

Package: themakart (via r-universe)

October 21, 2024

Type Package

Title Provide Themakart Geometries

Version 0.1.0

Author Pascal Burkhard

Maintainer Pascal Burkhard <pascal.burkhard@gmail.com>

Description More about what it does (maybe more than one line) Use
four spaces when indenting paragraphs within the Description.

License CC BY-NC-ND 4.0

Encoding UTF-8

LazyData true

Imports sf, fs, dplyr, purrr, magrittr

Depends R (>= 4.0), sf

RoxygenNote 7.1.1

Repository <https://nenuial.r-universe.dev>

RemoteUrl <https://github.com/Nenuial/themakart>

RemoteRef HEAD

RemoteSha 1e3722dc3c5edfab39ffdf3da2a6f0a3a3ec4c1

Contents

anal	2
inke	3
inst	4
relief	5
rrep	5
rtyp	6
thema_geom	7
thema_map	7
thema_relief	8
thema_topo	8
thema_year	8
topo	9

Index**10**

anal	<i>anal data</i>
------	------------------

Description

A dataset containing the regional analytics geometries

Usage

anal

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 18 rows and 11 columns.

Data

A data frame with 11 variables:

code the geomotry code

date the date of the geometries

geometrylevel either `gf` for full surface or `vf` for limited to useful surface

geometrytype the type of gemotry

map the data in an sf dataframe

year the year

cat_code the code of the category

category_french the category in French

geometry_french the geometry in French

category_german the category in German

geometry_german the geometry in German

Source

<https://www.bfs.admin.ch/bfs/fr/home/statistiques/statistique-regions/fonds-cartes/geometries-base.html>

inke	<i>inke data</i>
------	------------------

Description

A dataset containing the infra-communal geometries

Usage

inke

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 4 rows and 11 columns.

Data

A data frame with 11 variables:

code the geomotry code

date the date of the geometries

geometrylevel either `gf` for full surface or `vf` for limited to useful surface

geometrytype the type of gemotry

map the data in an `sf` dataframe

year the year

cat_code the code of the category

category_french the category in French

geometry_french the geometry in French

category_german the category in German

geometry_german the geometry in German

Source

<https://www.bfs.admin.ch/bfs/fr/home/statistiques/statistique-regions/fonds-cartes/geometries-base.html>

inst	<i>inst data</i>
------	------------------

Description

A dataset containing the institutional geometries

Usage

inst

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 28 rows and 11 columns.

Data

A data frame with 11 variables:

code the geomotry code

date the date of the geometries

geometrylevel either `gf` for full surface or `vf` for limited to useful surface

geometrytype the type of gemotry

map the data in an `sf` dataframe

year the year

cat_code the code of the category

category_french the category in French

geometry_french the geometry in French

category_german the category in German

geometry_german the geometry in German

Source

<https://www.bfs.admin.ch/bfs/fr/home/statistiques/statistique-regions/fonds-cartes/geometries-base.html>

relief	<i>relief data</i>
--------	--------------------

Description

A dataset containing a simplified topographical relief of Switzerland

Usage

```
relief
```

Format

An object of class `data.frame` with 1135311 rows and 3 columns.

NA

rrep	<i>rrep data</i>
------	------------------

Description

A dataset containing the regional research geometries

Usage

```
rrep
```

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 9 rows and 11 columns.

Data

A data frame with 11 variables:

code the geomotry code

date the date of the geometries

geometrylevel either `gf` for full surface or `vf` for limited to useful surface

geometrytype the type of gemotry

map the data in an `sf` dataframe

year the year

cat_code the code of the category

category_french the category in French

geometry_french the geometry in French

category_german the category in German

geometry_german the geometry in German

Source

<https://www.bfs.admin.ch/bfs/fr/home/statistiques/statistique-regions/fonds-cartes/geometries-base.html>

rtyp

rtyp data

Description

A dataset containing the regional typology geometries

Usage

rtyp

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 10 rows and 11 columns.

Data

A data frame with 11 variables:

code the geomotry code

date the date of the geometries

geometrylevel either `gf` for full surface or `vf` for limited to useful surface

geometrytype the type of gemotry

map the data in an `sf` dataframe

year the year

cat_code the code of the category

category_french the category in French

geometry_french the geometry in French

category_german the category in German

geometry_german the geometry in German

Source

<https://www.bfs.admin.ch/bfs/fr/home/statistiques/statistique-regions/fonds-cartes/geometries-base.html>

thema_geom	<i>Get the available codes for a given category</i>
------------	---

Description

Get the available codes for a given category

Usage

```
thema_geom(category = c("inst", "rrep", "anal", "rtyp", "inke", "topo"))
```

Arguments

category A string corresponding to the category code

Value

A dataframe with code as well as French and German descriptions

thema_map	<i>Get the map data for a given category, geometry and year</i>
-----------	---

Description

Get the map data for a given category, geometry and year

Usage

```
thema_map(  
  category = c("inst", "rrep", "anal", "rtyp", "inke", "topo"),  
  geometry,  
  year,  
  level = c("gf", "vf")  
)
```

Arguments

category A string corresponding to the category code
geometry A string corresponding to the geometry code
year An integer corresponding to the year of the geometry
level One of gf (general) or vf (limited surfaces)

thema_relief	<i>Get relief data</i>
--------------	------------------------

Description

Get relief data

Usage

```
thema_relief()
```

thema_topo	<i>Get topo data</i>
------------	----------------------

Description

Get topo data

Usage

```
thema_topo(geometry = c("flus", "seen", "stkt"))
```

Arguments

geometry	A string corresponding to the geometry code
----------	---

thema_year	<i>Get the years available for a given geometry</i>
------------	---

Description

Get the years available for a given geometry

Usage

```
thema_year(
  category = c("inst", "rrep", "anal", "rtyp", "inke", "topo"),
  geometry
)
```

Arguments

category	A string corresponding to the category code
geometry	A string corresponding to the geometry code

Value

A vector of years

topo	<i>topo data</i>
------	------------------

Description

A dataset containing the topographical geometries

Usage

topo

Format

An object of class `tbl_df` (inherits from `tbl`, `data.frame`) with 8 rows and 11 columns.

Data

A data frame with 11 variables:

code the geomotry code

date the date of the geometries

geometrylevel either `gf` for full surface or `vf` for limited to useful surface

geometrytype the type of gemotry

map the data in an `sf` dataframe

year the year

cat_code the code of the category

category_french the category in French

geometry_french the geometry in French

category_german the category in German

geometry_german the geometry in German

Source

<https://www.bfs.admin.ch/bfs/fr/home/statistiques/statistique-regions/fonds-cartes/geometries-base.html>

Index

* datasets

- anal, [2](#)
- inke, [3](#)
- inst, [4](#)
- relief, [5](#)
- rrep, [5](#)
- rtyp, [6](#)
- topo, [9](#)

anal, [2](#)

inke, [3](#)

inst, [4](#)

relief, [5](#)

rrep, [5](#)

rtyp, [6](#)

thema_geom, [7](#)

thema_map, [7](#)

thema_relief, [8](#)

thema_topo, [8](#)

thema_year, [8](#)

topo, [9](#)