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, downloading a zip with all data from a Quandl database, and the ability to search. This R package uses the Quandl API. For more information go to <https://www.quandl.com/docs/api>. For more help on the package itself go to <https://www.quandl.com/help/r>.
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Retrieve metadata from a Quandl series or search results

Description
Retrieve metadata from a Quandl series or search results

Usage

```
metadata(x)
```

Arguments

- `x` A Quandl time series object or search results with attached metadata.

Value

Returns a list of metadata about the series or search results.

See Also

- `Quandl`, `Quandl.search`

Examples

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

## End(Not run)```
Quandl

Retrieves Data from the Quandl Dataset endpoint and formats

Description
Retrieves Data from the Quandl Dataset endpoint and formats

Usage
Quandl(code, type = c("raw", "ts", "zoo", "xts", "timeSeries"),
transform = c("", "diff", "rdiff", "normalize", "cumul", "rdiff_from"),
collapse = c("", "daily", "weekly", "monthly", "quarterly", "annual"),
order = c("desc", "asc"), meta = FALSE, force_irregular = FALSE,
...)

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'.
transform
Apply Quandl API data transformations.
collapse
Collapse frequency of Data.
order
Select if data is given to R in ascending or descending formats. Helpful for the rows parameter.
meta
Adds meta data as an attribute to the returned Data.
force_irregular
When set to TRUE, forces the index of the Data to be of date format yyyy-mm-dd
...
Additional named values that are interpreted as Quandl API parameters. Please see https://www.quandl.com/docs/api#retrieve-data-and-metadata for a full list of parameters.

Details
Set your api_key with Quandl.api_key function. For instructions on finding your api key go to https://www.quandl.com/account/api.

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

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

Quandl.api_key

Examples

```r
## Not run:
quandlapikey = Quandl("NSE/OIL", collapse="monthly", start_date="2013-01-01", type="ts")
plot(quandlapikey[1,])
```

---

`quandl.api`  
**Executes Quandl API calls**

Description

Executes Quandl API calls

Usage

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

Arguments

- `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 Quandl API parameters. Please see [https://www.quandl.com/docs/api](https://www.quandl.com/docs/api).

Details

Set your `api_key` with `Quandl.api_key` function. For instructions on finding your `api` key go to [https://www.quandl.com/account/api](https://www.quandl.com/account/api)

Value

Quandl API response.

See Also

Quandl.api_key
Quandl.api_key

**Examples**

```r
## Not run:
quandldata = quandl.api(path="datasets/NSE/OIL", http="GET")
plot(quandldata[,1])

## End(Not run)
```

---

### Description

Query or set Quandl API key

### Usage

`Quandl.api_key(api_key)`

### Arguments

- **api_key**
  
  Optionally passed parameter to set Quandl api_key.

### Value

Returns invisibly the currently set api_key.

### Examples

```r
## Not run:
Quandl.api_key('foobar')

## End(Not run)
```

---

Quandl.auth

**Query or set Quandl API token**

---

### Description

Deprecated. Alias of **Quandl.api_key**

### Usage

`Quandl.auth(auth_token)`

### Arguments

- **auth_token**
  
  Optionally passed parameter to set Quandl auth_token.
Quandl.database.bulk_download_to_file

Value

Returns invisibly the currently set auth_token.

See Also

Quandl

Examples

```r
## Not run:
Quandl.auth('foobar')

## End(Not run)
```

Quandl.database.bulk_download_to_file

Downloads a zip with all data from a Quandl database

Description

Downloads a zip with all data from a Quandl database

Usage

```r
Quandl.database.bulk_download_to_file(database_code, filename, ...)
```

Arguments

- `database_code` Database code on Quandl specified as a string.
- `filename` Filename (including path) of file to download.
- `...` Additional named values that are interpreted as Quandl API parameters. Please see https://www.quandl.com/docs/api#entire-database for a full list of parameters.

Details

Set your api_key with Quandl.api_key function. For instructions on finding your api key go to https://www.quandl.com/account/api

Value

The filename of the downloaded file.

See Also

Quandl.api_key
Quandl.database.bulk_download_url

Examples

```r
## Not run:
Quandl.database.bulk_download_to_file("NSE", "/NSE.zip")

## End(Not run)
```

Quandl.database.bulk_download_url

*Returns the bulk download url*

Description

Returns the bulk download url

Usage

Quandl.database.bulk_download_url(database_code, ...)

Arguments

database_code: Database code on Quandl specified as a string.

...: Additional named values that are interpreted as Quandl API parameters. Please see [https://www.quandl.com/docs/api#entire-database](https://www.quandl.com/docs/api#entire-database) for a full list of parameters.

Details

Set your api_key with Quandl.api_key function. For instructions on finding your api key go to [https://www.quandl.com/account/api](https://www.quandl.com/account/api)

Value

Returns the download url.

See Also

Quandl.api_key

Examples

```r
## Not run:
url = Quandl.database.download_url("NSE", download_type="partial")

## End(Not run)
```
Quandl.dataset.get

Retrieves Data from the Quandl Dataset endpoint

Description

Retrieves Data from the Quandl Dataset endpoint

Usage

Quandl.dataset.get(code, params)

Arguments

code          Dataset code on Quandl specified as a string.
params        A list of parameters to be passed to the Quandl API. Please see https://www.quandl.com/docs/api#retrieve-data-and-metadata for a full list of parameters.

Details

Set your api_key with Quandl.api_key function. For instructions on finding your api key go to https://www.quandl.com/account/api

Value

Returns a data.frame of the requested data

See Also

Quandl.api_key, Quandl

Examples

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

## End(Not run)
```
Quandl.datatable

Retrieves Data from the Quandl Datatable endpoint

Description

Retrieves Data from the Quandl Datatable endpoint

Usage

Quandl.datatable(datatable_code, paginate = FALSE, ...)

Arguments

datatable_code  Datatable code on Quandl specified as a string.
paginate        When set to TRUE, fetches up to 1,000,000 rows of data
...             Additional named values that are interpreted as Quandl API parameters.

Details

Set your api_key with Quandl.api_key function. For instructions on finding your api key go to https://www.quandl.com/account/api

Value

Returns a data.frame.

See Also

Quandl.api_key

Examples

## Not run:
Quandl.datatable('ZACKS/FC', paginate=TRUE)

## End(Not run)
Quandl.search

Search the Quandl database

Description
Search the Quandl database

Usage
Quandl.search(query, silent = FALSE, per_page = 10, ...)

Arguments
- query: Search terms
- silent: Prints the results when FALSE.
- per_page: Number of results returned per page.
- ...: Additional named values that are interpreted as Quandl API parameters.

Details
Set your api_key with Quandl.api_key function. For instructions on finding your api key go to https://www.quandl.com/account/api
For instructions on finding your authentication token go to https://www.quandl.com/account/api

Value
Search results returned as a data.frame.

See Also
Quandl.api_key

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

## End(Not run)
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