

Package ‘ColombiAPI’

May 6, 2026

Type Package

Title Access Colombian Data via APIs and Curated Datasets

Version 0.3.2

Maintainer Renzo Caceres Rossi <arenzocaceresrossi@gmail.com>

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, malls in Bogota, as well as datasets on indigenous languages, student admissions and school statistics, forest liana mortality, municipal and regional data, connectivity and digital infrastructure, program graduates, vehicle counts, international visitors, and GDP projections. These datasets provide users with a rich and multifaceted view of Colombian social, economic, environmental, and technological information, making 'ColombiAPI' a comprehensive tool for exploring Colombia's diverse 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>

Encoding UTF-8

Suggests ggplot2, testthat (>= 3.0.0), knitr, rmarkdown

Imports httr, jsonlite, dplyr, scales, tibble

RoxygenNote 7.3.2

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

Author Renzo Caceres Rossi [aut, cre] (ORCID:
<<https://orcid.org/0009-0005-0744-854X>>)

Repository CRAN

Date/Publication 2026-05-06 08:10:02 UTC

Contents

admitted_students_df	3
Bogota_airstations_df	4
Bogota_business_Date	5
Bogota_holidays_Date	5
Bogota_malls_tbl_df	6
Bucaramanga_wifi_tbl_df	7
Cannabis_Licenses_tbl_df	8
Cartagena_wifi_tbl_df	9
ColombiAPI	10
Colombia_coffee_tbl_df	10
dead_lianas_df	12
digital_centers_tbl_df	14
digital_graduates_tbl_df	15
foreign_visitors_tbl_df	16
gdp_departments_tbl_df	17
get_colombia_airports	18
get_colombia_attractions	19
get_colombia_child_mortality	20
get_colombia_cities	21
get_colombia_cpi	22
get_colombia_departments	23
get_colombia_energy_use	24
get_colombia_gdp	25
get_colombia_holidays	26
get_colombia_hospital_beds	27
get_colombia_invasive_species	28
get_colombia_life_expectancy	29
get_colombia_literacy_rate	30
get_colombia_native_communities	31
get_colombia_natural_areas	32
get_colombia_population	33

get_colombia_presidents	34
get_colombia_radios	35
get_colombia_regions	36
get_colombia_typical_dishes	37
get_colombia_unemployment	38
get_country_info_co	39
indigenous_vocabulary_df	40
Medellin_rain_tbl_df	41
municipalities_tbl_df	42
school_levels_df	42
Tulua_Public_Schools_tbl_df	43
vehicle_count_tbl_df	44
view_datasets_ColombiAPI	45

Index	46
--------------	-----------

admitted_students_df *Admitted Students to the Science Faculty, UNAL (2013-I)*

Description

This dataset, `admitted_students_df`, is a data frame containing the admission scores and socio-demographic information of 445 students admitted to the seven careers of the Facultad de Ciencias at the Universidad Nacional de Colombia, Bogotá, for the first semester of 2013. It includes exam component scores, gender, socio-economic background, and other demographic attributes.

Usage

```
data(admitted_students_df)
```

Format

A data frame with 445 observations and 15 variables:

carr Career or program admitted to (factor with 7 levels)

mate Mathematics exam score (numeric)

cien Science exam score (numeric)

soci Social sciences exam score (numeric)

text Textual reasoning exam score (numeric)

imag Abstract/imagery reasoning exam score (numeric)

exam Total exam score (numeric)

gene Gender of the student (factor with 2 levels)

estr Socio-economic stratum (factor with 3 levels)

orig Origin or background classification (factor with 3 levels)

edad Age group (factor with 4 levels)

niLE Mother tongue indicator (factor with 2 levels)

niMa Maternal education indicator (factor with 2 levels)

stra Admission stratum or classification (factor with 7 levels)

age Age of the student in years (numeric)

Details

The dataset name has been kept as 'admitted_students_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 object. The original content has not been modified in any way.

Source

Data taken from the **FactoClass** package version 1.2.9

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 *Bogota Holidays Dates*

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` *Bogota Malls Information*

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>.

Bucaramanga_wifi_tbl_df

WiFi Connectivity Zones in Bucaramanga (Spanish speaking)

Description

This dataset, `Bucaramanga_wifi_tbl_df`, is a tibble containing information about community WiFi connection zones in the municipality of Bucaramanga. It includes details such as the zone name, address, neighborhood, commune, urban or rural classification, department, municipality, and geographic coordinates. This dataset was taken from GOV.CO Datos Abiertos, last update on September 20, 2025.

