

Package: geographer (via r-universe)

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Type Package

Title Geography Vizualisations

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Description Provides function and objects to establish vizualisations for my Geography lessons.

URL <https://geographer.nenuial.org>

BugReports <http://github.com/nenuial/geographer/issues/>

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libsodium-dev libtiff-dev libxml2-dev libssl-dev libproj-dev
 protobuf-compiler libprotoc-dev libsqlite3-dev libudunits2-dev
 libnode-dev libx11-dev zlib1g-dev

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

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

RemoteRef HEAD

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df_cartography_projections

Showcase different projections

Description

These functions showcase different map projections.

Usage

```
df_cartography_project_equirectangular()  
  
df_cartography_project_gallpeters()  
  
df_cartography_project_hobodyer()  
  
df_cartography_project_mercator()  
  
df_cartography_project_winkeltripel()  
  
df_cartography_project_robinson()  
  
df_cartography_project_goodehomolosine()  
  
df_cartography_project_equalearth()
```

Details

The following projections are available:

- Equi-rectangular: `df_cartography_project_equirectangular()`
- Gall-Peters: `df_cartography_project_gallpeters()`
- Hobo-Dyer: `df_cartography_project_hobodyer()`
- Mercator: `df_cartography_project_mercator()`
- Wikel-Tripel: `df_cartography_project_winkeltripel()`
- Robinson: `df_cartography_project_robinson()`
- Goode Homolosine: `df_cartography_project_goodehomolosine()`
- Equal Earth: `df_cartography_project_equalearth()`

Value

A `ggplot2` object

Examples

```
df_cartography_project_equirectangular()  
df_cartography_project_gallpeters()  
df_cartography_project_hobodyer()  
df_cartography_project_mercator()  
df_cartography_project_winkeltripel()  
df_cartography_project_robinson()  
df_cartography_project_goodehomolosine()  
df_cartography_project_equalearth()
```

df_demography_graph_world_population_current
World population

Description

World population graph

Usage

```
df_demography_graph_world_population_current(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
df_demography_graph_world_population_current()
```

df_demography_graph_world_population_growth
World population growth rate

Description

World population growth rate graph

Usage

```
df_demography_graph_world_population_growth(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
df_demography_graph_world_population_growth()
```

df_demography_graph_world_population_historical
Historical world population plot

Description

World population graph from 10'000 BCE to 1200 CE

Usage

```
df_demography_graph_world_population_historical(  
  theme = ggplot2::theme_minimal()  
)
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
df_demography_graph_world_population_historical()
```

df_demography_hc_world_hdi
Graph of the Human Development Index

Description

Every country of the world with the Human Development Index from 1990 to 2021.

Usage

```
df_demography_hc_world_hdi()
```

Value

A hicharter graph

Examples

```
df_demography_hc_world_hdi()
```

df_demography_map_hc_world_hdi
Humand Development Index (HDI) map

Description

Humand Development Index (HDI) map

Usage

```
df_demography_map_hc_world_hdi(year)
```

Arguments

year The year

Value

A highcharter map

Examples

```
df_demography_map_hc_world_hdi(2020)
```

gph_base_map *Get a base map for a country*

Description

This function renders a base map with the country highlighted.

Usage

```
gph_base_map(country)  
gph_base_tmap(country)
```

Arguments

country Country to highlight

Value

A leaflet map with the country borders

Examples

```
# Using Leaflet
gph_base_map("Switzerland")
gph_base_map("United Kingdom")

# Using tmap (v4)
gph_base_tmap("Switzerland")
gph_base_tmap("United Kingdom")
```

gph_boundbox	<i>NaturalEarth Bound box for planet Earth</i>
--------------	--

Description

NaturalEarth Bound box for planet Earth

Usage

```
gph_boundbox()
```

Value

A simple feature

Examples

```
gph_boundbox()
```

gph_demogram	<i>Create demogram for country</i>
--------------	------------------------------------

Description

Provides basic ggplot2 graph with the following data on it :

population the population curve (blue)

birth_rate the birth rate curve (grey)

death_rate the death_rate curve (black)

Usage

```
gph_demogram(  
  country,  
  theme = ggplot2::theme_minimal(),  
  population_color = "blue"  
)
```


Arguments

country A string with the country name
theme A ggplot2 theme
population_color A color value for the population curve

Value

A ggplot2 graph

Examples

```
gph_demogram("Switzerland")
```

gph_hc_demogram *Create demogram for country*

Description

Provides basic ggplot2 graph with the following data on it :

population the population curve (blue)

birth_rate the birth rate curve (grey)

death_rate the death_rate curve (black)

