

Package ‘rgho’

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Title Access WHO Global Health Observatory Data from R

Version 2.0.1

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Description Access WHO Global Health Observatory (<<https://www.who.int/data/gho/>>) data from R via the Athena web service (<<https://apps.who.int/gho/data/node.resources.api/>>), an application program interface providing a simple query interface to the World Health Organization's data and statistics content.

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LazyData TRUE

Depends R (>= 3.2.2)

Imports curl, dplyr, httr, jsonlite, lazyeval, magrittr, memoise, readr, tibble, tidyr, rlang

Suggests testthat, knitr, rmarkdown

VignetteBuilder knitr

RoxygenNote 7.1.1

URL <https://github.com/kzarca/rgho>

BugReports <https://github.com/pierucci/rgho/issues>

NeedsCompilation no

Repository CRAN

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R topics documented:

display_attribute_values	2
filter_gho	2
get_gho_data	3

get_gho_dimensions	4
rgho	5
search_gho	5

Index 7

display_attribute_values

Display Attribute Informations

Description

Given a GHO object and an attribute name, return the distinct values taken by the attribute.

Usage

display_attribute_values(x, attribute)

display_attributes(x)

Arguments

x	A GHO object.
attribute	Name of an attribute.

Value

A character vector of the distinct values taken by the attribute.

filter_gho

Filter a GHO Object on Attribute Values

Description

Filter a GHO Object on Attribute Values

Usage

filter_gho(x, ...)

Arguments

x	gho object to filter.
...	Logical predicates. Multiple conditions are combined with &.

Value

A gho object.

get_gho_data	Returns GHO Data
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Description

Given a dimension and a code, returns the corresponding GHO data.

Usage

```
get_gho_data(code, dimension = "GHO", filter = NULL, ...)
```

Arguments

code	A GHO code.
dimension	A GHO dimension.
filter	A named list of filtering parameters (see details).
...	Additional query parameters (see details).

Details

Filtering parameters are given as a named list of the form `list(COUNTRY = "FRA", ...)`.

Query parameters follow the specification described on the WHO website <https://apps.who.int/gho/data/node.resources.api>.

Value

A `data_frame`.

Examples

```
## Not run:
result <- get_gho_data(
  dimension = "GHO",
  code = "MDG_0000000001"
)
print(result, width = Inf)
```

```
result <- get_gho_data(
  dimension = "GHO",
  code = "MDG_0000000001",
  filter = list(
    REGION = "EUR",
    YEAR = "2015"
  )
)
print(result, width = Inf)
```

```
## End(Not run)
```

```
get_gho_dimensions      Returns GHO Dimensions/Codes
```

Description

Returns GHO dimensions or, for a given dimension, codes.

Usage

```
get_gho_dimensions()  
  
get_gho_codes(dimension = "GHO")  
  
## S3 method for class 'gho'  
print(x, n = options()$rgho.n, ...)
```

Arguments

dimension	A GHO dimension.
x	Object to print.
n	Number of lines to print (if missing will print the option rgho.n rows).
...	Extra arguments passed to print.

Value

GHO dimensions/codes.

Examples

```
get_gho_dimensions()  
  
get_gho_codes(dimension = "GHO")
```

`rg`*rg: Access WHO Global Health Observatory Data From R*

Description

Access WHO Global Health Observatory data from R via the Athena web service, an application program interface providing a simple query interface to the World Health Organization's data and statistics content.

Package Options

- `rg.verbose` Should informations about the request be displayed? Defaults to FALSE.
- `rg.retry` How many times the request should be retried? Defaults to 5.
- `rg.memotime` For how long should the results of a request be memoised, in seconds? Defaults to 3600.

`search_gho`*Search Codes or Dimensions Labels*

Description

Search Codes or Dimensions Labels

Usage

```
search_gho(gho, x)
```

```
search_dimensions(x)
```

```
search_codes(x, dimension = "GHO")
```

Arguments

<code>gho</code>	An object from get_gho_dimensions or get_gho_codes .
<code>x</code>	A character string to find in GHO labels.
<code>dimension</code>	A GHO dimension where codes will be searched.

Value

A vector of dimensions or codes whose labels mach the search string. Labels are given as as a label attribute.

Examples

```
search_codes("neonatal", dimension = "GHO")  
  
result <- get_gho_codes(dimension = "REGION")  
search_gho(result, "asia")
```

Index

display_attribute_values, 2
display_attributes
 (display_attribute_values), 2

filter_gho, 2

get_gho_codes, 5
get_gho_codes (get_gho_dimensions), 4
get_gho_data, 3
get_gho_dimensions, 4, 5

man-gho (get_gho_dimensions), 4

print.gho (get_gho_dimensions), 4

rgho, 5

search_codes (search_gho), 5
search_dimensions (search_gho), 5
search_gho, 5