Usage

```
data(Bucaramanga_wifi_tbl_df)
```

Format

A tibble with 82 observations and 9 variables:

NOMBRE ZONA WIFI Name of the WiFi zone (character)

DIRECCION Address of the WiFi zone (character)

BARRIO Neighborhood of the WiFi zone (character)

COMUNA Commune of the WiFi zone (character)

ZONA (URBANA/RURAL) Urban or rural classification (character)

DEPARTAMENTO Department where the zone is located (character)

MUNICIPIO Municipality where the zone is located (character)

LATITUD Latitude coordinate of the WiFi zone (character)

LONGITUD Longitude coordinate of the WiFi zone (character)

Details

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

Source

Data obtained from GOV.CO Datos Abiertos: https://www.datos.gov.co/Ciencia-Tecnolog-a-e-Innovaci-n/SERVICIO-DE-CONECTIVIDAD-ZONAS-WIFI/9n9m-2dqq/about_data

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>

Cartagena_wifi_tbl_df *Connected Devices in WiFi Zones of Cartagena (Spanish speaking)*

Description

This dataset, `Cartagena_wifi_tbl_df`, is a tibble containing information about the number of devices connected in the public WiFi zones of the District of Cartagena. It includes the year, month, corregimiento or neighborhood, WiFi zone, and counts of connected devices by type (Other, Smartphone, Tablet, PC). The dataset was obtained from GOV.CO Datos Abiertos, last update on September 23, 2025.

Usage

```
data(Cartagena_wifi_tbl_df)
```

Format

A tibble with 468 observations and 8 variables:

AÑO Year of the record (numeric)

MES Month of the record (character)

CORREGIMIENTO/BARRIO Name of the corregimiento or neighborhood (character)

ZONA WIFI Name of the WiFi zone (character)

OTRO Number of connected devices categorized as 'Other' (numeric)

SMARTPHONE Number of connected smartphones (numeric)

TABLET Number of connected tablets (numeric)

PC Number of connected PCs (numeric)

Details

The dataset name has been kept as '`Cartagena_wifi_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 object. The original content has not been modified in any way.

Source

Data obtained from GOV.CO Datos Abiertos: https://www.datos.gov.co/Ciencia-Tecnolog-a-e-Innovaci-n/Dispositivos-conectados-en-las-zonas-wifi-del-dist/94zk-4tpe/about_data

ColombiAPI

ColombiAPI: Access Colombian Data via APIs and Curated Datasets

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. Additionally, ColombiAPI includes curated datasets covering Bogota air stations, business and holiday dates, public schools, Colombian coffee exports, cannabis licenses, Medellin rainfall, malls in Bogota, as well as datasets on indigenous languages, student admissions and school statistics, forest liana mortality and more.

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>

Colombia_coffee_tbl_df

Colombian Coffee 2016 Export/Import

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>

dead_lianas_df	<i>Mortality of lianas (vines) in tropical forests</i>
----------------	--------------------------------------------------------

Description

This dataset, `'dead_lianas_df'`, is a data frame containing information on the mortality of vascular epiphytes (lianas) in tropical forests of the Colombian Andes. The study is part of the project "Diversity and dynamics of vascular epiphytes in Colombian Andes" supported by COLCIENCIAS (contract 2115-2013). The data corresponds to the first large-scale assessment of vascular epiphyte mortality in the neotropics.

Usage

```
data(dead_lianas_df)
```

Format

A data frame with 4,247 observations and 52 variables:

PlotSite Plot site identifier (character)
Y.Plot Y coordinate of the plot (numeric)
X.Plot X coordinate of the plot (numeric)
PhoroNo Phorophyte number (integer)
EpiFam Epiphyte family (character)
EpiGen Epiphyte genus (character)
cf.aff Taxonomic uncertainty or affiliation (character)
Species Epiphyte species name (character)
Author Species author (character)
EpiAzi Epiphyte azimuth (character)
BraAzi Branch azimuth (integer)
EpiDisTru Epiphyte distance from trunk (numeric)
EpiSize Epiphyte size (numeric)

