Package ‘Quandl’

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Title API Wrapper for Quandl.com
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Description Functions for interacting directly with the Quandl API to offer data
in a number of formats usable in R, as well as the ability to search.
Imports httr, zoo
Suggests testthat, roxygen2, timeSeries
Depends R (>= 2.15.0), xts
License MIT + file LICENSE
URL https://github.com/quandl/R-package
BugReports https://github.com/quandl/R-package/issues
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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**

```r
## Not run:
metaData(ts)

## End(Not run)
```

---

**Quandl**  
*Pulls Data from the Quandl Dataset endpoint and formats*

**Description**

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

**Usage**

```r
Quandl(code, type = c("raw", "ts", "zoo", "xts", "timeSeries"), 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(), ...)```

---
Quandl

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', 'xts' or 'timeSeries'.

start_date  
Use to truncate data by start date in 'yyyymmdd' format.

end_date  
Use to truncate data by end date in 'yyyymmdd' 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 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

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

Author(s)

Raymond McTaggart

References

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

See Also

Quandl.auth

Examples

## Not run:
quandldata = Quandl("NSE/OIL", 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

```r
quandl.api(version = "v1", path, http = c("GET", "PUT", "POST", "DELETE"),
  postdata = NULL, ...)
```

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.
- `postdata` A character or raw vector that is sent in a body.
- `...` Named values that are interpreted as api parameters.

Details

For instructions on finding your authentication token go to https://www.quandl.com/account

Value

Website response.

Author(s)

Raymond McTaggart

References

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

See Also

Quandl.auth
### Quandl.auth

**Description**

Query or set Quandl API token

**Usage**

```r
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

```r
## Not run:
Quandl::auth('foobartoken')
## End(Not run)
```
Quandl.dataset.get  
**Pulls Data from the Quandl Dataset endpoint**

**Description**

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

**Usage**

```
Quandl.dataset.get(code, params)
```

**Arguments**

- **code**  
  Dataset code on Quandl specified as a string or an array of strings.
- **params**  
  A list of parameters to be passed to the Quandl api.

**Details**

For instructions on finding your authentication token go to https://www.quandl.com/account

**Value**

Returns a data.frame of the requested data

**Author(s)**

Raymond McTaggart

**References**

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

**See Also**

`Quandl.auth`

**Examples**

```r
## not run:
quandldata = Quandl.dataset.get("NSE/OIL", list(rows=5))
plot(quandldata[,1])
## End(Not run)
```
Quandl.search

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 https://www.quandl.com/account

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/help/api. For more help on the package itself go to http://www.quandl.com/help/r.

See Also

Quandl.auth

Examples

## not run:
search.results <- Quandl.search("oil")

## End(Not run)
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