

# Package ‘RCrypto’

January 31, 2018

**Type** Package

**Title** 'Httr' Implementation of the 'Coinmarketcap' API

**Version** 0.1.0

**Imports** dplyr, jsonlite, httr

**Author** Joey McGraw

**Maintainer** Joey McGraw <joeymcgraw@live.com>

**URL** <https://github.com/Time-Gnome/RCrypto>

**Description** Pulls current pricing and market cap info from the <<https://coinmarketcap.com/api/>> API and presents it in a dataframe, see function help documentation for headerdetails.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2018-01-31 09:26:22 UTC

## R topics documented:

CoinMarketCap_All	2
CoinMarketCap_Ticker	3
CoinMarketCap_Top100	4
currencies_list_CoinMarketCap	5

<b>Index</b>	<b>6</b>
--------------	----------

---

CoinMarketCap\_All      *'Coinamrketcap' All Currencies*

---

### Description

Get all currencies from the 'coinmarketcap' api

### Usage

```
CoinMarketCap_All(currency)
```

### Arguments

currency      defaults "USD"

### Details

currencies available ("AUD", "BRL", "CAD", "CHF", "CLP", "CNY", "CZK", "DKK", "EUR", "GBP", "HKD", "HUF", "IDR", "ILS", "INR", "JPY", "KRW", "MXN", "MYR", "NOK", "NZD", "PHP", "PKR", "PLN", "RUB", "SEK", "SGD", "THB", "TRY", "TWD", "ZAR", "USD")

Dataframe Columns (id, name, symbol, rank, price\_usd, price\_btc, 24h\_volume\_usd, market\_cap\_usd, available\_supply, total\_supply, percent\_change\_1h, percent\_change\_24h, percent\_change\_7d, last\_updated, price\_(currency),X24h\_volume\_(currency),market\_cap\_(currency))

### Value

returns a dataframe of all the currencies on the coinmarketcap api

### Author(s)

GitHub = Time-Gnome

### References

<https://coinmarketcap.com/api/>

### Examples

```
MyData <- CoinMarketCap_All(currency = "CAD")  
MyData <- CoinMarketCap_All("AUD")  
MyData <- CoinMarketCap_All()
```

---

CoinMarketCap\_Ticker *'Coinmarketcap' Select Ticker Symbol*

---

### Description

Gets a dataframe based on selected ticker symbol

### Usage

```
CoinMarketCap_Ticker(currency, ticker)
```

### Arguments

```
currency, ticker  
defaults "USD", defaults "BTC"
```

### Details

currencies available ("AUD", "BRL", "CAD", "CHF", "CLP", "CNY", "CZK", "DKK", "EUR", "GBP", "HKD", "HUF", "IDR", "ILS", "INR", "JPY", "KRW", "MXN", "MYR", "NOK", "NZD", "PHP", "PKR", "PLN", "RUB", "SEK", "SGD", "THB", "TRY", "TWD", "ZAR", "USD")

Dataframe Columns (id, name, symbol, rank, price\_usd, price\_btc, 24h\_volume\_usd, market\_cap\_usd, available\_supply, total\_supply, percent\_change\_1h, percent\_change\_24h, percent\_change\_7d, last\_updated, price\_(currency),X24h\_volume\_(currency),market\_cap\_(currency))

### Value

returns a dataframe with one element for the selected ticker symbol

### Author(s)

GitHub = Time-Gnome

### References

<https://coinmarketcap.com/api/>

### Examples

```
MyData <- CoinMarketCap_Ticker(currency = "CAD", ticker = "ETH")  
MyData <- CoinMarketCap_Ticker(ticker = "VEN")  
MyData <- CoinMarketCap_Ticker(, "HUSH")  
MyData <- CoinMarketCap_Ticker("AUD")  
MyData <- CoinMarketCap_Ticker()
```

---

CoinMarketCap\_Top100 *'Coinmarketcap' Top 100 Currencies*

---

### Description

Gets the top 100 currencies from 'coinmarketcap' api and creates a dataframe

### Usage

```
CoinMarketCap_Top100(currency)
```

### Arguments

currency defaults "USD"

### Details

currencies available ("AUD", "BRL", "CAD", "CHF", "CLP", "CNY", "CZK", "DKK", "EUR", "GBP", "HKD", "HUF", "IDR", "ILS", "INR", "JPY", "KRW", "MXN", "MYR", "NOK", "NZD", "PHP", "PKR", "PLN", "RUB", "SEK", "SGD", "THB", "TRY", "TWD", "ZAR", "USD")

Dataframe Columns (id, name, symbol, rank, price\_usd, price\_btc, 24h\_volume\_usd, market\_cap\_usd, available\_supply, total\_supply, percent\_change\_1h, percent\_change\_24h, percent\_change\_7d, last\_updated, price\_(currency),X24h\_volume\_(currency),market\_cap\_(currency))

### Value

returns a dataframe of the top 100 currencies

### Author(s)

GitHub = Time-Gnome

### References

<https://coinmarketcap.com/api/>

### Examples

```
MyData <- CoinMarketCap_Top100(currency = "CAD")  
MyData <- CoinMarketCap_Top100("AUD")  
MyData <- CoinMarketCap_Top100()
```

---

currencies\_list\_CoinMarketCap  
*List of Currencies*

---

**Description**

list of all available currencies on the coinmarketcap api

**Format**

The format is: chr [1:32] "AUD" "BRL" "CAD" "CHF" "CLP" "CNY" "CZK" "DKK" "EUR" "GBP" "HKD" "HUF" "IDR" "ILS" "INR" "JPY" "KRW" "MXN" "MYR" "NOK" "NZD" "PHP" "PKR" "PLN" "RUB" "SEK" "SGD" ...

**Source**

<https://coinmarketcap.com/api/>

**Examples**

```
data(currencies_list_CoinMarketCap)
## maybe str(currencies_list_CoinMarketCap) ; plot(currencies_list_CoinMarketCap) ...
```

# Index

CoinMarketCap\_All, [2](#)  
CoinMarketCap\_Ticker, [3](#)  
CoinMarketCap\_Top100, [4](#)  
currencies\_list\_CoinMarketCap, [5](#)