Package ‘Riex’

October 12, 2022

Type Package
Title IEX Stocks and Market Data
Version 1.0.2
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URL https://github.com/TheEliteAnalyst/Riex
BugReports https://github.com/TheEliteAnalyst/Riex/issues
Description Retrieves efficiently and reliably Investors Exchange (‘IEX’) stock and market data using ‘IEX Cloud API’. The platform is offered by Investors Exchange Group (IEX Group). Main goal is to leverage ‘R’ capabilities including existing packages to effectively provide financial and statistical analysis as well as visualization in support of fact-based decisions. In addition, continuously improve and enhance ‘Riex’ by applying best practices and being in tune with users’ feedback and requirements. Please, make sure to review and acknowledge Investors Exchange Group (IEX Group) terms and conditions before using ‘Riex’ (<https://iexcloud.io/terms/>).
Depends R (>= 3.5.0), xts, zoo, TTR, tidyr, tibble
License GPL-2
LazyData true
Collate ’IEX_Market_Data.R’
Encoding UTF-8
RoxygenNote 7.1.1
Imports dplyr, ggplot2 (>= 3.1.0), httr (>= 1.4.0), purrr (>= 0.2.5), rjson (>= 0.2.20), stringr (>= 1.3.1), urltools (>= 1.7.1), quantmod (>= 0.4-14)
Suggests knitr, rmarkdown, testthat
VignetteBuilder knitr
NeedsCompilation no
Repository CRAN
Date/Publication 2021-04-24 12:10:10 UTC
R topics documented:

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crypto

*Returns quote for Crypto Currencies supported by the IEX Cloud API.*

Description

For more details, visit: [https://iexcloud.io/docs/api/#crypto](https://iexcloud.io/docs/api/#crypto)

Usage

```r
crypto(x, iex_sk)
```

Arguments

- `x` A character vector that can include one or multiple Tickers / Stocks Symbols
- `iex_sk` is a character vector that include IEX Cloud API Secret Token

Value

Data frame that include Crypto currency financial details To retrieve list of 18 Crypto Currency Symbols available in IEX as of April 2019.

Author(s)

Myriam Ibrahim
crypto_symbols

See Also

Investors Exchange ‘IEX’ developer guide https://iexcloud.io/docs/api/
Investors Exchange Group (IEX Group) offers flexible and salable pricing. https://iexcloud.io/pricing/
View Investors Exchange Group (IEX Group) terms of use and subscription levels. https://iexcloud.io/terms/
Package ‘iexcloudR’ https://github.com/schardtbc/iexcloudR

Examples

```r
## Not run:
data(package = "Riex")
CryptoSymbols <- crypto_symbols

## End(Not run)
```

<table>
<thead>
<tr>
<th>crypto_symbols</th>
<th>‘IEX’ Crypto currency symbols</th>
</tr>
</thead>
</table>

Description

A List of 18 Crypto Currency Symbols available via IEX API v1 as of April 26, 2019. List subject to update. Please visit IEX Site for most current list https://iexcloud.io/docs/api/#reference-data IEX API version 1 will sunset non-Investors Exchange (IEX) data on June 1, 2019.

Usage

crypto_symbols

Format

A data frame with 18 rows and 1 variable:

symbol symbol, in ticker format ...

Source

https://iexcloud.io/docs/api/#cryptocurrency-symbols
financials 'IEX' financials

Description
Returns income statement, balance sheet, and cash flow data from the most recent reported quarter. For more details, visit: https://iexcloud.io/docs/api/#financials

Usage
iex.cash.flow(x, iex_sk)
iex.balance.sheet(x, iex_sk)
iex.income(x, iex_sk)

Arguments
x A character vector that can include one or multiple Tickers / Stocks Symbols
iex_sk is a character vector that include IEX Cloud API Secret Token

Value
Data frame with stock(s) financial data with option of selecting quarterly or annually

Author(s)
Myriam Ibrahim

See Also
Investors Exchange ‘IEX‘ developer guide https://iexcloud.io/docs/api/
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Package ‘iexcloudR' https://github.com/schardtbc/iexcloudR

Examples
## Not run:
iex.cash.flow("TSLA", "sk")
## End(Not run)
Description

For more details, visit: https://iexcloud.io/docs/api/#account

Usage

iex.account(iex_sk)
iex.usage(iex_sk)
iex.key.usage(iex_sk)
iex.daily.usage(iex_sk)
iex.monthly.usage(iex_sk)

Arguments

iex_sk

is a character vector that include IEX Cloud API Secret Token

Value

Most Active Stocks in IEX during the trading day

Author(s)

Myriam Ibrahim

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Package ‘iexcloudR’ https://github.com/schardtbc/iexcloudR
### iex.book

Retrieves quote, bids, asks, trades and system event for each Stock Symbol

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**Description**

For more details, visit: [https://iexcloud.io/docs/api/#book](https://iexcloud.io/docs/api/#book)

**Usage**

```r
iex.book(x, iex_sk)
```

**Arguments**

- `x` A character vector that can include one or multiple Tickers / Stocks Symbols
- `iex_sk` is a character vector that include IEX Cloud API Secret Token

**Details**

for function like `book()`, only one value will be accepted per request

**Value**

Data frame with stock(s) quote data

**Author(s)**

Myriam Ibrahim

**See Also**

- Investors Exchange ‘IEX‘ developer guide [https://iexcloud.io/docs/api/](https://iexcloud.io/docs/api/)
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- Package `iexcloudR` [https://github.com/schardtbc/iexcloudR](https://github.com/schardtbc/iexcloudR)

**Examples**

```r
## Not run:
iex.book("TSLA", "sk")
## End(Not run)
```
iex.chart

Returns adjusted and unadjusted historical data for up to 15 years. Useful for building charts.

