Package ‘coindeskr’

January 5, 2018

Type Package
Title Access ‘CoinDesk’ Bitcoin Price Index API
Version 0.1.0
Date 2018-01-05
Description Extract real-time Bitcoin price details by accessing ‘CoinDesk’ Bitcoin price Index API <https://www.coindesk.com/api/>.
License CC0
Encoding UTF-8
LazyData true
RoxygenNote 6.0.1
Suggests testthat
Imports httr, jsonlite
URL https://github.com/amrrs/coindeskr
BugReports https://github.com/amrrs/coindeskr/issues
NeedsCompilation no
Author AbdulMajedRaja RS [aut, cre]
Maintainer AbdulMajedRaja RS <amrrs.data@gmail.com>
Repository CRAN
Date/Publication 2018-01-05 13:14:16 UTC

R topics documented:

get_currency_list .................................................. 2
get_current_price .................................................. 2
get_historic_price ............................................... 3
get_last31days_price ........................................... 3

Index 4
get_currency_list

Extract List of currency codes supported by Coindesk

Description
Extract List of currency codes supported by Coindesk

Usage
get_currency_list()

Value
Dataframe of different currency codes supported by Coindesk along with its country

Examples
get_currency_list()

get_current_price

Extract Bitcoin Price Index from Coindesk API

Description
Extract Bitcoin Price Index from Coindesk API

Usage
get_current_price(currency = "USD", only_price = FALSE)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>currency</td>
<td>a valid ISO 4217 currency code supported by coindesk - verify with get_currency_list(), default is USD</td>
</tr>
<tr>
<td>only_price</td>
<td>a TRUE/FALSE flag to force-return only the bitcoin price filtering other associated info</td>
</tr>
</tbody>
</table>

Value
dataframe containing Bitcoin Price and other associated info returned from the API call if only_price is FALSE, if TRUE, returns only the numeric value of Bitcoin price in the given currency

Examples
get_current_price()
**get_historic_price**

*Extract historic Price of Bitcoin for the given time period and given currency*

**Description**

Extract historic Price of Bitcoin for the given time period and given currency.

**Usage**

```
get_historic_price(currency = "USD", start = Sys.Date() - 2,
end = Sys.Date() - 1)
```

**Arguments**

- `currency`: a valid ISO 4217 currency code supported by coindesk - verify with `get_currency_list()`, default is USD
- `start`: start date supplied in the YYYY-MM-DD format, e.g. 2013-09-01 for September 1st, 2013. default is current date - 2
- `end`: end date supplied in the YYYY-MM-DD format, e.g. 2013-09-01 for September 1st, 2013. default is current date - 1

**Value**

Dataframe with the requested currency Price as one column and Date as rownames.

**Examples**

```
get_historic_price()
```

---

**get_last31days_price**

*Extract daily USD Price of Bitcoin for the last 31 days*

**Description**

Extract daily USD Price of Bitcoin for the last 31 days.

**Usage**

```
get_last31days_price()
```

**Value**

Dataframe with USD Price as one column and Date as rownames.

**Examples**

```
get_last31days_price()
```
Index

get_currency_list, 2
get_current_price, 2
get_historic_price, 3
get_last31days_price, 3