Usage

```
gph_hc_demogram(country)
```

Arguments

country A string with the country name

Value

A highcharter graph

Examples

```
gph_hc_demogram("Switzerland")
```

gph_hc_lexgram *Create lexgram for country*

Description

Provides basic ggplot2 graph with the following data on it :

lex the total life expectancy (black dotted)

lex_male the male life expectancy (blue)

ley_female the female life expectancy (red)

Usage

```
gph_hc_lexgram(country, men = "blue", women = "red", all = "black")
```

Arguments

country	A string with the country name
men	Color for men line
women	Color for women line
all	Color for average line

Value

A highcharts graph

Examples

```
gph_hc_lexgram("Switzerland")
```

gph_hc_map_swiss_votes *Plot latest swiss votation using highcharts*

Description

Plot latest swiss votation using highcharts

Usage

```
gph_hc_map_swiss_votes(  
  geolevel = c("canton", "district", "municipality"),  
  votedates,  
  id,  
  language = "FR"  
)
```

Arguments

<code>geolevel</code>	One of "canton", "district" or "municipality"
<code>votedates</code>	The date of the vote
<code>id</code>	The vote id
<code>language</code>	One of "DE", "FR", "IT" or "RM"

Value

A highcharter map

Examples

```
gph_hc_map_swiss_votes("canton", votedates = "2024-03-03", id = 6650)
```

`gph_hc_pyramid` *Create highcharter population pyramid*

Description

Create highcharter population pyramid

Usage

```
gph_hc_pyramid(country, year)
```

Arguments

<code>country</code>	A string with the country name
<code>year</code>	An integer for the year

Value

A highcharter graph

Examples

```
# Not run: need a valid IDB API key  
gph_hc_pyramid("Switzerland", 2020)
```

gph_hc_pyramid_relative

Create highcharter population pyramid with relative values

Description

Create highcharter population pyramid with relative values

Usage

```
gph_hc_pyramid_relative(country, year)
```

Arguments

country	A string with the country name
year	An integer for the year

Value

A highcharter graph

Examples

```
# Not run: need a valid IDB API key  
gph_hc_pyramid_relative("Switzerland", 2020)
```

gph_historical_world_map

Return Historical World Map

Description

Return Historical World Map

Usage

```
gph_historical_world_map(date)
```

Arguments

date	A date object
------	---------------

Value

An sf object

Examples

```
lubridate::ymd("1945-06-01") |>  
  gph_historical_world_map() |>  
  ggplot2::ggplot() +  
  ggplot2::geom_sf()
```

gph_lexgram

Create lexgram for country

Description

Provides basic ggplot2 graph with the following data on it :

lex the total life expectancy (black dotted)

lex_male the male life expectancy (blue)

ley_female the female life expectancy (red)

Usage

```
gph_lexgram(  
  country,  
  theme = ggplot2::theme_minimal(),  
  men = "blue",  
  women = "red",  
  all = "black"  
)
```

Arguments

country	A string with the country name
theme	A ggplot2 theme
men	Color for men line
women	Color for women line
all	Color for average line

Value

A ggplot2 graph

Examples

```
gph_lexgram("Switzerland")
```

`gph_map_swiss_lakes` *Swiss lakes for maps*

Description

Swiss lakes for maps

Usage

```
gph_map_swiss_lakes(  
  fill_color = "skyblue",  
  source = themakart::thema_topo("seen")  
)
```

Arguments

`fill_color` A color for the lakes (default: skyblue)
`source` The geometry for lakes (default: ThemaKart lakes)

Value

A ggplot2 layer for Swiss lakes

Examples

```
ggplot2::ggplot() +  
  gph_map_swiss_relief() +  
  gph_map_swiss_lakes()
```

`gph_map_swiss_relief` *Swiss relief background for maps*

Description

Swiss relief background for maps

Usage

```
gph_map_swiss_relief()
```

Value

A list of ggplot 2 layers for Swiss relief backgroup

Examples

```
ggplot2::ggplot() +  
  gph_map_swiss_relief() +  
  gph_map_swiss_lakes()
```

gph_map_swiss_votes *Plot latest swiss votation*

Description

Plot latest swiss votation

Usage

```
gph_map_swiss_votes(  
  geolevel = c("canton", "district", "municipality"),  
  votedates,  
  id,  
  language = "FR"  
)
```

Arguments

geolevel	One of "canton", "district" or "municipality"
votedates	The date of the vote
id	The vote id
language	One of "DE", "FR", "IT" or "RM"

Value

A ggplot2 map

Examples

```
gph_map_swiss_votes("canton", votedates = "2024-03-03", id = 6650)
```

