

Package ‘rgho’

October 11, 2016

Title Access WHO Global Health Observatory Data from R

Version 0.2.3

Author Antoine Filipovic-Pierucci [aut,cre]

Maintainer Antoine Filipovic-Pierucci <pierucci@gmail.com>

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.

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.github.io>

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

NeedsCompilation no

Repository CRAN

Date/Publication 2016-10-11 00:44:29

R topics documented:

filter_attrs	2
get_gho_data_	3
get_gho_dimensions	4
rgho	4
search_gho	5
values_attrs	5

filter_attrs	Returns GHO Codes for a Given Dimension
--------------	---

Description

Returns GHO Codes for a Given Dimension

Usage

```
filter_attrs(x, ...)  
get_gho_codes(dimension = "GHO")
```

Arguments

x	For filter, gho object to filter.
...	Logical predicates. Multiple conditions are combined with &.
dimension	A GHO dimension.

Value

GHO codes as a character vector, labels as a label attribute and other attributes in a attrs attribute, as a data_frame.

Examples

```
get_gho_codes(dimension = "GHO")  
  
results <- get_gho_codes(dimension = "COUNTRY")  
filter_attrs(  
  results,  
  WHO_REGION_CODE == "EUR"  
)
```

get_gho_data_	Returns GHO Data
---------------	------------------

Description

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

Usage

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

```
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)
```

<code>get_gho_dimensions</code>	<i>Returns Available GHO Dimensions</i>
---------------------------------	---

Description

Returns Available GHO Dimensions

Usage

```
get_gho_dimensions()
```

Value

GHO dimensions as a character vector, and labels as a label attribute.

Examples

```
get_gho_dimensions()
```

<code>rgho</code>	<i>rgho: Access WHO Global Health Observatory Data From R</i>
-------------------	---

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	<i>Search Codes or Dimensions Labels</i>
------------	--

Description

Search Codes or Dimensions Labels

Usage

```
search_gho(gho, x)
search_dimensions(x)
search_codes(x, dimension = "GHO")
```

Arguments

gho	An object from get_gho_dimensions or get_gho_codes .
x	A character string to find in GHO labels.
dimension	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")
```

values_attrs	<i>Values Taken by an Attribute</i>
--------------	-------------------------------------

Description

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

Usage

```
values_attrs(x, attribute)
```

Arguments

x	A GHO object.
attribute	Name of an attribute.

Value

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

Index

`filter_attrs`, 2

`get_gho_codes`, 5

`get_gho_codes (filter_attrs)`, 2

`get_gho_data (get_gho_data_)`, 3

`get_gho_data_`, 3

`get_gho_dimensions`, 4, 5

`rgho`, 4

`rgho-package (rgho)`, 4

`search_codes (search_gho)`, 5

`search_dimensions (search_gho)`, 5

`search_gho`, 5

`values_attrs`, 5