Package: geographer (via r-universe)

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Type Package

Title Geography Vizualisations

Version 1.2.0.9000

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

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URL https://geographer.nenuial.org

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

Depends R (>= 3.5)

Imports almanac, countrycode, cshapes, dplyr, eurostat, forcats, geodata, geofacet, geojsonio, geotools, gganimate, ggeo, ggfx, gghighlight, ggplot2, ggrepel, ggtext, ggthemes, glue, highcharter, IslamicArt, leaflet, lifecycle, lubridate, mapsf, maptiles, mapview, MetBrewer, ochRe, paletteer, palettetown, pals, patchwork, prismatic, purrr, rlang, rnaturalearth, rnaturalearthhires, santoku, scales, sf, shinyjqui, stringr, swissdd, themakart, tibble, tidyr, tmap, viridis, wbstats, wesanderson, withr

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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

RemoteSha e19e3ac71767ecaf5f5fe39a880a7a599a68c2c2

Contents

`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 *NaturalEarth Bound box for planet Earth*

Description

NaturalEarth Bound box for planet Earth

Usage

```
gph_boundbox()
```

Value

A simple feature

Examples

```
gph_boundbox()
```

`gph_country_area_tree` *Crete a treemap plot of the world countries by area*

Description

Crete a treemap plot of the world countries by area

Usage

```
gph_country_area_tree()
```

Value

A highcharter plot

Examples

```
gph_country_area_tree()
```

`gph_country_population_tree`
Crete a treemap plot of the world countries by population

Description

Crete a treemap plot of the world countries by population

Usage

```
gph_country_population_tree()
```

Value

A highcharter plot

Examples

```
gph_country_population_tree()
```

gph_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_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 male 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

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 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

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("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 male 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

`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_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_chine_hc_sex_ratio` *Sex-ratio à la naissance*

Description

Sex-ratio à la naissance

Usage

```
oc_chine_hc_sex_ratio()
```

Value

A highcharter plot

Examples

```
oc_chine_hc_sex_ratio()
```

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'espérence 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 intéractive 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'espérence 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

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_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_elections_ukraine

Cartes des élections présidentielles ukrainiennes

Description

Cartes des élections présidentielles ukrainiennes en 2010, 2014 et 2019.

Usage

```
oc_russie_carte_hc_elections_ukraine_2010()

oc_russie_carte_hc_elections_ukraine_2014()

oc_russie_carte_hc_elections_ukraine_2019()
```

Value

A higcharts map

Examples

```
oc_russie_carte_hc_elections_ukraine_2010()
oc_russie_carte_hc_elections_ukraine_2014()
oc_russie_carte_hc_elections_ukraine_2019()
```

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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