EpiAttHei Epiphyte attachment height (numeric)
Date0 Initial survey date (Date)
Date1 Follow-up survey date (Date)
Location Location name (character)
Mortality Mortality status (factor with 2 levels)
MorCat Mortality category (character)
Elevation Elevation in meters (integer)
AP_bio12 Annual precipitation (integer)
PDM_bio14 Precipitation of driest month (integer)
PS_bio15 Precipitation seasonality (integer)
MDT_bio2 Mean diurnal temperature range (integer)
TS_bio4 Temperature seasonality (integer)
ATR_bio7 Annual temperature range (integer)
AET Actual evapotranspiration (integer)
BasAre Basal area (numeric)
BasAre5_10 Basal area of trees 5–10 cm DBH (numeric)
BasAre10 Basal area of trees \geq 10 cm DBH (numeric)
Ind10 Number of individuals \geq 10 cm DBH (integer)
Ind5 Number of individuals \geq 5 cm DBH (numeric)
Ind5_10 Number of individuals 5–10 cm DBH (numeric)
Ind10_15 Number of individuals 10–15 cm DBH (integer)
Ind15_20 Number of individuals 15–20 cm DBH (integer)
Ind20_25 Number of individuals 20–25 cm DBH (integer)
Ind25_30 Number of individuals 25–30 cm DBH (integer)
Ind30 Number of individuals \geq 30 cm DBH (integer)
TreeHei Tree height (numeric)
MedHei Median tree height (numeric)
MaxHei Maximum tree height (numeric)
BranchNumb Number of branches (integer)
MEAH Mean epiphyte attachment height (numeric)
MEAH_sd Standard deviation of mean epiphyte attachment height (numeric)
MSP Mean species per phorophyte (integer)
MSP_sd Standard deviation of mean species per phorophyte (integer)
Htree Mean tree height (numeric)
Htree_sd Standard deviation of mean tree height (numeric)
BranNum Mean branch number (numeric)
BranNum_sd Standard deviation of branch number (numeric)
tree.id Tree identifier (character)
dead Tree mortality status (factor with 2 levels)

Details

The dataset name has been kept as 'dead_lianas_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 object. The original content has not been modified in any way.

Source

Data taken from the **biometrics** package version 1.0.2

digital_centers_tbl_df

Digital Centers in Sucre (Spanish speaking)

Description

This dataset, digital_centers_tbl_df, is a tibble containing information about Digital Centers located in the department of Sucre. It includes details such as department name, municipality name, PDET status, name of the populated center, educational center name, start date of operation, end date of initial operation, and current status. The dataset was obtained from GOV.CO Datos Abiertos, last update on April 20, 2024.

Usage

```
data(digital_centers_tbl_df)
```

Format

A tibble with 475 observations and 8 variables:

NOMBRE DEPARTAMENTO Name of the department (character)

NOMBRE MUNICIPIO Name of the municipality (character)

PDET PDET status (character)

NOMBRE CENTRO POBLADO Name of the populated center (character)

NOMBRE SEDE EDUCATIVA Name of the educational center (character)

FECHA INICIO DE OPERACIÓN Start date of operation (character)

FIN DE OPERACIÓN INICIAL End date of initial operation (character)

ESTADO Current status of the center (character)

Details

The dataset name has been kept as 'digital_centers_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 object. The original content has not been modified in any way.

Source

Data obtained from GOV.CO Datos Abiertos: https://www.datos.gov.co/Ciencia-Tecnolog-a-e-Innovaci-n/Centros-Digitales-Sucre-/pwyn-md8n/about_data

digital_graduates_tbl_df

"Advancing in Digital" Program Graduates (Spanish speaking)

Description

This dataset, `digital_graduates_tbl_df`, is a tibble containing information about graduates of the first cohort in the various courses of the "Avanzando en lo Digital" program, an initiative aimed at developing digital skills. It includes data such as year, age, gender, courses enrolled, zone, ethnicity, and socioeconomic stratum. The dataset was obtained from GOV.CO Datos Abiertos, last update on October 3, 2024.

Usage

```
data(digital_graduates_tbl_df)
```

Format

A tibble with 230 observations and 7 variables:

AÑO Year of graduation (numeric)

EDAD Age of the graduate (numeric)

GENERO Gender of the graduate (character)

CURSOS INSCRITOS Courses in which the graduate was enrolled (character)

ZONA Geographical zone of the graduate (character)

ETNIA Ethnicity of the graduate (character)

ESTRATO Socioeconomic stratum of the graduate (numeric)

Details

The dataset name has been kept as `'digital_graduates_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 object. The original content has not been modified in any way.

