

# Package ‘nser’

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**Type** Package

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

**Version** 1.3.4

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**Maintainer** Nandan Patil <tryanother609@gmail.com>

**Description** Download Historical Bhavcopy and 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** stats, utils, readr, magrittr, rvest, tidyverse, stringr, jsonlite, RSelenium, googleVis, dplyr, lubridate, purrr

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

**RoxygenNote** 7.1.1

**VignetteBuilder** knitr

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**Author** Nandan Patil [cre, aut]

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---

 bhav

*Bhavcopy from NSE*


---

**Description**

Bhavcopy from NSE

**Usage**

bhav(x)

**Arguments**

x                    numeric date format

**Details**

Gets Bhavcopy from NSE for the given date.

**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 onwards. 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://www1.nseindia.com/products/content/all_daily_reports.htm)>

**See Also**

[bhavprbhavtoday](#)

**Examples**

```
## Not run:  
report = bhav("01072021") # Download bhavcopy for 01 July 2021  
head(report)  
  
## 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 'ddmmyyyy' 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](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 (ddmmyyyy)
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](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

*Get Bhavcopy for the present day*

---

**Description**

Get Bhavcopy for the present day

**Usage**

```
bhavtoday()
```

**Details**

Gets today's bhavcopy from NSE.

**Value**

Today's 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**

```
## Not run:  
#Today's Equity Bhavcopy  
library(nser)  
report = bhavtoday()  
  
## 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 columns

**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)  
daytweek(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](mailto:tryanother609@gmail.com)>



**See Also**[bhavprbhavtodaybhav](#)**Examples**

```
## Not run:  
data(dailydata)  
daytoweek(dailydata)  
  
## 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](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 be available in the evening.

**Author(s)**

Nandan L. Patil <[tryanother609@gmail.com](mailto:tryanother609@gmail.com)>

**See Also**

[bhavprbhav](#)

**Examples**

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

## End(Not run)
```

---

nseindex	<i>NSE Nifty Indices</i>
----------	--------------------------

---

**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](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 form 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)
```

---

nslive*NSE Live Market data*

---

**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://www1.nseindia.com/live\\_market/dynaContent/live\\_watch/equities\\_stock\\_watch.htm?cat=N](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

*NSE Pre Open Market*

---

### 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](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	<i>Treemap for Nifty50 and F&amp;O Securities</i>
---------	---

---

## 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](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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