Package ‘rbitcoinchartsapi’

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Type Package
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Description An R package for the BitCoinCharts.com API.
Depends R (>= 3.0.3), RJSONIO, RCurl
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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 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=""))
    }
)
GetWeightedPrices

)
Index

GetHistoricTradeData, 2
GetMarketData, 2
GetWeightedPrices, 3