`gph_mini_globe` *Create a globe with the countries in the list highlighted*

Description

Create a globe with the countries in the list highlighted

Usage

```
gph_mini_globe(countries)
```

Arguments

`countries` A vector of country names

Value

A ggplot map

Examples

```
gph_mini_globe("Switzerland")
```

`gph_project_world` *Project simple world map*

Description

Project simple world map

Usage

```
gph_project_world(crs)
```

Arguments

`crs` A valid CRS string or object

Value

A ggplot map

Examples

```
gph_project_world("+proj=eqearth")
```

`gph_project_world_tissot`*Projet world map with Tissot matrices*

Description

Projet world map with Tissot matrices

Usage

```
gph_project_world_tissot(crs)
```

Arguments

`crs` A valid CRS string or object

Value

A ggplot object

Examples

```
gph_project_world_tissot("+proj=eqearth")
```

`gph_pyramid`*Create population pyramid*

Description

Create population pyramid

Usage

```
gph_pyramid(country, year, theme = ggplot2::theme_minimal())
```

Arguments

`country` A string with the country name

`year` An integer for the year

`theme` A ggplot2 theme

Value

A ggplot graph

Examples

```
# Not run: needs a valid IDB API key
gph_pyramid("Switzerland", 2020)
```

`gph_pyramid_relative` *Create relative population pyramid (5 year cohorts)*

Description

Create relative population pyramid (5 year cohorts)

Usage

```
gph_pyramid_relative(country, year, theme = ggplot2::theme_minimal())
```

Arguments

<code>country</code>	A string with the country name
<code>year</code>	An integer for the year
<code>theme</code>	A ggplot2 theme

Value

A ggplot graph

Examples

```
# Not run: needs a valid IDB API key
gph_pyramid_relative("Switzerland", 2020)
```

`gph_wb_world_map` *Create world maps for an indicator*

Description

Create world maps for an indicator

Usage

```
gph_wb_world_map(indicator)

gph_wb_world_hc(indicator)
```

Arguments

indicator A list of lists. Each list should contain:

- code** A named vector with the name of the indicator and it's World Bank code
- operation** An expression that can make operations based on the indicator names
- title** Title of the map
- file** Name of the file
- palette** List with parameters *palette* for the name of the palette, *type* for the type of palette and *dir* for the direction
- breaks** Breaks for cutting the data
- center** Where is the center of the data (for diverging palettes), -1 otherwise
- unit** The unit of the indicator
- year** A vector with each year wanted

Examples

```
# Not run: saves the plots on file
indicators <- list(
  list(
    code = c("population" = "EN.POP.DNST"),
    operation = rlang::expr(population),
    title = geotools::gtl_translate_enfr(
      "Population density", "Densité de population"
    ),
    file = "density",
    palette = list(
      palette = "viridis::viridis",
      type = "cont", dir = -1
    ),
    breaks = c(10, 25, 50, 75, 100, 150, 300, 1000),
    center = -1,
    unit = "pp/km²",
    years = c(2019)
  )
)

gph_wb_world_map(indicators)
```

oc_chine_carte_2018_sex_ratio_par_region
Sex-ratio par régions en Chine

Description

Une carte du rapport du nombre d'hommes par rapport aux femmes par régions pour 2018.

Usage

```
oc_chine_carte_2018_sex_ratio_par_region(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 map

Examples

```
oc_chine_carte_2018_sex_ratio_par_region()
```

```
oc_ecocitoyennete_graph_energy_per_source  
                                  Consommation d'énergie par source
```

Description

Consommation d'énergie par source

Usage

```
oc_ecocitoyennete_graph_energy_per_source(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_ecocitoyennete_graph_energy_per_source()
```

oc_geo_au_feminin_cartes_afghanistan
Géopolitique de l'Afghanistan

Description

Cartes qui permettent de retracer l'évolution géopolitique de l'Afghanistan depuis 1912.

Usage

```
oc_geo_au_feminin_carte_afghanistan_independance(  
  theme = ggplot2::theme_minimal()  
)  
  
oc_geo_au_feminin_carte_afghanistan(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Details

Carte disponibles:

- 1912: oc_geo_au_feminin_carte_afghanistan_independance()
- 1950: oc_geo_au_feminin_carte_afghanistan()

Value

A ggplot2 map

Examples

```
oc_geo_au_feminin_carte_afghanistan_independance()  
oc_geo_au_feminin_carte_afghanistan()
```

oc_geo_au_feminin_cartes_avortements
Avortement

Description

Cartes des droits en matière d'avortement ainsi que des taux d'avortement.

