

Package ‘rbitcoinchartsapi’

August 29, 2016

Type Package

Title R Package for the BitCoinCharts.com API

Version 1.0.4

Date 2014-08-06

Author Thomas P. Fuller <thomas.fuller@coherentlogic.com>

Maintainer Thomas P. Fuller <thomas.fuller@coherentlogic.com>

Description An R package for the BitCoinCharts.com API.

Depends R (>= 3.0.3), RJSONIO, RCurl

SystemRequirements

LazyLoad yes

License LGPL-3

Copyright (C) 2014 Coherent Logic Limited; ALL RIGHTS RESERVED.

URL <http://www.r-project.org>,

http://www.coherentlogic.com/wordpress/?page_id=3580&source=cran

Repository CRAN

Archs i386, x64

NeedsCompilation no

Date/Publication 2014-06-14 17:05:00

R topics documented:

GetHistoricTradeData	2
GetMarketData	2
GetWeightedPrices	3

Index	5
--------------	----------

GetHistoricTradeData *This function will return the 2000 most recent trades which are delayed by approximately 15 minutes.*

Description

The symbols that are available can be found [here](#).

Usage

```
GetHistoricTradeData(params)
```

Arguments

params Any parameter accepted by this web service call – see [here](#).

Details

Note that calling this function with invalid parameters will result in an empty data frame.

Examples

```
params <- list (symbol="btceUSD")
tryCatch(
  historicTradeData <- GetHistoricTradeData (params),
  error =
    function (e) {
      print (
        paste (
          "An exception was thrown -- details follow: ",
          e,
          sep=""
        )
      )
    }
)
```

GetMarketData *This function will return an array with elements for each market.*

Description

General market data can be accessed [here](#).

Usage

```
GetMarketData(params)
```

Arguments

params Any parameter accepted by this web service call – see [here](#)

Examples

```
params <- list (currency="USD")
tryCatch(
  usd <- GetMarketData (params),
  error =
    function (e) {
      print (
        paste (
          "An exception was thrown -- details follow: ",
          e,
          sep=""
        )
      )
    }
)
```

GetWeightedPrices *This function returns the weighted prices.*

Description

[Bitcoincharts](#) offers weighted prices for several currencies that can be used, for example, to price goods and services in Bitcoins – this will yield much lower fluctuations than using a single market's latest price.

Usage

```
GetWeightedPrices()
```

Value

Weighted prices are calculated for the last 24 hours, 7 days and 30 days; if there are no trades during an interval, such as no trade within 24 hours, then no value will be returned.

Examples

```
tryCatch(
  weightedPrices <- GetWeightedPrices (),
  error =
    function (e) {
      print (
        paste (
          "An exception was thrown -- details follow: ",
          e,
          sep=""
        )
      )
    }
)
```

```
) } ) )
```

Index

GetHistoricTradeData, [2](#)

GetMarketData, [2](#)

GetWeightedPrices, [3](#)