Package ‘Knoema’

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Title Interface to the Knoema API
Version 0.1.19
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Description Using this package, users can access to the largest collection of public data and statistics on the Internet featuring about 2.5 billion time series from thousands of sources collected in 'Knoema' repository and use rich R calculations in order to analyze the data. Because data in 'Knoema' is time series data, 'Knoema' function offers data in a number of formats usable in R such as 'ts', 'xts' or 'zoo'. For more information about 'Knoema' API go to <https://knoema.com/dev/docs>.

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Encoding UTF-8
Imports httr, jsonlite, base64enc, digest, lubridate, xts, zoo, methods
Depends R (>= 3.3.0)
RoxygenNote 7.1.2
Suggests testthat
URL https://github.com/Knoema/knoema-r-driver
NeedsCompilation no
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Repository CRAN
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R topics documented:

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Description
knoema package! This package works with datasets from knoema.com

Usage
Knoema(
  dataset.id = NULL,
  selection = NULL,
  mnemonics = NULL,
  type = "ts",
  host = "",
  client.id = "",
  client.secret = ""
)

Arguments
  dataset.id   is Dataset’s ID specified as a string
  selection    is list where all the dimensions of the dataset are listed and a selection from them
  mnemonics    are mnemonics values specified as a string separated by a semicolon
  type         is optional. By default equals "ts". Other supported variants are "xts","zoo","DataFrame","MetaDataFrame","DataTable","MetaDataTable"
  host         is optional. You can use "knoema.com" or other supported knoema’s portals
  client.id    is id from knoema application
  client.secret is secret client code from knoema application By default uses public user for knoema.com

By default the package allows you to work only with public datasets from the site knoema.com. If you want to work with private datasets or from other hosts, you need to set optional parameters host, client.id and client.secret
You can get parameters client.id and client.secret after registering on the site knoema.com, in the section "My profile - Apps - create new" (or use existing applications)

Value
the list of timeseries in the selected format from the dataset

Examples
Knoema("IMFWEO2017Oct", list(country = "512;914", subject = "NGDP_RPCH"),
         client.id = "FzOYqDg",
         client.secret="SPrvmY8eGRcGA")
Knoema("IMFWEO2017Oct", list(country = "512;914", subject = "NGDP_RPCH", frequency = "A"),
         type = "xts",
         client.id = "FzOYqDg",
         client.secret="SPrvmY8eGRcGA")
client.id = "FzOYqDg",
client.secret="SPrvmY8eGRcGA")
Knoema("IMFWEO2017Oct", list(country = "512;914", subject = "NGDP_RPCH", timerange = "2010-2015"),
client.id = "FzOYqDg",
client.secret="SPrvmY8eGRcGA")
Knoema(mnemonics="512NGDP_A_in_test_dataset",
client.id = "FzOYqDg",
client.secret="SPrvmY8eGRcGA")
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