Usage

```
oc_geo_au_feminin_carte_hc_abortion_rights()  
  
oc_geo_au_feminin_carte_abortion_rights(theme = ggplot2::theme_minimal())  
  
oc_geo_au_feminin_carte_hc_taux_avortement()  
  
oc_geo_au_feminin_carte_taux_avortement(theme = ggplot2::theme_minimal())
```

Arguments

theme	A ggplot2 theme
-------	-----------------

Value

A map

Examples

```
oc_geo_au_feminin_carte_hc_abortion_rights()  
oc_geo_au_feminin_carte_abortion_rights()  
oc_geo_au_feminin_carte_hc_taux_avortement()  
oc_geo_au_feminin_carte_taux_avortement()
```

oc_geo_au_feminin_cartes_esperance_de_vie
Différence d'espérance de vie

Description

Cartes pour mettre en évidence les différences d'espérance de vie entre hommes et femmes.

Usage

```
oc_geo_au_feminin_carte_esperance_de_vie_wpp2012_2005_a_2010(  
  theme = ggplot2::theme_minimal()  
)  
  
oc_geo_au_feminin_carte_esperance_de_vie_wpp2019_2005_a_2010(  
  theme = ggplot2::theme_minimal()  
)  
  
oc_geo_au_feminin_carte_esperance_de_vie_wpp2019_2015_a_2020(  
  theme = ggplot2::theme_minimal()  
)
```

Arguments

theme A ggplot2 theme

Value

A map

Examples

```
oc_geo_au_feminin_carte_esperance_de_vie_wpp2012_2005_a_2010()  
oc_geo_au_feminin_carte_esperance_de_vie_wpp2019_2005_a_2010()  
oc_geo_au_feminin_carte_esperance_de_vie_wpp2019_2015_a_2020()
```

oc_geo_au_feminin_cartes_inegalites
Mesure d'inégalité

Description

Ces différentes cartes présente plusieurs indicateurs de l'inégalité entre hommes et femmes.

Usage

```
oc_geo_au_feminin_carte_sigi_2023(theme = ggplot2::theme_minimal())  
  
oc_geo_au_feminin_carte_hc_sigi_2023()  
  
oc_geo_au_feminin_carte_hc_gii_2021()  
  
oc_geo_au_feminin_carte_hc_wbl()
```

Arguments

theme A ggplot2 theme

Details

Indicateurs à disposition:

- SIGI 2023: oc_geo_au_feminin_carte_sigi_2023() et oc_geo_au_feminin_carte_hc_sigi_2023()
- GII 2021: oc_geo_au_feminin_carte_hc_gii_2021()
- WB WBL 2022: oc_geo_au_feminin_carte_hc_wbl()

Value

A map

Examples

```
# Sigi 2023
oc_geo_au_feminin_carte_sigi_2023()
oc_geo_au_feminin_carte_hc_sigi_2023()

# GII 2021
oc_geo_au_feminin_carte_hc_gii_2021()

# WB WBL 2022
oc_geo_au_feminin_carte_hc_wbl()
```

```
oc_geo_au_feminin_cartes_sex_ratio
  Sex ratio à la naissance
```

Description

Cartes du sex ratio à la naissance.

Usage

```
oc_geo_au_feminin_carte_sex_ratio(year, theme = ggplot2::theme_minimal())

oc_geo_au_feminin_carte_hc_sex_ratio()
```

Arguments

year	The year
theme	A ggplot2 theme

Value

A ggplot2 map

Examples

```
oc_geo_au_feminin_carte_sex_ratio(2015)
oc_geo_au_feminin_carte_hc_sex_ratio()
```

oc_geo_au_feminin_cartes_viol_europe
Viols

Description

Cartes du taux de viols déclarés en Europe.

Usage

```
oc_geo_au_feminin_carte_viol_europe(theme = ggplot2::theme_minimal())  
  
oc_geo_au_feminin_carte_hc_viol_europe()
```

Arguments

theme A ggplot2 theme

Value

A map

Examples

```
oc_geo_au_feminin_carte_viol_europe()  
oc_geo_au_feminin_carte_hc_viol_europe()
```

oc_geo_au_feminin_carte_hc_contraception
Contraception

Description

Carte mondiale interactive de la prévalence de la contraception.

Usage

```
oc_geo_au_feminin_carte_hc_contraception()
```

Value

A highcharts map

Examples

```
oc_geo_au_feminin_carte_hc_contraception()
```

oc_geo_au_feminin_carte_hc_femmes_parlement
Représentation politique

Description

Carte interactive du nombre de femmes au parlement.

