

Package ‘ColombiAPI’

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Type Package

Title Access Colombian Data via APIs and Curated Datasets

Version 0.2.0

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Description Provides a comprehensive interface to access diverse public data about Colombia through multiple APIs and curated datasets. The package integrates four different APIs: 'API-Colombia' for Colombian-specific data including geography, culture, tourism, and government information; 'World Bank API' for economic and demographic indicators; 'Nager.Date' for public holidays; and 'REST Countries API' for general country information. The package enables users to explore various aspects of Colombia such as geographic locations, cultural attractions, economic indicators, demographic data, and public holidays. Additionally, 'ColombiAPI' includes curated datasets covering Bogota air stations, business and holiday dates, public schools, Colombian coffee exports, cannabis licenses, Medellin rainfall, and malls in Bogota, making it a comprehensive tool for exploring Colombia's multifaceted data landscape. For more information on the APIs, see:
'API-Colombia' <<https://api-colombia.com/>>,
'Nager.Date' <<https://date.nager.at/Api>>,
'World Bank API' <<https://datahelpdesk.worldbank.org/knowledgebase/articles/889392>>,
and 'REST Countries API' <<https://restcountries.com/>>.

License GPL-3

Depends R (>= 4.1.0)

URL <https://github.com/lightbluetitan/colombiapi>,
<https://lightbluetitan.github.io/colombiapi/>

BugReports <https://github.com/lightbluetitan/colombiapi/issues>

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Bogota_airstations_df *Bogota Air Stations Coordinates*

Description

This dataset, Bogota_airstations_df, is a data frame containing the coordinates of air quality measurement stations in Bogota, Colombia.

Usage

```
data(Bogota_airstations_df)
```

Format

A data frame with 10 observations and 3 variables:

ESTACION Character string representing the name of the station.

X Numeric value representing the X coordinate of the station.

Y Numeric value representing the Y coordinate of the station.

Details

The dataset name has been kept as Bogota_airstations_df to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the ColombiAPI package and assists users in identifying its specific characteristics. The suffix '_df' indicates that the dataset is a data frame. The original content has not been modified in any way.

Source

Originally taken from the SpatFD package version 0.0.1

Bogota_business_Date *Bogota Business Dates*

Description

This dataset, Bogota_business_Date, is a Date object containing the business dates for Bogota, Colombia.

Usage

```
data(Bogota_business_Date)
```

Format

A Date object with 27,173 observations:

Bogota_business_Date Date object representing the business dates in Bogota, Colombia, ranging between "1990-01-02" and "2100-12-31".

Details

The dataset name has been kept as Bogota_business_Date to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the ColombiAPI package and assists users in identifying its specific characteristics. The suffix '_Date' indicates that the dataset is an object of the Date class. The original content has not been modified in any way.

Source

Originally taken from the quantdates package version 2.0.4.

Bogota_holidays_Date	<i>Bogota Holidays Dates</i>
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Description

This dataset, Bogota_holidays_Date, is a Date object containing the official holidays of Bogota, Colombia.

Usage

```
data(Bogota_holidays_Date)
```

Format

A Date object with 1787 observations:

Bogota_holidays_Date Date object representing the official holidays in Bogota, Colombia, ranging between "1990-01-01" and "2100-12-08".

Details

The dataset name has been kept as Bogota_holidays_Date to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the ColombiAPI package and assists users in identifying its specific characteristics. The suffix '_Date' indicates that the dataset is an object of the Date class. The original content has not been modified in any way.

Source

Originally taken from the quantdates package version 2.0.4. Holidays were created using the bizdays package.

Bogota_malls_tbl_df	<i>Bogota Malls Information</i>
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Description

This dataset, `Bogota_malls_tbl_df`, is a tibble containing detailed information about shopping malls located in Bogota, Colombia. It includes the mall names, physical addresses, web URLs, geographical coordinates, and the locality to which each mall belongs.

Usage

```
data(Bogota_malls_tbl_df)
```

Format

A tibble with 42 observations and 6 variables:

NAME Character string representing the name of the shopping mall.

ADDRESS Character string representing the physical address of the mall.

URL Character string representing the web URL of the mall.

LATITUD Numeric value representing the latitude of the mall.

LONGITUD Numeric value representing the longitude of the mall.

LOCALIDAD Character string representing the locality the mall belongs to.

Details

The dataset name has been kept as `Bogota_malls_tbl_df` to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the `ColombiAPI` package and assists users in identifying its specific characteristics. The suffix `'tbl_df'` indicates that the dataset is a tibble. The original content has not been modified in any way.

