

Package ‘owidR’

March 24, 2023

Type Package

Title Import Data from Our World in Data

Version 1.4.1

Author Piers York

Maintainer Piers York <piersyork@gmail.com>

Description Search and download the data used in over 3,000 Our World in Data charts.

URL <https://github.com/piersyork/owidR>, <https://ourworldindata.org/>,
<https://github.com/owid/covid-19-data/>

Imports dplyr, rvest, readr, leaflet, stringr, ggplot2, sf, magrittr,
purrr, forcats, jsonlite, htmltools, xml2, curl, ggrepel,
scales, rlang, grDevices, httr, lifecycle

Depends R (>= 3.5.0)

License MIT + file LICENSE

Encoding UTF-8

Language en-GB

RoxygenNote 7.2.3

Suggests testthat (>= 3.0.0), utils, showtext, sysfonts, knitr,
rmarkdown, plm, texreg

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2023-03-24 18:10:02 UTC

R topics documented:

owid	2
owid_covid	3
owid_search	3

owid_source	4
pal_owid	4
scale_fill_owid	5
theme_owid	5
view_chart	6
world_map_data	6
Index	7

owid	<i>Get data from Our World in Data</i>
------	--

Description

Get a dataset used in an OWID chart.

Usage

```
owid(chart_id = NULL, rename = NULL, tidy.date = TRUE, ...)
```

Arguments

chart_id	The chart_id as returned by owid_search
rename	Rename the value column. Currently only works if there is just one value column.
tidy.date	If TRUE then a year column that should be a date column will automatically be detected and transformed. If FALSE then the Year column will be kept as is. Defaults to TRUE.
...	Not to be used.

Value

A tibble of an owid dataset with the added class 'owid'.

Examples

```
owid_search("emissions")
emissions <- owid("per-capita-ghg-emissions")
```

`owid_covid`*Get the Our World in Data covid-19 dataset*

Description

Get the Our World in Data covid-19 dataset

Usage

```
owid_covid()
```

Value

A dataframe with multiple variables on the covid-19 pandemic.

`owid_search`*Search the data sources used in OWID charts*

Description

Search the data sources used in OWID charts

Usage

```
owid_search(term)
```

Arguments

`term` A search term

Value

A matrix of chart titles and chart ids

Examples

```
# returns the titles and chart_ids of all charts containing the word 'emissions'  
owid_search("emissions")
```

`owid_source`*Get source information on an OWID dataset*

Description

A function to get source information from an OWID dataset and display it in the R console.

Usage

```
owid_source(data)
```

Arguments

`data` A tibble returned from `owid()`.

Value

Displays the information in an easy to read format in the R console, also returns a list of data information.

Examples

```
rights <- owid("human-rights-scores")
owid_source(rights)
```

`pal_owid`*Colour palettes based on the colours used by Our World in Data*

Description

Colour palettes based on the colours used by Our World in Data

Usage

```
pal_owid(alpha)
```

Arguments

`alpha` Transparency level, a real number in (0, 1).

Value

A ggproto object to be used in the context of `ggplot2`.

scale_fill_owid	<i>Our World in Data Colour Scales</i>
-----------------	--

Description

[Deprecated]

These functions have been deprecated to simplify the owidR package, you are encouraged to use ggplot2 instead: <https://ggplot2-book.org>

Usage

```
scale_fill_owid(alpha = 1, ...)
```

```
scale_colour_owid(alpha = 1, ...)
```

```
scale_color_owid(alpha = 1, ...)
```

Arguments

alpha	Transparency level, a real number in (0, 1).
...	additional parameters for ggplot2::discrete_scale()

Value

A ggproto object to be used in the context of ggplot2.

theme_owid	<i>ggplot2 Theme in the Style of Our World in Data</i>
------------	--

Description

[Deprecated]

This function was deprecated to simplify the owidR package, you are encouraged to instead learn ggplot2: <https://ggplot2-book.org>

Usage

```
theme_owid(import_fonts = TRUE)
```

Arguments

import_fonts	Import the fonts used by Our World in Data
--------------	--

Value

A ggplot2 theme to be added to a ggplot2 plot.

view_chart	<i>View an OWID chart in your browser</i>
------------	---

Description

A function that opens the original OWID chart in your browser.

Usage

```
view_chart(x)
```

Arguments

x Either a tibble returned by `owid()`, or a `chart_id`.

Value

Opens the chart in your browser.

Examples

```
firearm_suicide <- owid("suicide-rate-by-firearm")
view_chart(firearm_suicide)
```

world_map_data	<i>Get world map data.</i>
----------------	----------------------------

Description

Function that returns a simple feature collection of class `sf`. Map data is from naturalearthdata.com. Designed to be used internally.

Usage

```
world_map_data()
```

Value

An object of class `sf`.

Index

`ggplot2::discrete_scale()`, 5

`owid`, 2

`owid_covid`, 3

`owid_search`, 3

`owid_source`, 4

`pal_owid`, 4

`scale_color_owid(scale_fill_owid)`, 5

`scale_colour_owid(scale_fill_owid)`, 5

`scale_fill_owid`, 5

`theme_owid`, 5

`view_chart`, 6

`world_map_data`, 6