Usage

```
oc_geo_au_feminin_carte_hc_femmes_parlement()
```

Value

A highcharts map

Examples

```
oc_geo_au_feminin_carte_hc_femmes_parlement()
```

oc_geo_au_feminin_carte_hc_mondiale_suffrage_feminin
Suffrage féminin mondial

Description

Carte interactive de l'accès au suffrage féminin par pays

Usage

```
oc_geo_au_feminin_carte_hc_mondiale_suffrage_feminin()
```

Value

A highcharts map

Examples

```
oc_geo_au_feminin_carte_hc_mondiale_suffrage_feminin()
```

oc_geo_au_feminin_carte_hc_suisse_suffrage_feminin
Suffrage féminin suisse

Description

Carte interactive de l'accès au suffrage féminin par canton

Usage

```
oc_geo_au_feminin_carte_hc_suisse_suffrage_feminin()
```

Value

A highcharts map

Examples

```
oc_geo_au_feminin_carte_hc_suisse_suffrage_feminin()
```

oc_geo_au_feminin_graphs_2019_violences_sexuelles
Expérience de violences sexuelles

Description

Graphiques visualisant les résultats de l'enquête sur les violences sexuelles en Suisse réalisée par GFS.Bern sur demande d'Amnesty international en avril 2019.

Usage

```
oc_geo_au_feminin_graph_2019_violences_sexuelles_experiences(  
  theme = ggplot2::theme_minimal()  
)
```

```
oc_geo_au_feminin_graph_2019_violences_sexuelles_actes(  
  theme = ggplot2::theme_minimal()  
)
```

```
oc_geo_au_feminin_graph_2019_violences_sexuelles_police(  
  theme = ggplot2::theme_minimal()  
)
```

Arguments

theme A ggplot2 theme

Value

A graph

Examples

```
oc_geo_au_feminin_graph_2019_violences_sexuelles_experiences()
oc_geo_au_feminin_graph_2019_violences_sexuelles_actes()
oc_geo_au_feminin_graph_2019_violences_sexuelles_police()
```

```
oc_geo_au_feminin_graphs_difference_salariale
  Différences salariales en Suisse
```

Description

Graphiques présentant les différences salariale en Suisse par formation et par position.

Usage

```
oc_geo_au_feminin_graph_difference_salariale_brut_par_formation(
  theme = ggplot2::theme_minimal()
)

oc_geo_au_feminin_graph_difference_salariale_pourcent_par_formation(
  theme = ggplot2::theme_minimal()
)

oc_geo_au_feminin_graph_difference_salariale_brut_par_position(
  theme = ggplot2::theme_minimal()
)

oc_geo_au_feminin_graph_difference_salariale_pourcent_par_position(
  theme = ggplot2::theme_minimal()
)
```

Arguments

theme A ggplot2 theme

Value

A graph

Examples

```
oc_geo_au_feminin_graph_difference_salariale_brut_par_formation()
oc_geo_au_feminin_graph_difference_salariale_brut_par_position()
oc_geo_au_feminin_graph_difference_salariale_pourcent_par_formation()
oc_geo_au_feminin_graph_difference_salariale_pourcent_par_position()
```

```
oc_geo_au_feminin_graphs_esperances_de_vie
  Espérance de vie
```

Description

Graphiques sur l'évolution de l'espérance de vie.

Usage

```
oc_geo_au_feminin_graph_esperances_de_vie(theme = ggplot2::theme_minimal())

oc_geo_au_feminin_graph_difference_esperance_de_vie(
  theme = ggplot2::theme_minimal()
)
```

Arguments

theme A ggplot2 theme

Value

A graph

Examples

```
oc_geo_au_feminin_graph_esperances_de_vie()

# Not run: need credentials for HMD database
oc_geo_au_feminin_graph_difference_esperance_de_vie()
```

```
oc_geo_au_feminin_graphs_programmation_16_24_ans
  Taux de jeunes apprenant à coder
```

Description

Taux de jeunes apprenant à coder

Usage

```
oc_geo_au_feminin_graph_programmation_16_24_ans(
  theme = ggplot2::theme_minimal()
)

oc_geo_au_feminin_hc_programmation_16_24_ans()
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_geo_au_feminin_graph_programmation_16_24_ans()  
oc_geo_au_feminin_hc_programmation_16_24_ans()
```

```
oc_geo_au_feminin_graphs_scolarisation_filles_afghanistan  
                                  Scolarisation des filles en Afghanistan
```

Description

Scolarisation des filles en Afghanistan

Usage

```
oc_geo_au_feminin_graph_scolarisation_filles_afghanistan(  
  theme = ggplot2::theme_minimal(),  
  line_color = "black"  
)  
  
oc_geo_au_feminin_hc_scolarisation_filles_afghanistan()
```

Arguments

theme A ggplot2 theme
line_color Graph line color

Value

A graph

Examples

```
oc_geo_au_feminin_graph_scolarisation_filles_afghanistan()  
oc_geo_au_feminin_hc_scolarisation_filles_afghanistan()
```

oc_geo_au_feminin_graphs_situation_eco_afghanistan
PIB de l'Afghanistan par habitant

