

# Package ‘Riex’

October 12, 2022

**Type** Package

**Title** IEX Stocks and Market Data

**Version** 1.0.2

**Author** Myriam Ibrahim [aut, cre]

**Maintainer** Myriam Ibrahim <ibrahimmyriam7@gmail.com>

**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:

crypto . . . . .	2
crypto_symbols . . . . .	3
financials . . . . .	4
iex.account . . . . .	5
iex.book . . . . .	6
iex.chart . . . . .	7
iex.company . . . . .	8
iex.earnings . . . . .	9
iex.intraday . . . . .	10
iex.most.active . . . . .	11
iex.stats . . . . .	11
logo . . . . .	12
<b>Index</b>	<b>14</b>

---

crypto	<i>Returns quote for Crypto Currencies supported by the IEX Cloud API.</i>
--------	--

---

### Description

For more details, visit: <https://iexcloud.io/docs/api/#crypto>

### Usage

```
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

## 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

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

```
## End(Not run)
```

---

crypto_symbols	<i>'IEX' Crypto currency symbols</i>
----------------	--------------------------------------

---

## 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/>

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

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

---

iex.account	<i>Account and usage details</i>
-------------	----------------------------------

---

**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

**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>

---

iex.book	<i>Retrieves quote, bids, asks, trades and system event for each Stock Symbol</i>
----------	---

---

### Description

For more details, visit:<https://iexcloud.io/docs/api/#book>

### Usage

```
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/>

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

```
## 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

### 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

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

---

iex.company	<i>Returns company's key info. For example: Industry, CEO, website, number of employees, ..etc.</i>
-------------	---

---

### 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

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

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

---

iex.earnings	<i>Earnings data for a given company including the actual EPS, consensus, and fiscal period. Earnings are available quarterly (last 4 quarters)</i>
--------------	---

---

## Description

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

## Usage

```
iex.earnings(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 earnings

## Author(s)

Myriam Ibrahim

## 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

```
## 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
--------------	--

---

### 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

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

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

---

iex.most.active	Returns the quotes for the top 10 most active symbols. Data scheduled for intraday update.
-----------------	--

---

### Description

For more details, visit:<https://iexcloud.io/docs/api/#list>

### Usage

```
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

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>

---

iex.stats	Returns key stats per symbol - e.g. Market cap, 52 weeks high & low stock price
-----------	---

---

### Description

For more details, visit:<https://iexcloud.io/docs/api/#key-stats>

### Usage

```
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**

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**

```
## 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>

**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**

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**

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

# Index

## \* datasets

crypto\_symbols, 3

crypto, 2

crypto\_symbols, 3

financials, 4

iex.account, 5

iex.balance.sheet (financials), 4

iex.book, 6

iex.cash.flow (financials), 4

iex.chart, 7

iex.company, 8

iex.daily.usage (iex.account), 5

iex.earnings, 9

iex.income (financials), 4

iex.intraday, 10

iex.key.usage (iex.account), 5

iex.monthly.usage (iex.account), 5

iex.most.active, 11

iex.stats, 11

iex.usage (iex.account), 5

logo, 12