Source

Originally taken from Kaggle, url: <https://www.kaggle.com/datasets/erik172/bogota-shopping-malls>.

Cannabis_Licenses_tbl_df

Cannabis Licenses Information

Description

This dataset, Cannabis_Licenses_tbl_df, is a tibble containing detailed information about cannabis-related licenses issued by the Ministry of Justice and Law in Colombia. It includes data on the number of received, denied, archived, modified, and granted licenses for cannabis cultivation, as well as the licenses issued for both psychoactive and non-psychoactive cannabis plants.

Usage

```
data(Cannabis_Licenses_tbl_df)
```

Format

A tibble with 92 observations and 10 variables:

Mes Character string representing the month in which the data was recorded.

Solicitudes de licencias recibidas Numeric value representing the number of license requests received.

Solicitudes Negadas Numeric value representing the number of denied license requests.

Solicitudes Archivadas Numeric value representing the number of archived license requests.

Solicitudes Modificadas Numeric value representing the number of modified license requests.

Licencias Otorgadas Numeric value representing the number of licenses granted.

Licencias expedidas de semillas para siembra Numeric value representing the number of seed cultivation licenses issued.

Licencias expedidas de plantas cannabis psicoactivo Numeric value representing the number of psychoactive cannabis plant cultivation licenses issued.

Licencias expedidas de plantas cannabis no psicoactivo Numeric value representing the number of non-psychoactive cannabis plant cultivation licenses issued.

Año Numeric value representing the year in which the data was recorded.

Details

The dataset name has been kept as Cannabis_Licenses_tbl_df to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the ColombiAPI package and assists users in identifying its specific characteristics. The suffix 'tbl_df' indicates that the dataset is a tibble. The original content has not been modified in any way.

Source

Originally taken from Kaggle, url: <https://www.kaggle.com/datasets/josetroyatoscano/licencias-cannabis-colombia-full-dataset-feb-2024>

Description

This package provides a comprehensive interface to access diverse public data about Colombia through multiple APIs and curated datasets. The package integrates four different APIs: API-Colombia for Colombian-specific data including geography, culture, tourism, and government information; World Bank API for economic and demographic indicators; Nager.Date for public holidays; and REST Countries API for general country information.

Details

ColombiAPI: Access Colombian Data via APIs and Curated Datasets

Access Colombian Data via APIs and Curated Datasets.

Author(s)

Maintainer: Renzo Caceres Rossi <arenzocaceresrossi@gmail.com>

See Also

Useful links:

- <https://github.com/lightbluetitan/colombiapi>

Description

This dataset, Colombia_coffee_tbl_df, is a tibble containing detailed information about Colombian coffee exports and imports in 2016. It includes data on various factors such as trade flow, commodity codes, trade value, weight in kilograms, and information about the countries involved in the trade. The dataset is sourced from Kaggle and provides a comprehensive analysis of the foreign trade of Colombian coffee.

Usage

```
data(Colombia_coffee_tbl_df)
```

Format

A tibble with 106 observations and 35 variables:

Classification Character string representing the classification of the coffee product.

Year Numeric value representing the year of the data entry.

Period Numeric value representing the period of the trade.

Period Desc. Numeric value representing the period description.

Aggregate Level Numeric value representing the aggregate level of the trade data.

Is Leaf Code Numeric value indicating whether the trade involves a leaf product.

Trade Flow Code Numeric value representing the trade flow code.

Trade Flow Character string representing the flow of the trade, either export or import.

Reporter Code Numeric value representing the code of the reporting country.

Reporter Character string representing the reporting country.

Reporter ISO Character string representing the ISO code of the reporting country.

Partner Code Numeric value representing the code of the partner country.

Partner Character string representing the partner country.

Partner ISO Character string representing the ISO code of the partner country.

2nd Partner Code Logical value indicating if there is a second partner country involved in the trade.

2nd Partner Logical value indicating if there is a second partner country.

2nd Partner ISO Logical value indicating if there is a second partner country's ISO code.

Customs Proc. Code Logical value representing the customs procedure code.

Customs Logical value indicating whether customs procedure information is available.

Mode of Transport Code Logical value representing the mode of transport code.

Mode of Transport Logical value indicating the mode of transport used in the trade.

Commodity Code Character string representing the commodity code for coffee.

Commodity Character string representing the commodity (coffee).

Qty Unit Code Numeric value representing the quantity unit code.

Qty Unit Character string representing the unit of quantity for the trade.

