

Package ‘rgho’

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Title Access WHO Global Health Observatory Data from R

Version 1.0.1

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Description Access WHO Global Health Observatory
(<<http://www.who.int/gho/>>)
data from R via the Athena web service
(<<http://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.

License GPL (>= 3)

LazyData TRUE

Depends R (>= 3.2.2)

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

Suggests testthat, knitr, rmarkdown

VignetteBuilder knitr

RoxygenNote 5.0.1

URL <https://github.com/pierucci/rgho>, <https://pierucci.org>

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

NeedsCompilation no

Repository CRAN

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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 <http://apps.who.int/gho/data/node.resources.api>.

Value

A `data_frame`.

Examples

```
result <- get_gho_data(  
  dimension = "GHO",  
  code = "MDG_000000001"  
)  
print(result, width = Inf)
```

```
result <- get_gho_data(  
  dimension = "GHO",  
  code = "MDG_000000001",  
  filter = list(  
    REGION = "EUR",  
    YEAR = "2015"  
  )  
)  
print(result, width = Inf)
```

`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

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

Value

GHO dimensions/codes.

Examples

```
get_gho_dimensions()

get_gho_codes(dimension = "GHO")
```

`rgho` *rgho: 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

- `rgho.verbose` Should informations about the request be diplayed? Defaults to FALSE.
- `rgho.retry` How many times the request should be retried? Defaults to 5.
- `rgho.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")
```

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