Description

Graphiques avec l'évolution du PIB par habitant en Afghanistan

Usage

```
oc_geo_au_feminin_graph_situation_eco_afghanistan(  
  theme = ggplot2::theme_minimal(),  
  line_color = "black"  
)  
  
oc_geo_au_feminin_hc_situation_eco_afghanistan()
```

Arguments

theme	A ggplot2 theme
line_color	Graph line color

Value

A graph

Examples

```
oc_geo_au_feminin_graph_situation_eco_afghanistan()  
oc_geo_au_feminin_hc_situation_eco_afghanistan()
```

oc_geo_au_feminin_graphs_suisse_avortements
Avortement en Suisse

Description

Graphiques sur l'évolution du taux d'avortement en Suisse et l'évolution politique à ce sujet.

Usage

```
oc_geo_au_feminin_graph_suisse_avortements(theme = ggplot2::theme_minimal())

oc_geo_au_feminin_hc_suisse_avortements_par_ages()

oc_geo_au_feminin_graph_suisse_avortements_par_ages(
  theme = ggplot2::theme_minimal()
)

oc_geo_au_feminin_hc_suisse_avortements_par_regions()

oc_geo_au_feminin_graph_suisse_avortements_par_regions(
  theme = ggplot2::theme_minimal()
)

oc_geo_au_feminin_hc_suisse_votations_avortement()

oc_geo_au_feminin_graph_suisse_votations_avortement(
  theme = ggplot2::theme_minimal()
)
```

Arguments

theme A ggplot2 theme

Value

A graph

Examples

```
oc_geo_au_feminin_graph_suisse_avortements()
oc_geo_au_feminin_graph_suisse_avortements_par_ages()
oc_geo_au_feminin_hc_suisse_avortements_par_ages()
oc_geo_au_feminin_graph_suisse_avortements_par_regions()
oc_geo_au_feminin_hc_suisse_avortements_par_regions()
oc_geo_au_feminin_graph_suisse_votations_avortement()
oc_geo_au_feminin_hc_suisse_votations_avortement()
```

oc_geo_au_feminin_graph_proportion_parlements

OC Géo au féminin: représentation politique

Description

Pourcentage de femmes dans les parlements nationaux par régions

Usage

```
oc_geo_au_feminin_graph_proportion_parlements(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_geo_au_feminin_graph_proportion_parlements()
```

oc_israel_palestine_graphs_migration
Migrations

Description

Graphiques sur le thème de l'immigration en Israël.

Usage

```
oc_israel_palestine_graph_migration_israel(theme = ggplot2::theme_minimal())
```

```
oc_israel_palestine_hc_migration_israel()
```

```
oc_israel_palestine_graph_population_nae(theme = ggplot2::theme_minimal())
```

```
oc_israel_palestine_hc_immigration_sioniste()
```

Arguments

theme A ggplot2 theme

Value

A graph

Examples

```
oc_israel_palestine_graph_migration_israel()  
oc_israel_palestine_hc_migration_israel()  
oc_israel_palestine_graph_population_nae()  
oc_israel_palestine_hc_immigration_sioniste()
```

`oc_russie_carte_accroissement`*Accroissement naturel en Russie*

Description

Une carte de l'accroissement naturel en 2023 au niveau régional en Russie.

Usage

```
oc_russie_carte_accroissement(  
  theme = ggplot2::theme_minimal(),  
  barwidth = 40,  
  greyscale = FALSE  
)
```

```
oc_russie_carte_hc_accroissement()
```

Arguments

<code>theme</code>	A ggplot2 theme
<code>barwidth</code>	Width of legend bar
<code>greyscale</code>	Boolean: whether to create a grey scale map

Value

A map

Examples

```
oc_russie_carte_accroissement()  
oc_russie_carte_hc_accroissement()
```

`oc_russie_carte_adhesion_otan`*Adhésion à l'OTAN*

Description

Carte de l'adhésion à l'OTAN par années

Usage

```
oc_russie_carte_adhesion_otan(theme = ggplot2::theme_minimal())
```

```
oc_russie_carte_hc_adhesion_otan(layout = "proximate", zoom = 3.5)
```

Arguments

theme	A ggplot2 theme
layout	Layout of the legend, either 'horizontal', 'vertical' or 'proximate'
zoom	Map zoom (defaults to 3.5)

Value

A ggplot2 map

Examples

```
oc_russie_carte_adhesion_otan()  
oc_russie_carte_hc_adhesion_otan()
```

oc_russie_carte_divorces

Taux de divorce en Russie

Description

Une carte des divorces pour 1000 habitants par régions en 2019.