Source

Data obtained from GOV.CO Datos Abiertos: https://www.datos.gov.co/Ciencia-Tecnolog-a-e-Innovaci-n/GRADUADOS-AVANZANDO-EN-LO-DIGITAL-PRIMERA-PROMOCIO/yfz9-fwqr/about_data

foreign_visitors_tbl_df

Non-Resident Foreign Visitors to Colombia (Spanish speaking)

Description

This dataset, `foreign_visitors_tbl_df`, is a tibble containing information about non-resident foreigners entering Colombia through various migration points. It includes data on the year, month, destination department, destination city, country of residence of the foreign visitor, and the number of non-resident foreigners. The dataset was obtained from GOV.CO Datos Abiertos, last update on September 25, 2025.

Usage

```
data(foreign_visitors_tbl_df)
```

Format

A tibble with 466,915 observations and 6 variables:

Año Year of the record (numeric)

Mes Month of the record (character)

Departamento Destination department in Colombia (character)

Ciudad Destination city in Colombia (character)

PaisOEEResidencia Country of residence of the foreign visitor (character)

Cant Extranjeros no Residentes Number of non-resident foreign visitors (numeric)

Details

The dataset name has been kept as `'foreign_visitors_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 object. The original content has not been modified in any way.

Source

Data obtained from GOV.CO Datos Abiertos: https://www.datos.gov.co/Comercio-Industria-y-Turismo/Extranjeros-No-Residentes/7wm8-w5ad/about_data

`gdp_departments_tbl_df`*Departmental GDP Projection (Spanish speaking)*

Description

This dataset, `gdp_departments_tbl_df`, is a tibble containing the projected Gross Domestic Product (GDP) at constant prices for the departments of Colombia, expressed in 2015 prices. It includes data such as year, economic activity, sector, price type, DIVIPOLA department code, department name, and GDP value in thousands of millions of pesos. The dataset was obtained from GOV.CO Datos Abiertos, last update on November 1, 2024.

Usage

```
data(gdp_departments_tbl_df)
```

Format

A tibble with 16,302 observations and 7 variables:

Año Year of the record (numeric)

Actividad Economic activity (character)

Sector Sector of the economy (character)

Tipo de precios Price type (character)

Código Departamento (DIVIPOLA) DIVIPOLA code of the department (numeric)

Departamento Name of the department (character)

Valor (miles de millones de pesos) GDP value in thousands of millions of pesos (numeric)

Details

The dataset name has been kept as `'gdp_departments_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 object. The original content has not been modified in any way.

Source

Data obtained from GOV.CO Datos Abiertos: https://www.datos.gov.co/Econom-a-y-Finanzas/PIB-Departamental-con-proyecci-n/kgyi-qc7j/about_data

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_airports()  
}
```

```
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()
```

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`: Attraction identifier (integer)
- `name`: Attraction name (character)
- `description`: Attraction description (character)
- `latitude`: Latitude coordinates (numeric)
- `longitude`: Longitude coordinates (numeric)
- `cityId`: City identifier (integer)

Returns NULL if the API request fails.

Note

Requires internet connection.

Source

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

See Also

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

Examples

```
if (interactive()) {  
  get_colombia_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 *Get All Cities of Colombia*

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()
```

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: City identifier (integer)
- name: City name (character)

Returns NULL if the API request fails.

Note

Requires internet connection.

Source

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

See Also

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

Examples

```
if (interactive()) {  
  get_colombia_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	<i>Get Colombia's GDP (current US\$) from World Bank</i>
------------------	----------------------------------------------------------

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).

Details

This function sends a GET request to the Nager.Date 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:

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

Note

Requires internet connection.

Source

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

See Also[GET](#), [fromJSON](#), [tibble](#)**Examples**

```
if (interactive()) {  
  get_colombia_holidays(2024)  
}
```

`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()
```

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: Species identifier (integer)
- name: Species common name (character)
- scientificName: Scientific name of the species (character)
- commonNames: List of common names (list)
- impact: Description of ecological impact (character)
- manage: Management recommendations (character)
- riskLevel: Risk level classification (character)

Returns NULL if the API request fails.

Note

Requires internet connection.

Source

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

See Also

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

Examples

```
if (interactive()) {  
  get_colombia_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

```
if (interactive()) {  
  get_colombia_literacy_rate()  
}
```

```
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()
```

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: Community identifier (integer)
- name: Community name (character)
- description: Community description (character)
- languages: Languages spoken by the community (list)

Returns NULL if the API request fails.

