

Package ‘StockChina’

January 30, 2016

Type Package

Title Real-Time Stock Price & Volume in China Market

Version 0.3.1

Date 2016-01-30

Author Xiaodong Deng

Maintainer Xiaodong Deng <xd_deng@hotmail.com>

Description With this package, users can obtain the real-time price and volume information of stocks in China market, as well as the information of the stock index. This package adopted the API from Sina Finance (<http://finance.sina.com.cn/>).

URL <https://github.com/XD-DENG/StockChina>

License GPL-2

LazyData TRUE

NeedsCompilation no

Repository CRAN

Date/Publication 2016-01-30 10:08:47

R topics documented:

index.CN	1
stock.CN	3
Index	5

index.CN	<i>Grab Real-Time Stock Index Information in China Market</i>
----------	---

Description

With ‘index.CN’ function, users can obtain the real-time information about the stock index in China market, including Shanghai Stock Exchange (SSE) and Shenzhen Stock Exchange (SZSE).

Usage

```
index.CN(exchange)
```

Arguments

exchange	The stock exchange. Available options include "sh" and "sz" for Shanghai Stock Exchange and Shenzhen Stock Exchange, respectively.
----------	---

Details

There are two stock exchanges in China, Shanghai Stock Exchange (SSE) and Shenzhen Stock Exchange (SZSE). The trading hours are 9:30 to 11:30, and 13:00 to 15:00 (Beijing time, i.e. UTC+08:00), Monday to Friday, excluding public holidays in China).

Value

index	The name of the index
index.value	The current value of the index
change	The change of the index within the day
change.percentage	The percentage of the corresponding change. If the value here is 0.07, then the change is 0.07%.
volume.hand	The volume traded within the day. Please note that the unit here is "hand", that is 100 stocks. This is a commonly used unit in China Market.
amount.10k	The amount within the day. Please note that here the unit is 10k Chinese Yuan. That is, if the amount here is 1, then the actual amount is 10,000 Chinese Yuan.

Note

1. Please note that the unit used for volume traded in this function is "hand", that is 100 stocks. This is a commonly used unit in China Market;
2. Please note that the unit used for amount traded in this function is 10k Chinese Yuan. That is, if the amount here is 1, then the actual amount is 10,000 Chinese Yuan.
3. The dates and time stamps produced from this function are in Beijing time, i.e. in timezone UTC+08:00.

Author(s)

Xiaodong Deng <xd_deng@hotmail.com>

Examples

```
index.CN("sh")
```

 stock.CN

Grab Real-Time Stock Price & Volume Information in China Market

Description

With 'stock.CN' function, users can obtain the real-time information about the price and volume of the stocks in China market, including Shanghai Stock Exchange (SSE) and Shenzhen Stock Exchange (SZSE).

Usage

```
stock.CN(stock.code)
```

Arguments

stock.code	The code of the stock (in character string). The format should be like "600016" or "000034".
------------	---

Details

There are two stock exchanges in China, Shanghai Stock Exchange (SSE) and Shenzhen Stock Exchange (SZSE). The trading hours are 9:30 to 11:30, and 13:00 to 15:00 (Beijing time, i.e. UTC+08:00), Monday to Friday, excluding public holidays in China).

Value

code	The code of the stock
open	The open price
prev.close	The close price of the previous market day
current	The current price of the stock
high	The highest price within the day
low	The lowest price within the day
volume	The volume traded within the day (the unit here is 'share' instead of 'hand')
amount	The amount traded within the day (The unit is Chinese Yuan)
bid.volume.1	The volume of bidding (unit: share)
bid.price.1	The latest price of bidding
ask.volume.1	The volume of asking (unit: share)
ask.price.1	The latest price of asking
date	The data on which the information obtained
time	The exact of the information obtained

Note

The dates and time stamps produced from this function are in Beijing time, i.e. in timezone UTC+08:00.

Author(s)

Xiaodong Deng <xd_deng@hotmail.com>

Examples

```
symbol <- "601898"  
symbols <- c("601898", "000001")
```

```
stock.CN(symbol)  
sapply(symbols, stock.CN)
```

Index

index.CN, 1

stock.CN, 3