Usage

```
oc_russie_carte_divorces(theme = ggplot2::theme_minimal())
```

Arguments

theme	A ggplot2 theme
-------	-----------------

Value

A ggplot2 map

Examples

```
oc_russie_carte_divorces()
```

oc_russie_carte_evolution_population
Évolution démographique en Russie

Description

Une carte de l'évolution démographique Russe entre 1990 et 2020.

Usage

```
oc_russie_carte_evolution_population(  
  theme = ggplot2::theme_minimal(),  
  barwidth = 40  
)
```

Arguments

theme	A ggplot2 theme
barwidth	Width of legend bar

Value

A ggplot2 map

Examples

```
oc_russie_carte_evolution_population()
```

oc_russie_carte_fecondite
Indice de fécondité en Russie

Description

Une carte de l'indice de fécondité en 2023 au niveau régional en Russie.

Usage

```
oc_russie_carte_fecondite(  
  theme = ggplot2::theme_minimal(),  
  barwidth = 40,  
  greyscale = FALSE  
)  
  
oc_russie_carte_hc_fecondite()
```

Arguments

theme	A ggplot2 theme
barwidth	Width of legend bar
greyscale	Boolean: whether to create a grey scale map

Value

A map

Examples

```
oc_russie_carte_fecondite()
oc_russie_carte_hc_fecondite()
```

oc_russie_carte_hc_religion

Carte de la religion majoritaire en 2012

Description

Religion avec le plus de pourcentage en 2012 par région.

Usage

```
oc_russie_carte_hc_religion()
```

Value

A higcharts map

Examples

```
oc_russie_carte_hc_religion()
```

`oc_russie_carte_mariages`*Taux de mariage en Russie*

Description

Une carte des mariages pour 1000 habitants par régions en 2019.

Usage

```
oc_russie_carte_mariages(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 map

Examples

```
oc_russie_carte_mariages()
```

`oc_russie_carte_mortalite`*Taux de mortalité en Russie*

Description

Une carte du taux de mortalité en 2019 au niveau régional en Russie.

Usage

```
oc_russie_carte_mortalite(theme = ggplot2::theme_minimal(), barwidth = 40)
```

Arguments

theme A ggplot2 theme
barwidth Width of legend bar

Value

A ggplot2 map

Examples

```
oc_russie_carte_mortalite()
```

`oc_russie_carte_natalite`*Taux de natalité en Russie*

Description

Une carte du taux de natalité en 2019 au niveau régional en Russie.

Usage

```
oc_russie_carte_natalite(theme = ggplot2::theme_minimal(), barwidth = 40)
```

Arguments

theme	A ggplot2 theme
barwidth	Width of legend bar

Value

A ggplot2 map

Examples

```
oc_russie_carte_natalite()
```

`oc_russie_graphs_attitude`*Attitude envers l'étranger*

Description

Graphiques avec l'évolution de l'attitude des russes envers l'étranger.

Usage

```
oc_russie_graph_attitude_us(theme = ggplot2::theme_minimal())
```

```
oc_russie_graph_attitude_eu(theme = ggplot2::theme_minimal())
```

Arguments

theme	A ggplot2 theme
-------	-----------------

Value

A ggplot2 graph

Examples

```
oc_russie_graph_attitude_us()
oc_russie_graph_attitude_eu()
```

```
oc_russie_graphs_esperance_de_vie
      Espérance de vie russe
```

Description

Graphiques qui montrent l'évolution de l'espérance de vie de la Russie.

Usage

```
oc_russie_graph_esperance_europe(theme = ggplot2::theme_minimal())
oc_russie_hc_esperance_europe()
oc_russie_graph_esperance_65_femmes(theme = ggplot2::theme_minimal())
oc_russie_graph_esperance_65_hommes(theme = ggplot2::theme_minimal())
```

Arguments

theme	A ggplot2 theme
-------	-----------------

Value

A ggplot2 graph

Examples

```
oc_russie_graph_esperance_europe()
oc_russie_hc_esperance_europe()

# Not run: needs credentials for HMD database
oc_russie_graph_esperance_65_femmes()
oc_russie_graph_esperance_65_hommes()
```

oc_russie_graphs_fertilite_europe
Indice de fécondité

Description

Graphique de l'évolution de l'indice de fécondité de la Russie comparé au reste de l'Europe.

Usage

```
oc_russie_graph_fertilite_europe(theme = ggplot2::theme_minimal())
```

```
oc_russie_hc_fertilite_europe()
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

A highcharts graph

Examples

```
oc_russie_graph_fertilite_europe()  
oc_russie_hc_fertilite_europe()
```

oc_russie_graph_demo_exa
Demogram (exa 2022)

Description

Graphique de l'évolution démographique de la Russie entre 1980 et 2020. Graphique destiné à l'examen de maturité2022.