Note

Requires internet connection.

Source

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

See Also

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

Examples

```
if (interactive()) {  
  get_colombia_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()
```

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: Natural area identifier (integer)
- areaGroupId: Area group identifier (integer)
- categoryNaturalAreaId: Category identifier for the natural area (integer)
- name: Natural area name (character)
- departmentId: Department identifier (integer)
- daneCode: DANE statistical code (character)
- landArea: Land area in hectares (numeric)

Returns NULL if the API request fails.

Note

Requires internet connection.

Source

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

See Also

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

Examples

```
if (interactive()) {  
  get_colombia_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 *Get Radios of Colombia from API Colombia*

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()
```

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: Radio station identifier (integer)
- name: Radio station name (character)
- frequency: Broadcast frequency (numeric)
- band: Frequency band (e.g., AM, FM) (character)

Returns NULL if the API request fails.

Note

Requires internet connection.

Source

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

See Also

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

Examples

```
if (interactive()) {  
  get_colombia_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 from API Colombia

Description

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

Usage

```
get_colombia_typical_dishes()
```

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: Dish identifier (integer)
- name: Dish name (character)
- description: Dish description (character)

Returns NULL if the API request fails.

Note

Requires internet connection.

Source

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

See Also

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

Examples

```
if (interactive()) {  
  get_colombia_typical_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	<i>Get Key Country Information for Colombia from the REST Countries API</i>
---------------------	-----------------------------------------------------------------------------

Description

Retrieves selected, essential information about Colombia using the REST Countries API. The function returns a tibble with core details such as population, area, capital, region, and official language(s).

See the API documentation at <https://restcountries.com/>. Example API usage: <https://restcountries.com/v3.1/name/colombia?fullText=true>.

Usage

```
get_country_info_co()
```

Details

The function sends a GET request to the REST Countries API. If the API returns data for Colombia, the function extracts and returns selected fields as a tibble. If the request fails or Colombia is not found, it returns NULL and prints a message.

Value

A tibble with the following 8 columns:

- name_common: Common name of the country.
- name_official: Official name of the country.
- region: Geographical region.
- subregion: Subregion within the continent.
- capital: Capital city.
- area: Area in square kilometers.
- population: Population of the country.
- languages: Languages spoken in the country, as a comma-separated string.

Note

Requires internet connection. The data is retrieved in real time from the REST Countries API.

Source

REST Countries API: <https://restcountries.com/>

Examples

```
if (interactive()) {  
  get_country_info_co()  
}
```

indigenous_vocabulary_df

Comparative Vocabulary for Colombia's Indigenous Languages

Description

This dataset, `indigenous_vocabulary_df`, is a data frame containing a comparative vocabulary (a "wordlist") for 69 indigenous languages of Colombia, originally compiled by Huber & Reed (1992). The dataset provides lexical correspondences across multiple languages, supporting linguistic, anthropological, and historical research.

Usage

```
data(indigenous_vocabulary_df)
```

Format

A data frame with 27,521 observations and 4 variables:

CONCEPT Gloss or concept represented in the wordlist (factor with 366 levels)

COUNTERPART Word corresponding to the concept in the given language (character)

DOCULECT Name of the language or variety (factor with 71 levels)

TOKENS Tokenized form of the counterpart (character)

Details

The dataset name has been kept as `'indigenous_vocabulary_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 object. The original content has not been modified in any way.

Source

Data taken from the **qlcMatrix** package version 0.9.9

Medellin_rain_tbl_df *Medellin Rainfall Information*

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.

municipalities_tbl_df *Municipalities of Colombia (Spanish speaking)*

Description

This dataset, `municipalities_tbl_df`, is a tibble containing the list of municipalities of Colombia and their corresponding departments, ordered alphabetically.

Usage

```
data(municipalities_tbl_df)
```

Format

A tibble with 1,141 observations and 2 variables:

Departamento Name of the department (character)

Municipio Name of the municipality (character)

Details

The dataset name has been kept as `'municipalities_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 object. The original content has not been modified in any way.

Source

Data obtained from Kaggle: <https://www.kaggle.com/datasets/cavp95/municipios-colombia>

school_levels_df *Departments by Levels of Schools in Colombia*

Description

This dataset, `school_levels_df`, is a data frame containing a contingency table that classifies schools in Colombia by department and level of performance of their students. The dataset summarizes counts of schools across different performance categories in three main subjects: communication, mathematics, and science.

