Package 'nser'

July 26, 2024

Type Package

Title Bhavcopy and Live Market Data from National Stock Exchange (NSE)
& Bombay Stock Exchange (BSE) India

Version 1.5.3

Date 2024-07-22

Description Download Current & Historical Bhavcopy. Get Live Market data from NSE India of Equities and Derivatives (F&O) segment. Data source <https://www.nseindia.com/>.

URL <https://github.com/nandp1/nser/>

BugReports <https://github.com/nandp1/nser/issues>

Language en-US

License GPL-3

Depends R (>= 3.0)

Encoding UTF-8

LazyData TRUE

Imports utils, readr, magrittr, rvest, stringr, httr, googleVis,
dplyr, lubridate, purrr, curl, reticulate, xml2

Suggests rmarkdown, testthat (>= 3.0.0), knitr, reshape2

RoxygenNote 7.3.1

VignetteBuilder knitr

Author Nandan Patil [cre, aut]

Maintainer Nandan Patil <tryanother609@gmail.com>

Repository CRAN

NeedsCompilation no

Date/Publication 2024-07-26 09:20:01 UTC

Contents

---

bhav	*Bhavcopy from NSE and BSE*

Description

Bhavcopy from NSE and BSE

Usage

```
bhav(x, se = "NSE")
```

Arguments

x	numeric date format
se	Stock Exchange either 'NSE' or 'BSE'. Default is 'NSE'.

Details

Gets Bhavcopy from NSE and BSE for the given date.

Value

Bhavcopy for the given date.

Note

The date should be strictly numerical and mentioned in quotation mark (refer examples). 'bhav'
can be used to download NSE bhavcopy from 1 Jan 2020 on wards.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/all-reports>, <https://www.bseindia.com/markets/marketinfo/BhavCopy.aspx>

See Also

bhavprbhavtoday

Examples

```
#Download Bhavcopy from NSE
report = bhav("01072024") # Download bhavcopy for 01 July 2024

#Download bhavcopy from BSE
report = bhav("01072024", 'BSE')
```

---

bhav1   *Bhavcopy from NSE upto 05 July 2024*

Description

Bhavcopy from NSE upto 05 July 2024

Usage

```
bhav1(x)
```

Arguments

x   numeric date format

Details

Gets Bhavcopy from NSE from 1 Jan 2016 to 05 July 2024.

Value

Bhavcopy for the given date.

Note

The date should be strictly numerical and mentioned in quotation mark (refer examples). 'bhav1' can be used to download bhavcopy from 1 Jan 2016 to 05 July 2024.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/all-reports>

See Also

[bhavbhavtoday](#)

Examples

```
#Download Bhavcopy from NSE
report = bhav("01072021") # Download bhavcopy for 01 July 2021
```

---

bhavpr   *Bhavcopy PR from NSE*

Description

Bhavcopy PR from NSE

Usage

```
bhavpr(x)
```

Arguments

x   numeric date format

Details

Gets Bhavcopy PR from NSE for the given date.

Value

List of Bhavcopy PR for the given date.

Note

The date should be strictly numerical and mentioned in quotation mark, refer example.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/all-reports>

See Also

bhavbhavtoday

Examples

```
## Not run:
# Equity Bhavcopy PR
library(nser)
report = bhavpr("01072021")

## End(Not run)
```

---

bhavtoday   *Get Bhavcopy for the present day from NSE and BSE*

Description

Get Bhavcopy for the present day from NSE and BSE

Usage

```
bhavtoday(se = "NSE")
```

Arguments

se   Stock Exchange either 'NSE' or 'BSE'. Default is 'NSE'.

Details

Gets todays bhavcopy from NSE. The function tries to get the bhavcopy from two sources Old and New website of NSE.

Value

Todays's Bhavcopy.

Note

The date should be strictly numerical and mentioned in quotation mark.The present days Bhavcopy would usually available in the evening

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/all-reports>, <https://www.bseindia.com/markets/marketinfo/BhavCopy.aspx>

See Also

[bhavprbhav](#)

Examples

```
## Not run:

#Todays NSE Equity Bhavcopy, the data would be available usually after 6.30 PM.
library(nser)
report = bhavtoday()

#Todays BSE Equity Bhavcopy
report = bhavtoday('BSE')

## End(Not run)
```

---

dailydata   *Daily data of a stock*

Description

Daily data of a stock with six columns.

