	AN06	[NULL]	AD.LL	6	20.000.008	2.419	3.021	3.746	4.682	5.825

File formats

Our population database is available in the following formats:

Format	Description
CSV	CSV (Comma-separated values) is a delimited text format broadly used for exchanging data as it can be imported/exported by most data management software. Our files use semicolons as separators.
ASC	Normalized ASCII version in CSV format where all accents and diacritics have been removed.

How IDs are defined

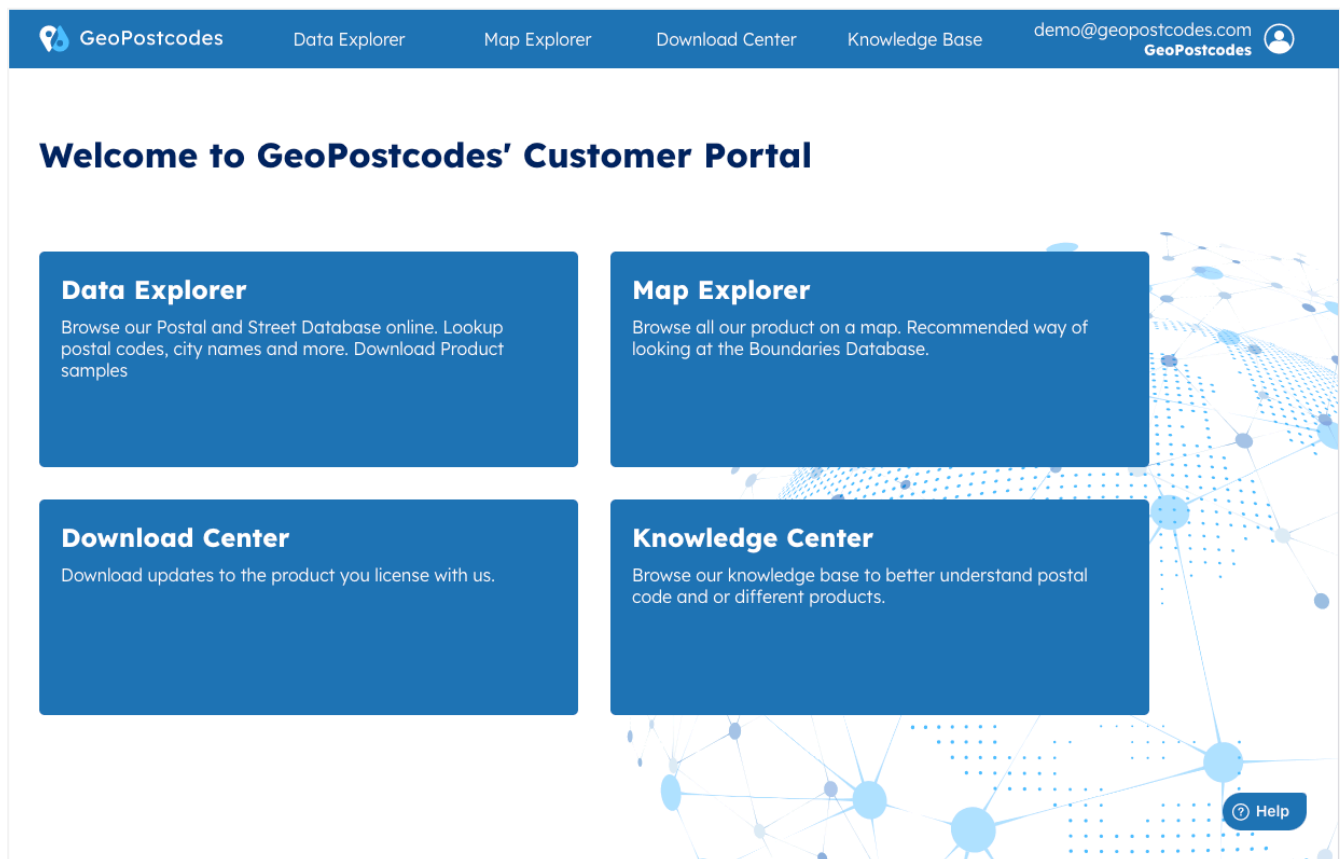
In the Population tables, the `gpc_id` is uniquely identifying an administrative division.

When data is available in several languages, it keeps the same ID, which enables to link the different denominations of an administrative division. Consequently, one table row is uniquely identified through the combination of language and `gpc_id`.

