

R Markdown Output

Last run on: 2020-12-15 10:04:04

2020-12-15 10:04:04

Overview

This document has code embedded throughout. In the next section we will create a visualization using the already loaded dataset `eth_data`:

```
datatable(eth_data)
```

Show entries

Search:

	pair	symbol	ask_1_price	date_time_utc
1	ETHUSD	ETH	586.354	2020-12-14T22:00:01Z
2	ETHUSD	ETH	587.396	2020-12-14T21:00:01Z
3	ETHUSD	ETH	585.598	2020-12-14T20:00:01Z
4	ETHUSD	ETH	586.372	2020-12-14T19:00:01Z
5	ETHUSD	ETH	580.936	2020-12-14T18:00:01Z
6	ETHUSD	ETH	581.332	2020-12-14T17:00:01Z
7	ETHUSD	ETH	583.641	2020-12-14T16:00:01Z
8	ETHUSD	ETH	582.559	2020-12-14T15:00:01Z
9	ETHUSD	ETH	582.14	2020-12-14T14:00:01Z
10	ETHUSD	ETH	578.901	2020-12-14T13:00:01Z

Showing 1 to 10 of 2,165 entries

Previous 2 3 4 5 ... 217 Next

Price Chart - Ethereum

Price Change Over Time – ETH

Most recent data collected on: 2020-12-14 15:00:01 (UTC)

$R = 0.89$, $p < 2.2e-16$



Python Code Example

```
import pandas as pd
# Create the Python object from R
df = r.cryptodata
# Show the new Python dataframe
df
```

	pair	symbol	ask_1_price	date_time_utc
## 0	ETHUSD	ETH	586.354	2020-12-14 22:00:01
## 1	BTCUSD	BTC	19195.290	2020-12-14 22:00:00
## 2	BTCUSD	BTC	19211.840	2020-12-14 21:00:01
## 3	ETHUSD	ETH	587.396	2020-12-14 21:00:01
## 4	BTCUSD	BTC	19176.520	2020-12-14 20:00:01
##
## 5201	BTCUSD	BTC	11972.900	2020-08-10 06:03:50
## 5202	BTCUSD	BTC	11985.890	2020-08-10 05:03:48
## 5203	BTCUSD	BTC	11997.470	2020-08-10 04:32:55
## 5204	BTCUSD	BTC	10686.880	NaT
## 5205	ETHUSD	ETH	357.844	NaT

One more Python example

The code below creates a new column `price_percentile` that specifies if the price for the row was in the upper or lower 50th percentile of prices (BTC should be upper and ETH lower):

```
import numpy as np
# Create a new column based on the ask_1_price value:
df['price_percentile'] = np.where(df['ask_1_price'] >
                                  np.percentile(df['ask_1_price'],
                                                  'upper 50th percentile of price'),
                                  'upper 50th percentile of price',
                                  'lower 50th percentile of price')
# Show modified dataframe:
df[['symbol', 'ask_1_price', 'price_percentile']]
```

##	symbol	ask_1_price	price_percentile
## 0	ETH	586.354	lower 50th percentile of price
## 1	BTC	19195.290	upper 50th percentile of price
## 2	BTC	19211.840	upper 50th percentile of price
## 3	ETH	587.396	lower 50th percentile of price
## 4	BTC	19176.520	upper 50th percentile of price

Back to Gallery

```
include_url("https://r-markdown-gallery.org")
```



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produce using [R Markdown](#) and refreshes all outputs daily.

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