Usage

```
data(dailydata)
```

Format

Daily data of a stock with six column

SYMBOL SYMBOL of the stock

OPEN Opening price for the day

HIGH High price for the day

LOW Low price for the day

CLOSE Closing price for the day

DATE Date for the given day

Source

https://www.nseindia.com/

See Also

[bhav](#) ,[bhavtoday](#) ,[nsetree](#)

Examples

```
library(nser)
data(dailydata)
daytoweek(dailydata)
```

---

daytomonth   *Convert Daily data of a stock to Monthly data*

Description

Convert Daily data of a stock to Monthly data

Usage

```
daytomonth(x)
```

Arguments

x   dataframe containing stock data with columns SYMBOL, OPEN, HIGH, LOW,
                CLOSE & DATE.

Details

Converts the Daily data of a stock to Monthly data.

Value

OHLC data in monthly format.

Note

The dataframe should contain six columns named SYMBOL, OPEN, HIGH, LOW, CLOSE &
DATE.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

See Also

[bhavprbhavtodaybhavdaytoweek](#)

Examples

```
data(dailydata)
daytomonth(dailydata)
```

---

daytoweek   *Convert Daily data of a stock to Weekly data*

Description

Convert Daily data of a stock to Weekly data

Usage

```
daytoweek(x)
```

Arguments

x   dataframe containing stock data with columns SYMBOL, OPEN, HIGH, LOW,
                 CLOSE & DATE.

Details

Converts the Daily data of a stock to Weekly data.

Value

Dataframe with Weekly data.

Note

The dataframe should contain six columns named SYMBOL, OPEN, HIGH, LOW, CLOSE &
DATE.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

See Also

[bhavprbhavtodaybhav](#)

Examples

```
library(nser)
data(dailydata)
daytoweek(dailydata)
```

---

fdii	*Latest FII/DII data.*

Description

Latest FII/DII data.

Usage

```
fdii()
```

Details

Get latest FII/DII data from Moneycontrol website.

Value

Dataframe containing FII/DII data.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.moneycontrol.com/stocks/marketstats/fii_dii_activity/index.php>

See Also

[nseipobhavfobhavtodaynseopen](#)

Examples

```
## Not run:
# The function may fail when accessed outside from INDIA.

library(nser)
fdii()


## End(Not run)
```

fobhav   *Futures and Options Bhavcopy from NSE*

Description

Futures and Options Bhavcopy from NSE

Usage

```
fobhav(x)
```

Arguments

x   numeric date format

Details

Gets Futures and Options Bhavcopy from NSE for the given date.

Value

F&O Bhavcopy for the given date.

Note

The date should be strictly numerical and mentioned in quotation mark. 'fobhav' can be used to download bhavcopy from 1 Jan 2016 onwards.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/all-reports>

See Also

[bhavprbhavtoday](#)

Examples

```
report = fobhav("01072021") # Download F&O bhavcopy for 01 July 2021
```

---

fobhavtoday   *Get F&O Bhavcopy for the present day*

Description

Get F&O Bhavcopy for the present day

Usage

```
fobhavtoday()
```

Details

Gets todays Futures and Options bhavcopy from NSE.

Value

Todays's F&O Bhavcopy.

Note

The date should be strictly numerical and mentioned in quotation mark.The present days Bhavcopy would usually available in the evening.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

See Also

bhavprbhav

Examples

```
#Todays F&O Bhavcopy
library(nser)
try(stop(report = fobhavtoday()))
```

---

nseindex   *NSE Nifty Indices*

Description

NSE Nifty Indices

Usage

```
nseindex()
```

Details

Live report of Nifty Indices

Value

A dataframe containing last price and per cent change of nifty indices.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www1.nseindia.com/live_market/dynaContent/live_watch/live_index_watch.htm>

See Also

bhavprbhavfobhavtodaynseopennselive

Examples

```
## Not run:
#Live status of Nifty Indices
library(nser)
nseindex()

## End(Not run)
```

---

nseipo   *Current and Upcoming IPO's on NSE.*

Description

Current and Upcoming IPO's on NSE.