IDs are stable and never recycled in our data. When a record is deleted, its `gpc_id` is retired and will not be reused for another record. In cases where slight modifications are done to a record (e.g., a name modification) but it refers to the same entity, the `gpc_id` will be preserved. IDs can hence be used to identify changes when data is updated.

GeoPostcodes Customer Portal

As a GeoPostcodes customer you'll have access to our Customer Portal at <https://portal.geopostcodes.com>.



The screenshot shows the GeoPostcodes Customer Portal interface. At the top is a dark blue navigation bar with the following items from left to right: the GeoPostcodes logo, 'Data Explorer', 'Map Explorer', 'Download Center', 'Knowledge Base', the email 'demo@geopostcodes.com', and a user profile icon. Below the navigation bar is a white main content area with the heading 'Welcome to GeoPostcodes' Customer Portal'. There are four blue rectangular cards arranged in a 2x2 grid. The top-left card is titled 'Data Explorer' and contains the text: 'Browse our Postal and Street Database online. Lookup postal codes, city names and more. Download Product samples'. The top-right card is titled 'Map Explorer' and contains: 'Browse all our product on a map. Recommended way of looking at the Boundaries Database.'. The bottom-left card is titled 'Download Center' and contains: 'Download updates to the product you license with us.'. The bottom-right card is titled 'Knowledge Center' and contains: 'Browse our knowledge base to better understand postal code and or different products.'. On the right side of the main content area, there is a decorative graphic of a network of blue dots and lines. At the bottom right of this graphic is a small blue button with a question mark icon and the text 'Help'.

Accessing your licensed products

Through the Download Center

The Download Center gathers all the files that you have licensed with us. It shows which files were updated when and highlights the files for which you don't have the latest version yet. You can select the format you want to download.

GeoPostcodes			
	Data Explorer	Map Explorer	Download Center
Download Center			
My Drive			
Products		Last Updated	Last Downloaded
Boundaries database		22nd Jun 2021	22nd Jun 2021
Postal database		22nd Jun 2021	21st Jun 2021
Street database		22nd Jun 2021	21st Jun 2021
Samples		Last Updated	Last Downloaded
Postal database		22nd Jun 2021	21st Jun 2021
Other files		Last Updated	Last Downloaded
Countries information		22nd Jun 2021	21st Jun 2021
Geocodes		22nd Jun 2021	-
Languages		22nd Jun 2021	-
Timezones		22nd Jun 2021	21st Jun 2021

Through our download API

Files can also be pulled from our download api using the same credentials as the ones used for the Customer Portal. The API and documentation are accessible on

<https://download.geopostcodes.com/>

Using the Data Explorer

The Data Explorer allows you to browse the latest version of our Postal and Street Database in an intuitive table layout. You can drill down from the top (country level) all the way to a city, postal code or street. Alternatively, you can search directly for a specific piece of data.

Data Explorer Finland

[Index](#) > Suomi

View samples: [Postal Dataset](#) | [Street+](#)

Search by postcode, locality or region **FI**

Suomi | Svenska

Aluehallintovirasto / Regional state agencies	Places
Etelä-Suomen (5)	876
Itä-Suomen (3)	541
Länsi- ja Sisä-Suomi (5)	784
Lapin (1)	279
Lounais-Suomen (2)	333
Pohjois-Suomen (2)	290
3103	