Qty Logical value representing the quantity of coffee in the trade.

Alt Qty Unit Code Logical value representing an alternative quantity unit code.

Alt Qty Unit Numeric value representing an alternative quantity unit for the trade.

Alt Qty Logical value representing an alternative quantity for the trade.

Netweight (kg) Numeric value representing the net weight of the coffee in kilograms.

Gross weight (kg) Logical value indicating the gross weight of the coffee in kilograms.

Trade Value (US) Numeric value representing the trade value in US dollars.

CIF Trade Value (US) Logical value representing the CIF trade value in US dollars.

FOB Trade Value (US) Logical value representing the FOB trade value in US dollars.

Flag Numeric value representing a flag for the dataset entry.

Details

The dataset name has been kept as Colombia_coffee_tbl_df to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the ColombiAPI package and assists users in identifying its specific characteristics. The suffix 'tbl_df' indicates that the dataset is a tibble. The original content has not been modified in any way.

Source

Originally taken from Kaggle, url: <https://www.kaggle.com/datasets/carlosbeltranv/colombian-coffee-2016>

get_colombia_airports *Get Colombia's Airports from API Colombia*

Description

Retrieves comprehensive information about all Colombian airports from the API Colombia service. This function fetches data including airport names, codes, types, locations, and geographical coordinates for all airports across Colombia's departments.

Usage

```
get_colombia_airports()
```

Details

This function sends a GET request to the API Colombia service. If the API request fails or returns an error status code, the function returns NULL with an informative message. Note: The API returns latitude and longitude values swapped, so this function corrects the coordinates by swapping them back to their correct positions.

Value

A tibble with the following columns:

- id: Airport identifier (integer)
- name: Airport name (character)
- iata_code: IATA airport code (character)
- oaci_code: ICAO airport code (character)
- type: Airport type (character)
- city: City where airport is located (character)
- department: Department where airport is located (character)
- latitude: Latitude coordinates (numeric)
- longitude: Longitude coordinates (numeric)

Note

Requires internet connection.

Source

API Colombia: <https://api-colombia.com/api/v1/Airport>

See Also

[GET, fromJSON, as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_attractions()  
}
```

get_colombia_attractions

Get All Touristic Attractions of Colombia

Description

Retrieves selected information about touristic attractions in Colombia from the API Colombia. This function fetches the attraction ID, name, description, latitude, longitude, and city ID.

Usage

```
get_colombia_attractions()
```

Value

A tibble with multiple rows, each representing a touristic attraction in Colombia, or NULL if the API is unavailable.

Examples

```
attractions <- get_colombia_attractions()  
print(attractions)
```

`get_colombia_child_mortality`*Get Colombia's Under-5 Mortality Rate from World Bank*

Description

Retrieves Colombia's under-5 mortality rate, measured as the number of deaths of children under five years of age per 1,000 live births, for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is SH.DYN.MORT.

Usage

```
get_colombia_child_mortality()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- `indicator`: Indicator name (e.g., "Mortality rate, under-5 (per 1,000 live births)")
- `country`: Country name ("Colombia")
- `year`: Year of the data (integer)
- `value`: Mortality rate (per 1,000 live births)

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/SH.DYN.MORT>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_child_mortality()  
}
```

get_colombia_cities	<i>Get All Cities of Colombia</i>
---------------------	-----------------------------------

Description

Retrieves basic information about all cities in Colombia from the API Colombia. This function fetches only the city ID and name to provide a clean and concise dataset.

Usage

```
get_colombia_cities()
```

Value

A tibble with two columns: id and name, or NULL if the API is unavailable.

Examples

```
cities <- get_colombia_cities()
print(cities)
```

get_colombia_cpi	<i>Get Colombia's Consumer Price Index (2010 = 100) from World Bank</i>
------------------	---

Description

Retrieves Colombia's Consumer Price Index (CPI), with 2010 as the base year (index = 100), for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is FP.CPI.TOTL.

Usage

```
get_colombia_cpi()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- indicator: Indicator name (e.g., "Consumer price index (2010 = 100)")
- country: Country name ("Colombia")
- year: Year of the data (integer)
- value: Consumer Price Index (numeric, base year 2010 = 100)

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/FP.CPI.TOTL>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_cpi()  
}
```

get_colombia_departments

Get Colombia's Departments from API Colombia

Description

Retrieves comprehensive information about all Colombian departments from the API Colombia service. This function fetches data including department names, capitals, geographical information, area, population, and administrative details for all 32 departments plus Bogotá D.C.

Usage