Usage

```
nseipo()
```

Details

List of upcoming and current IPO's on NSE gathered from Moneycontrol.

Value

A dataframe of IPO's on NSE.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.moneycontrol.com/ipo/ipo-snapshot/issues-open.html>

See Also

bhavprbhavfobhavtodaynseopen

Examples

```
## Not run:
# NSE IPO's
library(nser)
nseipo()

## End(Not run)
```

nselive   *NSE Live Market data*

Description

NSE Live Market data

Usage

```
nselive(x = "n50")
```

Arguments

x   "n50" and "fo" for nifty 50 and F&O. DEFAULT value is "n50".

Details

Get live NSE market data of Nifty 50 and Futures & Options

Value

A dataframe with NSE Live market data.

Note

NSE pre-open market 09.00 hrs to 9.08 hrs (IST). Regular Trading Session 09.15 hrs to 15.30 hrs (IST)

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/market-data/live-market-indices>

See Also

bhavprbhavfobhavtodaynseindexnseopen

Examples

```
## Not run:
# NSE Live market data for Nifty 50 stocks
library(nser)
nselive()

# Live market for F&O stocks
nselive("fo")
```

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

---

nseopen   *NSE Pre Open Market data*

Description

NSE Pre Open Market data

Usage

```
nseopen(x = "n50")
```

Arguments

x   "fo" for F&O stocks, "all" for all the stocks. Default is "n50" for NIFTY 50
                  stocks.

Details

Get NSE Pre open market data.

Value

A dataframe with NSE Pre open market data.

Note

NSE market opening time is 9.00 AM (IST). The NSE pre market closes at 9.08 AM (IST).

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www1.nseindia.com/live_market/dynaContent/live_watch/pre_open_market/pre_open_market.htm>

See Also

[bhavpr](bhavfo)(bhavtoday)

Examples

```
## Not run:
# NSE Pre market open data of Nifty 50 stocks
library(nser)
nseopen("n50")

# Pre open market data of F&O stocks
nseopen("fo")

## End(Not run)
```

---

nsetree   *Treemap for Nifty50 and F&O Securities*

Description

Treemap for Nifty50 and F&O Securities

Usage

```
nsetree(x = "n50")
```

Arguments

x   "n50" for NIFTY 50 Securities and "fo" for Futures and Options Securities.

Details

Plot treemap representing per cent change in 'NIFTY50' and 'F&O' stocks.

Value

treemap A Treemap of recent percent change in value of securities.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/market-data/live-market-indices>

See Also

bhavprbhavtodaybhavfobhav

Examples

```
## Not run:
# Treemap of NIFTY50 securities

library(nser)
nsetree()

# Treemap of FO securities

library(nser)
nsetree('fo')

## End(Not run)
```

---

optbanknifty   *Option Chain of NSE BANKNIFTY (current expiry date).*

Description

Option Chain of NSE BANKNIFTY (current expiry date).

Usage

```
optbanknifty()
```

Details

Option chain of BANKNIFTY for the current expiry.

Value

A dataframe containing option chain of NSE BANKNIFT current expiry date.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/option-chain>

See Also

optniftybhavtodaynselivensetreenseipo

Examples

```
 ## Not run:  # Example: BANKNIFTY option chain
optbanknifty()

## End(Not run)
```

---

optnifty   *Option Chain of NSE Nifty 50 (current expiry date).*

Description

Option Chain of NSE Nifty 50 (current expiry date).

Usage

```
optnifty()
```

Details

Option chain of NIFTY 50 for the current expiry.

Value

A dataframe containing option chain of NSE Nifty 50 for current expiry date.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www.nseindia.com/option-chain>

See Also

[optbankniftybhavtodaynselivensetreenseipo](#)

Examples

```
 ## Not run: # Example: NIFTY 50 option chain
optnifty()

## End(Not run)
```

Index