Ahvenanmaan maakunta / Autonomous region	Places
Ahvenanmaa	32
32	

Administrative levels

1. Aluehallintovirasto	6
Ahvenanmaan maakunta	1
2. Maakunnat	18
3. Seutukunnat	67
4. Kunta	295

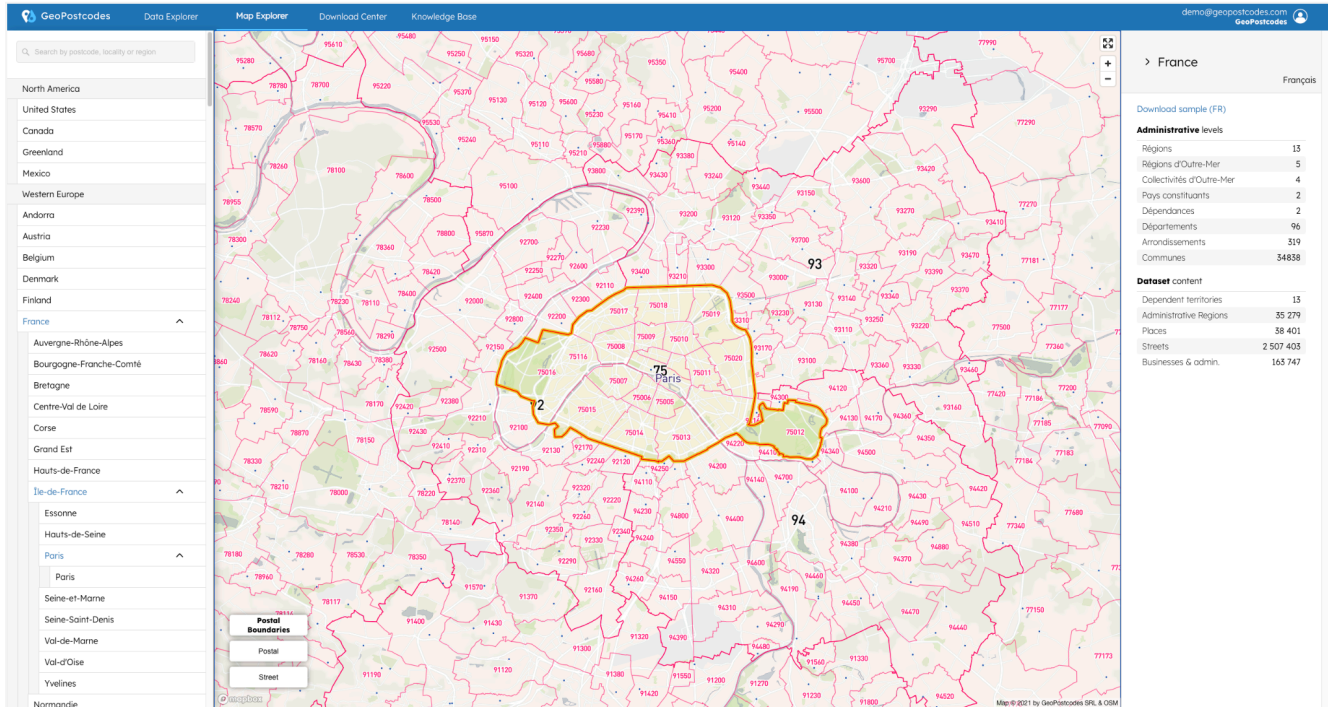
Dataset content

Administrative Regions	387
Places	3 116
Streets	339 767
Businesses & admin.	1 712
Zips	2 353

[Help](#)

Using the Map Explorer

The Map Explorer is a lightweight GIS viewer allowing you to quickly investigate geographic relationships between regions, postal areas and cities. It is the perfect tool to visualize our Postal Boundaries products.



Getting answers to your questions

Integrating postal codes on a worldwide scale often turns out to be more complex than many customers initially thought. And while we are always available to help solve tricky questions, we also make an extensive knowledge base available to support your teams in their integration efforts. It covers everything you need to know about our products as well as general information about countries and postal code systems.

Data properties

Are the IDs stable?

The sort answer is no: the IDs are not guaranteed to be stable from one version of the file to...

ASCII Transliteration tables

AZ: Azerbaijani (Azərbaycanca) Used in the following countries: Azerbaijan Uppercase Lowercase UTF-8 ASCII UTF-8 ASCII ' ' Ç C ç c Đ...

Can I get the data in latin characters?

Some countries use a non-latin character like Russia (Cyrillic) or Japan (katakana, kanji). In our datasets, a latin alternative is always available...

Can I get the names of the towns in several different languages?

Our dataset only covers a country's official languages. Translations (or rather exonyms) don't exist for all the data in all the...

Countries using micro-postcodes systems

Although postal codes globally serve the same purpose of sorting mail by distinguishing areas, they have been introduced and have...

Do you include points or polygons in your geographic files?

Our geographic files (Shapefiles, KML, GML and GeoJSON) include only points, no polygon. The points are the centroid point of...

Integration assistance and Support

Integration assistance

At GeoPostcodes we do not simply provide a dataset, we provide dedicated assistance until your project is up and running. Your onboarding starts with a kick-off call between your integration team and one of our data specialists. During that meeting we'll identify the pain points of your use-case and guide you to the best dataset formats for your situation. Our data specialist will then assist your team until your project is complete.

Our intention is to take the entire complexity of the location master data aspect of your project on our side so your team can focus on the project at hand.

Support

If, at any point you need assistance with a data issue you can contact our support team through the customer portal.