```
get_colombia_departments()
```

Details

This function sends a GET request to the API Colombia service. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- id: Department identifier (integer)
- name: Department name (character)
- capital: Capital city name (character)
- surface: Department area in km² (integer)
- population: Department population (integer)
- municipalities: Number of municipalities (integer)
- phone_prefix: Phone area code (character)
- region_id: Geographic region identifier (integer)

Note

Requires internet connection.

Source

API Colombia: <https://api-colombia.com/api/v1/Department>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_departments()  
}
```

get_colombia_energy_use

Get Colombia's Energy Use (kg of oil equivalent per capita) from World Bank

Description

Retrieves Colombia's energy use per capita, measured in kilograms of oil equivalent, for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is EG.USE.PCAP.KG.OE.

Usage

```
get_colombia_energy_use()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- indicator: Indicator name (e.g., "Energy use (kg of oil equivalent per capita)")
- country: Country name ("Colombia")
- year: Year of the data (integer)
- value: Energy use in kilograms of oil equivalent per capita

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/EG.USE.PCAP.KG.OE>

See Also

[GET, fromJSON, as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_energy_use()  
}
```

`get_colombia_gdp`*Get Colombia's GDP (current US\$) from World Bank*

Description

Retrieves Colombia's Gross Domestic Product (GDP) in current US dollars for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is NY.GDP.MKTP.CD.

Usage

```
get_colombia_gdp()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- `indicator`: Indicator name (e.g., "GDP (current US\$)")
- `country`: Country name ("Colombia")
- `year`: Year of the data (integer)
- `value`: GDP in current US dollars
- `value_label`: Formatted GDP with commas (e.g., "1,800,000,000,000")

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/NY.GDP.MKTP.CD>

See Also

[GET](#), [fromJSON](#), [as_tibble](#), [comma](#)

Examples

```
if (interactive()) {  
  get_colombia_gdp()  
}
```

get_colombia_holidays *Get Official Public Holidays in Colombia for a Given Year*

Description

Retrieves the list of official public holidays in Colombia for a specific year using the Nager.Date public holidays API. This function returns a tibble containing the date of the holiday, the name in the local language (Spanish), and the English name. It is useful for academic, planning, and data analysis purposes. The information is retrieved directly from the Nager.Date API and reflects the current status of holidays for the requested year. The field names returned are consistent with the API structure.

Usage

```
get_colombia_holidays(year)
```

Arguments

year An integer indicating the year (e.g., 2024 or 2025).

Value

A tibble with the following columns:

- **date**: Date of the holiday (class Date)
- **local_name**: Holiday name in the local language (Spanish)
- **name**: Holiday name in English

Source

Data obtained from the Nager.Date API: <https://date.nager.at/>

Examples

```
get_colombia_holidays(2024)
get_colombia_holidays(2025)
```

```
get_colombia_hospital_beds
```

Get Colombia's Hospital Beds (per 1,000 people) from World Bank

Description

Retrieves Colombia's number of hospital beds per 1,000 people for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is SH.MED.BEDS.ZS.

Usage

```
get_colombia_hospital_beds()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- `indicator`: Indicator name (e.g., "Hospital beds (per 1,000 people)")
- `country`: Country name ("Colombia")
- `year`: Year of the data (integer)
- `value`: Number of hospital beds per 1,000 people

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/SH.MED.BEDS.ZS>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {
  get_colombia_hospital_beds()
}
```

```
get_colombia_invasive_species
```

Get Invasive Species of Colombia

Description

Retrieves information about invasive species in Colombia from the API Colombia. This function fetches only selected fields: id, name, scientificName, commonNames, impact, manage, and riskLevel.

Usage

```
get_colombia_invasive_species()
```

Value

A tibble with multiple rows and the selected columns, or NULL if the API is unavailable.

Examples

```
invasive_species <- get_colombia_invasive_species()
print(invasive_species)
```

```
get_colombia_life_expectancy
```

Get Colombia's Life Expectancy at Birth (Total, Years) from World Bank

Description

Retrieves Colombia's life expectancy at birth (total, years) for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is SP.DYN.LE00.IN.

Usage

```
get_colombia_life_expectancy()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- indicator: Indicator name (e.g., "Life expectancy at birth, total (years)")
- country: Country name ("Colombia")
- year: Year of the data (integer)
- value: Life expectancy at birth in years