Usage

```
data(school_levels_df)
```

Format

A data frame with 29 observations and 12 variables:

Cinferior Number of schools with communication results at the inferior level (numeric)

Cbajo Number of schools with communication results at the low level (numeric)

Cmedio Number of schools with communication results at the medium level (numeric)

Calto Number of schools with communication results at the high level (numeric)

Minferior Number of schools with mathematics results at the inferior level (numeric)

Mbajo Number of schools with mathematics results at the low level (numeric)

Mmedio Number of schools with mathematics results at the medium level (numeric)

Malto Number of schools with mathematics results at the high level (numeric)

Tinferior Number of schools with science results at the inferior level (numeric)

Tbajo Number of schools with science results at the low level (numeric)

Tmedio Number of schools with science results at the medium level (numeric)

Talto Number of schools with science results at the high level (numeric)

Details

The dataset name has been kept as 'school_levels_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 object. The original content has not been modified in any way.

Source

Data taken from the **FactoClass** package version 1.2.9

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 `Tuluá_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/szcz9-f8ud/about_data

vehicle_count_tbl_df *Vehicle Count: Cars and Motorcycles (Spanish speaking)*

Description

This dataset, `vehicle_count_tbl_df`, is a tibble containing information from a license plate recognition camera system designed to generate trends and metrics for traffic management decision-making. It includes data on the date, sensor name, type of vehicle, and the number of vehicles counted. The dataset was obtained from GOV.CO Datos Abiertos, last update on March 26, 2024.

Usage

```
data(vehicle_count_tbl_df)
```

Format

A tibble with 262,114 observations and 4 variables:

Fecha Date of the record (character)

Nombre Sensor Name of the sensor capturing the data (character)

Tipo Vehículo Type of vehicle (Cars, Motorcycles, etc.) (character)

Cantidad Number of vehicles counted (numeric)

Details

The dataset name has been kept as 'vehicle_count_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 object. The original content has not been modified in any way.

Source

Data obtained from GOV.CO Datos Abiertos: https://www.datos.gov.co/Ciencia-Tecnolog-a-e-Innovaci-n/Conteo-de-Autos-y-Motos/s53k-ztax/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()  
}
```

Index

admitted_students_df, 3
as_tibble, [18](#), [20](#), [22–25](#), [27](#), [30](#), [34](#), [35](#), [37](#),
[38](#)

Bogota_airstations_df, 4
Bogota_business_Date, 5
Bogota_holidays_Date, 5
Bogota_malls_tbl_df, 6
Bucaramanga_wifi_tbl_df, 7

Cannabis_Licenses_tbl_df, 8
Cartagena_wifi_tbl_df, 9
Colombia_coffee_tbl_df, 10
ColombiAPI, 10
ColombiAPI-package (ColombiAPI), 10
comma, [25](#), [34](#)

dead_lianas_df, 12
digital_centers_tbl_df, 14
digital_graduates_tbl_df, 15

foreign_visitors_tbl_df, 16
fromJSON, [18–25](#), [27](#), [29–31](#), [33–38](#)

gdp_departments_tbl_df, 17
GET, [18–25](#), [27](#), [29–31](#), [33–38](#)
get_colombia_airports, 18
get_colombia_attractions, 19
get_colombia_child_mortality, 20
get_colombia_cities, 21
get_colombia_cpi, 22
get_colombia_departments, 23
get_colombia_energy_use, 24
get_colombia_gdp, 25
get_colombia_holidays, 26
get_colombia_hospital_beds, 27
get_colombia_invasive_species, 28
get_colombia_life_expectancy, 29
get_colombia_literacy_rate, 30
get_colombia_native_communities, 31
get_colombia_natural_areas, 32
get_colombia_population, 33
get_colombia_presidents, 34
get_colombia_radios, 35
get_colombia_regions, 36
get_colombia_typical_dishes, 37
get_colombia_unemployment, 38
get_country_info_co, 39

indigenous_vocabulary_df, 40

Medellin_rain_tbl_df, 41
municipalities_tbl_df, 42

school_levels_df, 42

tibble, [19](#), [21](#), [27](#), [29](#), [31](#), [33](#), [36](#), [37](#)
Tulua_Public_Schools_tbl_df, 43

vehicle_count_tbl_df, 44
view_datasets_ColombiAPI, 45