Usage

```
oc_russie_graph_demo_exa(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_russie_graph_demo_exa()
```

```
oc_russie_graph_depense_militaire  
Dépenses militaires
```

Description

"Race plot" avec l'évolution des dépenses militaires entre 2000 et 2020.

Usage

```
oc_russie_graph_depense_militaire(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

An animated ggplot2

Examples

```
# Not run: needs ffmpeg  
oc_russie_graph_depense_militaire()
```

```
oc_russie_graph_immigration  
Immigration
```

Description

Graphique de l'immigration en Russie avec les 5 pays les plus représentés et une catégorie autres.

Usage

```
oc_russie_graph_immigration(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_russie_graph_immigration()
```

```
oc_russie_graph_mariages_et_divorces  
                                  Mariages et divorces
```

Description

Graphiques des mariages et divorces en Russie

Usage

```
oc_russie_graph_mariages_et_divorces(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_russie_graph_mariages_et_divorces()
```

`oc_russie_graph_naissances`*Naissances et avortements en Russie*

Description

Graphique des naissances et des avortements en Russie jusqu'en 2017.

Usage

```
oc_russie_graph_naissances(theme = ggplot2::theme_minimal())
```

```
oc_russie_graph_avortements(theme = ggplot2::theme_minimal())
```

```
oc_russie_graph_naissance_et_avortements(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_russie_graph_naissances()
oc_russie_graph_avortements()

# Not run: needs patchwork to assemble the plot and only
# works if the package is loaded
oc_russie_graph_naissance_et_avortements()
```

`oc_russie_graph_solde_migratoire`*Solde migratoire*

Description

Graphique du solde migratoire en Russie par décénies.

Usage

```
oc_russie_graph_solde_migratoire(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_russie_graph_solde_migratoire()
```

oc_russie_hc_ethnies *Ethnies en Russie*

Description

Graphique des 10 ethnies les plus fréquentes (hors Russes)

Usage

```
oc_russie_hc_ethnies()
```

Value

A highcharts graph

Examples

```
oc_russie_hc_ethnies()
```

oc_russie_hc_pib_vs_suisse
PIB par habitant comparé entre la Russie et la Suisse

Description

PIB par habitant comparé entre la Russie et la Suisse

Usage

```
oc_russie_hc_pib_vs_suisse()
```

Value

A highcharts graph

Examples

```
oc_russie_hc_pib_vs_suisse()
```

oc_russie_hc_religion *Religion en Russie*

Description

Religion en Russie

Usage

```
oc_russie_hc_religion()
```

Value

A highcharts graph

Source

<https://www.levada.ru/en/2023/06/02/religious-beliefs/>

Examples

```
oc_russie_hc_religion()
```

oc_suisse_carte_1970_suffrage_feminin_valais
Suffrage féminin au valais

Description

Une carte du résultat de la votation sur le suffrage féminin au canton du Valais le 12 avril 1970.

Usage

```
oc_suisse_carte_1970_suffrage_feminin_valais(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

ggplot2 map

Examples

```
oc_suisse_carte_1970_suffrage_feminin_valais()
```

oc_suisse_carte_hc_2020_religion
Religion par commune

Description

Religion par commune

Usage

```
oc_suisse_carte_hc_2020_religion()
```

Value

A highcharts map

Examples

```
oc_suisse_carte_hc_2020_religion()
```

oc_suisse_carte_suffrage_feminin
Suffrage féminin

Description

Une carte de l'introduction du suffrage féminin au niveau cantonal en Suisse.

Usage

```
oc_suisse_carte_suffrage_feminin(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

ggplot2 map

Examples

```
oc_suisse_carte_suffrage_feminin()
```

```
oc_suisse_graph_2021_immigration_italienne
```

Immigration italienne en Suisse

Description

Un graphique avec l'évolution de l'immigration italienne en Suisse de 1981 jusqu'en 2021.

Usage

```
oc_suisse_graph_2021_immigration_italienne(theme = ggplot2::theme_minimal())
```

Arguments

theme A ggplot2 theme

Value

A ggplot2 graph

Examples

```
oc_suisse_graph_2021_immigration_italienne()
```

```
oc_suisse_hc_2023_nationalite
```

Nationalité en Suisse en 2023

Description

Graphique des principales nationalité en Suisse en 2023 hors Suisses.

Usage

```
oc_suisse_hc_2023_nationalite()
```

Value

A highcharts graph

Examples

```
oc_suisse_hc_2023_nationalite()
```


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