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/SP.DYN.LE00.IN>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_life_expectancy()  
}
```

`get_colombia_literacy_rate`*Get Colombia's Adult Literacy Rate*

Description

Retrieves Colombia's adult literacy rate (for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is SE.ADT.LITR.ZS.

Usage

```
get_colombia_literacy_rate()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- indicator: Indicator name
- country: Country name ("Colombia")
- year: Year of the data (integer)
- value: Literacy rate as a percentage

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/SE.ADT.LITR.ZS>

See Also

[GET, fromJSON, as_tibble](#)

Examples

```
literacy_data <- get_colombia_literacy_rate()
head(literacy_data)
```

```
get_colombia_native_communities
```

Get Native Communities of Colombia

Description

Retrieves information about Colombia's native communities from the API Colombia. This function fetches only selected fields: id, name, description, and languages.

Usage

```
get_colombia_native_communities()
```

Value

A tibble with multiple rows and the selected columns, or NULL if the API is unavailable.

Examples

```
native_communities <- get_colombia_native_communities()
print(native_communities)
```

```
get_colombia_natural_areas
```

Get Natural Areas of Colombia

Description

Retrieves information about natural areas in Colombia from the API Colombia. This function fetches only selected fields: id, areaGroupId, categoryNaturalAreaId, name, departmentId, daneCode, and landArea.

Usage

```
get_colombia_natural_areas()
```

Value

A tibble with multiple rows and the selected columns, or NULL if the API is unavailable.

Examples

```
natural_areas <- get_colombia_natural_areas()
print(natural_areas)
```

```
get_colombia_population
```

Get Colombia's Total Population from World Bank

Description

Retrieves Colombia's total population for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is SP.POP.TOTL.

Usage

```
get_colombia_population()
```

Details

The function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- indicator: Indicator name (e.g., "Population, total")
- country: Country name ("Colombia")
- year: Year of the data (integer)
- value: Population as a numeric value
- value_label: Formatted population with commas (e.g., "51,000,000")

Note

Requires internet connection. The data is retrieved in real time from the World Bank API.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/SP.POP.TOTL>

See Also

[GET](#), [fromJSON](#), [as_tibble](#), [comma](#)

Examples

```
if (interactive()) {  
  get_colombia_population()  
}
```

get_colombia_presidents

Get Colombia's Presidents from API Colombia

Description

Retrieves comprehensive information about all Colombian presidents from 1886 to present from the API Colombia service. This function fetches data including names, political parties, government periods, descriptions, and biographical information for each president.

Usage

```
get_colombia_presidents()
```

Details

This function sends a GET request to the API Colombia service. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- id: President identifier (integer)
- name: President's first name(s) (character)
- last_name: President's last name(s) (character)
- political_party: Political party affiliation (character)
- start_period_date: Start date of presidency (character, YYYY-MM-DD format)
- end_period_date: End date of presidency (character, YYYY-MM-DD format or NULL for current)

Note

Requires internet connection.

Source

API Colombia: <https://api-colombia.com/api/v1/President>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_presidents()  
}
```

get_colombia_radios	<i>Get Radios of Colombia</i>
---------------------	-------------------------------

Description

Retrieves information about radio stations in Colombia from the API Colombia. This function fetches only the following fields: id, name, frequency, and band.

Usage

```
get_colombia_radios()
```

Value

A tibble with multiple rows and the selected columns, or NULL if the API is unavailable.

Examples

```
radios <- get_colombia_radios()
print(radios)
```

get_colombia_regions *Get Colombia's Regions from API Colombia*

Description

Retrieves comprehensive information about Colombia's six natural regions from the API Colombia service. This function fetches data including region names, descriptions, and identifiers for all Colombian regions: Caribe, Pacífico, Orinoquía, Amazonía, Andina, and Insular.

Usage

```
get_colombia_regions()
```

Details

This function sends a GET request to the API Colombia service. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- id: Region identifier (integer)
- name: Region name (character)
- description: Detailed description of the region (character)

Note

Requires internet connection.

Source

API Colombia: <https://api-colombia.com/api/v1/Region>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_regions()  
}
```

```
get_colombia_typical_dishes
```

Get Typical Dishes of Colombia

Description

Retrieves information about Colombia's typical dishes from the API Colombia. This function fetches only selected fields: id, name, description, and region.

Usage

```
get_colombia_typical_dishes()
```

Value

A tibble with multiple rows and the selected columns, or NULL if the API is unavailable.

