

Package ‘nser’

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Type Package

Title Bhavcopy and Live Market Data from National Stock Exchange (NSE) & Bombay Stock Exchange (BSE) India for Equities and Equity Derivatives (F&O)

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Description Download Current & Historical Bhavcopy from NSE (National Stock Exchange) and BSE (Bombay Stock Exchange). 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

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bhav

Bhavcopy from NSE

Description

Bhavcopy from NSE

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 for the given date. The function tries to get the bhavcopy from two sources i.e., Old and New website of NSE.

Value

Bhavcopy for the given date.

Note

The date should be strictly numerical and mentioned in quotation mark. 'bhav' can be used to download bhavcopy from 1 Jan 2016 on wards. To download bhavcopy previous to aforementioned date use 'bhavs'.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www1.nseindia.com/products/content/all_daily_reports.htm>, <<https://www.bseindia.com/markets/marketinfo/Bhav>>

See Also

[bhavprbhavtoday](#)

Examples

```
## Not run:
#Download Bhavcopy from NSE
report = bhav("01072021") # Download bhavcopy for 01 July 2021

#Download bhavcopy from BSE
report = bhav("01072021", 'BSE')

## End(Not run)
```

bhavfos

Futures and Options (F&o) Bhavcopy through RSelenium

Description

Futures and Options (F&o) Bhavcopy through RSelenium

Usage

```
bhavfos(x, n = 0)
```

Arguments

x	numeric date format (ddmmyyyy)
n	time interval to delay in seconds. DEFAULT = 0

Details

Gets zip Bhavcopy from NSE for the given date.

Value

Download F&O Bhavcopy zip file of the given date.

Note

The date should be strictly of numeric and of format 'ddmmyyy' mentioned in quotation mark. All the Bhavcopy's can be downloaded.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www1.nseindia.com/products/content/derivatives/equities/archieve_fo.htm>

See Also

[bhavprbhavtodaybhavfobhavbhavs](#)

Examples

```
## Not run: # Start a selenium server and browser
# For Google Chrome (Update Chrome to latest version)
library(RSelenium)
driver = rsDriver(browser = c("chrome"), port = 3163L, chromever = "91.0.4472.101")
remDr = driver$client

# For Firefox
driver = rsDriver(browser = c("firefox"), port = 3799L)

# Download Equity Bhavcopy zip file
bhavfos("03012000", 3)

# Close the Browser
remDr$close()

## End(Not run)
```

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.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

See Also

[bhavbhavtoday](#)

Examples

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

bhavs

Equity Bhavcopy through RSelenium

Description

Equity Bhavcopy through RSelenium

Usage

```
bhavs(x, n = 0)
```

Arguments

x numeric date format (ddmmyyy)
n time interval to delay in seconds. DEFAULT = 0

Details

Gets zip Bhavcopy from NSE for the given date.

Value

Download Equity Bhavcopy zip file of the given date.

Note

The date should be strictly numeric and of format 'ddmmyyy' mentioned in quotation mark. All the Bhavcopy's can be downloaded.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www1.nseindia.com/products/content/equities/equities/archieve_eq.htm>

See Also

[bhavprbhavtodaybhavfobhavbhavfos](#)

Examples

```
## Not run: # Start a selenium server and browser
library(RSelenium)
# For Google Chrome (Update Chrome to latest version)
driver = rsDriver(browser = c("chrome"), port = 3163L, chromever = "91.0.4472.101")
remDr = driver$client

# For Firefox
driver = rsDriver(browser = c("firefox"), port = 3799L)

# Download Equity Bhavcopy zip file
bhavs("03012000", 3)

# Close the Browser
remDr$close()

## End(Not run)
```

bhavtoday	<i>Get Bhavcopy for the present day</i>
-----------	---

Description

Get Bhavcopy for the present day

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://www1.nseindia.com/products/content/all_daily_reports.htm>, <<https://www.bseindia.com/markets/marketinfo/Bhav>>

See Also

[bhavprbhav](#)

Examples

```
## Not run:  
#Todays NSE Equity Bhavcopy  
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

```
## Not run:  
data(dailydata)  
daytoweek(dailydata)  
  
## End(Not run)
```

`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

```
## Not run:  
data(dailydata)  
daytomonth(dailydata)  
  
## End(Not run)
```

daytweek

Convert Daily data of a stock to Weekly data

Description

Convert Daily data of a stock to Weekly data

Usage

```
daytweek(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

```
## Not run:  
data(dailydata)  
daytweek(dailydata)  
  
## End(Not run)
```

`fdii`*Get latest FII/DII data.*

Description

Get latest FII/DII data.

Usage

```
fdii()
```

Details

Data gathered from moneycontrol.

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:  
# NSE IPO's  
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. To download bhavcopy previous to aforementioned date use ‘bhavfos’.

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www1.nseindia.com/products/content/all_daily_reports.htm>

See Also

[bhavprbhavtoday](#)

Examples

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

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

```
## Not run:  
#Todays F&O Bhavcopy  
library(nser)  
report = fobhavtoday()  
  
## End(Not run)
```

nseindex

NSE Nifty Indices

Description

NSE Nifty Indices

Usage

```
nseindex()
```

Details

Live report of Nifty Indices

Value

A dataframe containing last price and

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

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

See Also

[bhavprbhavfobhavtodaynseopenselive](#)

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>

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://www1.nseindia.com/live_market/dynaContent/live_watch/equities_stock_watch.htm?cat=N>

See Also

[bhavprbhavfobhavtodaynseindexnseopen](#)

Examples

```
## Not run:  
# NSE Live market data for Nifty 50 stocks  
library(nser)  
nslive()  
  
# Live market for F&O stocks  
nslive("fo")  
  
## End(Not run)
```

nseopen	<i>NSE Pre Open Market</i>
---------	----------------------------

Description

NSE Pre Open Market

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

[bhavprbhavfobhavtoday](#)

Examples

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

The function plots a treemap with the recent change in price of securities.

Value

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

Author(s)

Nandan L. Patil <tryanother609@gmail.com>

Source

<https://www1.nseindia.com/live_market/dynaContent/live_watch/equities_stock_watch.htm?cat=N>

See Also

[bhavprbhavtodaybhavsbhavfos](#)

Examples

```
## Not run: # Treemap of NIFTY50 securities
nsetree()

# Treemap of F&O securities
nsetree("fo")

## End(Not run)
```

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