Package ‘rbitcoinchartsapi’

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Type Package

Title R Package for the BitCoinCharts.com API

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Description An R package for the BitCoinCharts.com API.

Depends R (>= 3.0.3), RJSONIO, RCurl

SystemRequirements

LazyLoad yes

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URL http://www.r-project.org,http://www.coherentlogic.com/wordpress/?page_id=3580&source=cran

Repository CRAN

Archs i386, x64

NeedsCompilation no

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`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=""
```

```
                )
            )
        }
    )
```

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