Examples

```
dishes <- get_colombia_typical_dishes()  
print(dishes)
```

```
get_colombia_unemployment
```

Get Colombia's Unemployment Rate (Total) from World Bank

Description

Retrieves Colombia's total unemployment rate, measured as a percentage of the total labor force, for the years 2010 to 2022 using the World Bank Open Data API. The indicator used is SL.UEM.TOTL.ZS.

Usage

```
get_colombia_unemployment()
```

Details

This function sends a GET request to the World Bank API. If the API request fails or returns an error status code, the function returns NULL with an informative message.

Value

A tibble with the following columns:

- indicator: Indicator name (e.g., "Unemployment, total (
- country: Country name ("Colombia")
- year: Year of the data (integer)
- value: Unemployment rate as a numeric value (percentage)

Note

Requires internet connection.

Source

World Bank Open Data API: <https://data.worldbank.org/indicator/SL.UEM.TOTL.ZS>

See Also

[GET](#), [fromJSON](#), [as_tibble](#)

Examples

```
if (interactive()) {  
  get_colombia_unemployment()  
}
```

get_country_info_co *Get Country Information for Colombia*

Description

Retrieves comprehensive country information for Colombia from the REST Countries API. This function fetches data including official and common names, geographical information, capital, area, population, and languages.

Usage

```
get_country_info_co()
```

Value

A tibble with one row containing Colombia's country information, or NULL if the API is unavailable.

Examples

```
co_info <- get_country_info_co()
print(co_info)
```

Medellin_rain_tbl_df	<i>Medellin Rainfall Information</i>
----------------------	--------------------------------------

Description

This dataset, `Medellin_rain_tbl_df`, is a tibble containing information about rainfall measurements in Medellin, Colombia, including station identifiers, geographical coordinates, date of observation, and rainfall values.

Usage

```
data(Medellin_rain_tbl_df)
```

Format

A tibble with 185,705 observations and 8 variables:

station_id Numeric identifier for the rain observation station.
lat Numeric value representing the latitude of the station.
lon Numeric value representing the longitude of the station.
date Date of the rainfall observation.
year Numeric year of the observation.
month Numeric month of the observation.
day Numeric day of the observation.
rainfall Numeric value representing the amount of rainfall in millimeters.

Details

The dataset name has been kept as `Medellin_rain_tbl_df` to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the `ColombiAPI` package and assists users in identifying its specific characteristics. The suffix `'tbl_df'` indicates that the dataset is a tibble. The original content has not been modified in any way.

Source

Originally taken from the `tidychangepoint` package version 0.0.1.

Tulua_Public_Schools_tbl_df

Tulua Public Schools Information

Description

This dataset, `Tulua_Public_Schools_tbl_df`, is a tibble containing detailed information about public schools located in the municipality of Tulua, Valle del Cauca, Colombia. It includes the name, location, contact information, and the geographical coordinates of each institution, as well as specific details about each school and its facilities.

Usage

```
data(Tulua_Public_Schools_tbl_df)
```

Format

A tibble with 105 observations and 8 variables:

COD_DANE_INS Numeric code representing the educational institution's DANE code.

INSTITUCION Character string representing the name of the public school.

SEDE Character string representing the name of the specific school location or branch.

COD_DANE_SEDE Numeric code representing the DANE code of the specific school branch.

TELEFONO Character string representing the phone number of the school.

CORREOS Character string representing the email addresses of the school.

DIRECCIÓN Character string representing the physical address of the school.

CORDE_GEO Character string representing the geographical coordinates of the school.

Details

The dataset name has been kept as `Tulua_Public_Schools_tbl_df` to avoid confusion with other datasets in the R ecosystem. This naming convention helps distinguish this dataset as part of the `ColombiAPI` package and assists users in identifying its specific characteristics. The suffix `'tbl_df'` indicates that the dataset is a tibble. The original content has not been modified in any way.

Source

Originally taken from GOV.CO, url: https://www.datos.gov.co/Educaci-n/Listado-de-colegios-p-blicos-del-municipio-de-Tulu/scz9-f8ud/about_data

`view_datasets_ColombiAPI`*View Available Datasets in ColombiAPI*

Description

This function lists all datasets available in the 'ColombiAPI' package. If the 'ColombiAPI' package is not loaded, it stops and shows an error message. If no datasets are available, it returns a message and an empty vector.

Usage

```
view_datasets_ColombiAPI()
```

Value

A character vector with the names of the available datasets. If no datasets are found, it returns an empty character vector.

Examples

```
if (requireNamespace("ColombiAPI", quietly = TRUE)) {  
  library(ColombiAPI)  
  view_datasets_ColombiAPI()  
}
```

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