

Package ‘nser’

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Type Package

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

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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)

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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 onwards.

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 = bhav1("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 today's bhavcopy from NSE. The function tries to get the bhavcopy from two sources Old and New website of NSE.

Value

Today's Bhavcopy.

Note

The date should be strictly numerical and mentioned in quotation mark. The present day's Bhavcopy would usually be 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	<i>Convert Daily data of a stock to Monthly data</i>
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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

[bhavprbhavtodaybhavdaytweek](#)

Examples

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

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

```
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 (refer examples). ‘fobhav’ 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>>

See Also

[bhavprbhavtoday](#)

Examples

```
## Not run:  
report = fobhav("09122025") # Download F&O bhavcopy for 01 July 2021  
  
## End(Not run)
```

fobhav1

Futures and Options Bhavcopy from NSE

Description

Futures and Options Bhavcopy from NSE

Usage

fobhav1(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

```
## Not run:  
report = fobhav1("01072021") # Download F&O bhavcopy for 01 July 2021  
  
## End(Not run)
```

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 be 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

[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>

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)
```

nslive	<i>NSE Live Market data</i>
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Description

NSE Live Market data

Usage

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

[bhavprbhavfobhavtoday](#)

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)
```

nseopenfo

NSE Derivatives Pre Open Market of current month's future stock.

Description

NSE Derivatives Pre Open Market of current month's future stock.

Usage

```
nseopenfo(x = "fo")
```

Arguments

x "fo" for F&O stocks,

Details

Get Derivatives Pre Open Market of current month's future stock.

Value

A dataframe with Derivatives Pre Open Market of current month's future stock.

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:  
  
# Pre open market data of Current Months Futures of F&O stocks  
library(nser)  
nseopenfo()  
  
## 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 F0 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)
```

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