Package ‘Quandl’

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Title Quandl Data Connection
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Description This package interacts directly with the Quandl API to offer data in a number of formats usable in R, as well as the ability to upload and search.
Imports RCurl, RJSONIO, zoo
Suggests testthat
Depends R (>= 2.15.0), xts
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Quandl

metaData

Retrieve metadata from a Quandl series

Description

Retrieve metadata from a Quandl series

Usage

metaData(x)

Arguments

x

A Quandl time series object with attached meta data.

Value

Returns a list of meta data about the series.

See Also

Quandl

Examples

## Not run:
metaData(ts)

## End(Not run)

Quandl

Pulls Data from the Quandl API

Description

An authentication token is needed for access to the Quandl API multiple times. Set your access_token with Quandl.auth function.

Usage

Quandl(code, type = c("raw", "ts", "zoo", "xts"), start_date, end_date, transformation = c("", "diff", "rdiff", "normalize", "cumul", "rdiff_from"), collapse = c("", "daily", "weekly", "monthly", "quarterly", "annual"), sort = c("desc", "asc"), meta = FALSE, authcode = Quandl.auth(), ...)


Arguments

- **code**: Dataset code on Quandl specified as a string or an array of strings.
- **type**: Type of data returned specified as string. Can be 'raw', 'ts', 'zoo' or 'xts'.
- **start_date**: Use to truncate data by start date in 'yyyy-mm-dd' format.
- **end_date**: Use to truncate data by end date in 'yyyy-mm-dd' format.
- **transformation**: Apply Quandl API data transformations.
- **collapse**: Collapse frequency of Data.
- **sort**: Select if data is given to R in ascending or descending formats. Helpful for the rows parameter.
- **meta**: Returns meta data in list format as well as data.
- **authcode**: Authentication Token for extended API access by default set by `quandlNauth`.
- **...**: Additional named values that are interpreted as api parameters.

Details

For instructions on finding your authentication token go to www.quandl.com/API

Value

Depending on the type the class is either `data.frame`, `time series`, `xts`, `zoo`.

Author(s)

Raymond McTaggart

References

This R package uses the Quandl API. For more information go to http://www.quandl.com/api. For more help on the package itself go to http://www.quandl.com/help/r.

See Also

- `quandlNauth`

Examples

```r
## Not run:
quandldata = Quandl("NSE/OIIL", collapse="monthly", start_date="2013-01-01", type="ts")
plot(quandldata[,1])
## End(Not run)
```
quandl.api Pulls Data from the Quandl API

Description
An authentication token is needed for access to the Quandl API multiple times. Set your access_token with Quandl.auth function.

Usage
quandl.api(version = "v1", path, http = c("GET", "PUT", "POST", "DELETE"),
...)

Arguments
version Set to the version of the Quandl API you want to access.
path Path to api resource.
http Type of http request sent.
... Named values that are interpreted as api parameters.

Details
For instructions on finding your authentication token go to www.quandl.com/API

Value
Website response.

Author(s)
Raymond McTaggart

References
This R package uses the Quandl API. For more information go to http://www.quandl.com/api. For more help on the package itself go to http://www.quandl.com/help/r.

See Also
Quandl.auth

Examples
## Not run:
quandl.data = quandl.api(version="v1", path="datasets/NSE/OIL", http="GET")
plot(quandl.data[,1])

## End(Not run)
Quandl.auth

Query or set Quandl API token

Description
Query or set Quandl API token

Usage
Quandl.auth(auth_token)

Arguments
auth_token
Optionally passed parameter to set Quandl auth_token.

Value
Returns invisibly the currently set auth_token.

See Also
Quandl

Examples
## Not run:
Quandl.auth('foobar')

## End(Not run)

Quandl.curlopts
Set curl options on all Quandl api calls. e.g. for use with a proxy

Description
Set curl options on all Quandl api calls. e.g. for use with a proxy

Usage
Quandl.curlopts(curl)

Arguments
curl
A curl handle object
Quandl.push

Value

Returns invisibly the currently set curl

See Also

Quandl

Examples

## Not run:
quandl.curl0pts(getCurlHandle())

## End(Not run)

---

Quandl.push

THIS FUNCTION IS CURRENTLY DISABLED. SEE http://www.quandl.com/help/toolbelt TO UPLOAD DATA

Description

An authentication token is needed to upload data. Set your access_token with Quandl.auth function.

Usage

Quandl.push(code, update = FALSE, authcode = Quandl.auth(), ...)

Arguments

code          Dataset code you would like to create or update, specified as string.
update        Defaults to false, when true overwrites existing datasets on Quandl.
authcode      Authentication Token to identify user by default set by Quandl.auth.
...           Additional named values that are interpreted as api parameters.

Details

For instructions on finding your authentication token go to www.quandl.com/API.

Value

Returns a string url to the newly loaded dataset.

Author(s)

Raymond McTaggart
Search the Quandl database

Description

An authentication token is needed for access to the Quandl API multiple times. Set your access_token with Quandl.auth function.

Usage

Quandl.search(query, page = 1, source = NULL, silent = FALSE, authcode = Quandl.auth())

Arguments

query  Search terms
page   Specifies which page of results to return.
source Specifies a specific source to search within.
silent Prints the first few results when FALSE.
authcode Authentication Token for extended API access by default set by Quandl.auth.

Details

For instructions on finding your authentication token go to www.quandl.com/API

Value

A list of the search results.
Author(s)
Raymond McTaggart

References
This R package uses the Quandl API. For more information go to http://www.quandl.com/api. For more help on the package itself go to http://www.quandl.com/help/r.

See Also
quandl.auth

Examples
```r
## Not run:
search.results <- Quandl.search("oil")

## End(Not run)
```
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