Description

For more details, visit: https://iexcloud.io/docs/api/#historical-prices

Usage

iex.chart(x, r, iex_sk)

Arguments

x  A character vector that can include one or multiple Tickers / Stocks Symbols
r  An alpha numeric object that represents the time range selected.
iex_sk is a character vector that include IEX Cloud API Secret Token

Value

Data frame that includes stock (s) financial data

Note

r takes only of of the values accepted IN API request. "5y", "2y", "1y", "ytd", "6m", "3m", "1m", "1d"

Author(s)

Myriam Ibrahim

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Package ‘iexcloudR’ https://github.com/schardtbc/iexcloudR

Examples

## Not run:
  iex.chart("TSLA", "1y", "sk")

## End(Not run)
iex.company

Returns company’s key info. For example: Industry, CEO, website, number of employees, ..etc.

Description

For more details, visit: https://iexcloud.io/docs/api/#company

Usage

iex.company(x = "TSLA", iex_sk)

Arguments

x A character vector that can include one or multiple Tickers / Stocks Symbols
iex_sk is a character vector that include IEX Cloud API Secret Token

Value

data frame with company summary data

Author(s)

Myriam Ibrahim

See Also

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Package ‘iexcloudR’ https://github.com/schardtbc/iexcloudR

Examples

## Not run:
iex.company("TSLA", "sk")

## End(Not run)
iex.earnings  

Earnings data for a given company including the actual EPS, consensus, and fiscal period. Earnings are available quarterly (last 4 quarters)

Description

For more details, visit: https://iexcloud.io/docs/api/#earnings

Usage

iex.earnings(x, iex_sk)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>x</td>
<td>A character vector that can include one or multiple Tickers / Stocks Symbols</td>
</tr>
<tr>
<td>iex_sk</td>
<td>is a character vector that include IEX Cloud API Secret Token</td>
</tr>
</tbody>
</table>

Value

Data frame that include earnings

Author(s)

Myriam Ibrahim

See Also

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Package ‘iexcloudR’ https://github.com/schardtbc/iexcloudR

Examples

```r
## Not run:
iex.earnings("TSLA", "sk")
## End(Not run)```
iex.intraday  

Returns 1 minute bar data where open, high, low, and close are per minute. For latest stock price use the iex.quote function

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Description

For more details, visit: https://iexcloud.io/docs/api/#historical-prices

Usage

iex.intraday(x, iex_sk)

Arguments

- **x**: A character vector that can include one or multiple Tickers / Stocks Symbols
- **iex_sk**: is a character vector that include IEX Cloud API Secret Token

Value

Data frame that includes stock(s) financial data

Author(s)

Myriam Ibrahim

See Also

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Examples

```r
## Not run:
iex.intraday ("TSLA", "sk")
```

## End(Not run)
iex.most.active

**Description**

For more details, visit: [https://iexcloud.io/docs/api/#list](https://iexcloud.io/docs/api/#list)

**Usage**

```r
iex.most.active(iex_sk)
```

**Arguments**

- `iex_sk` is a character vector that include IEX Cloud API Secret Token

**Value**

Most Active Stocks in IEX during the trading day

**Author(s)**

Myriam Ibrahim

**See Also**

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- Package ‘iexcloudR’ [https://github.com/scharbtbc/iexcloudR](https://github.com/scharbtbc/iexcloudR)

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iex.stats

**Description**

For more details, visit: [https://iexcloud.io/docs/api/#key-stats](https://iexcloud.io/docs/api/#key-stats)

**Usage**

```r
iex.stats(x = "GM", iex_sk)
```
Arguments

- **x**: A character vector that can include one or multiple Tickers / Stocks Symbols
- **iex_sk**: is a character vector that include IEX Cloud API Secret Token

Value

- Key statistics

Author(s)

Myriam Ibrahim

See Also

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- Package ‘iexcloudR’ [https://github.com/schardtbc/iexcloudR](https://github.com/schardtbc/iexcloudR)

Examples

```r
## Not run:
iex.stats("TSLA", "sk")
## End(Not run)
```

---

**logo**

*Returns url for company’s logo based on Google standardized APIs.*

Description

For more details, visit [https://iexcloud.io/docs/api/#logo](https://iexcloud.io/docs/api/#logo)

Usage

`logo(x, iex_sk)`

Arguments

- **x**: A character vector that can include one or multiple Tickers / Stocks Symbols
- **iex_sk**: is a character vector that include IEX Cloud API Secret Token

Value

- Company’s Logo
Author(s)

Myriam Ibrahim

See Also

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Package ‘iexcloudR’ [https://github.com/schardtbc/iexcloudR](https://github.com/schardtbc/iexcloudR)

Examples

```r
## Not run:
logo("GOOG", "sk")

## End(Not run)
```
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