

R Markdown Output

Overview

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

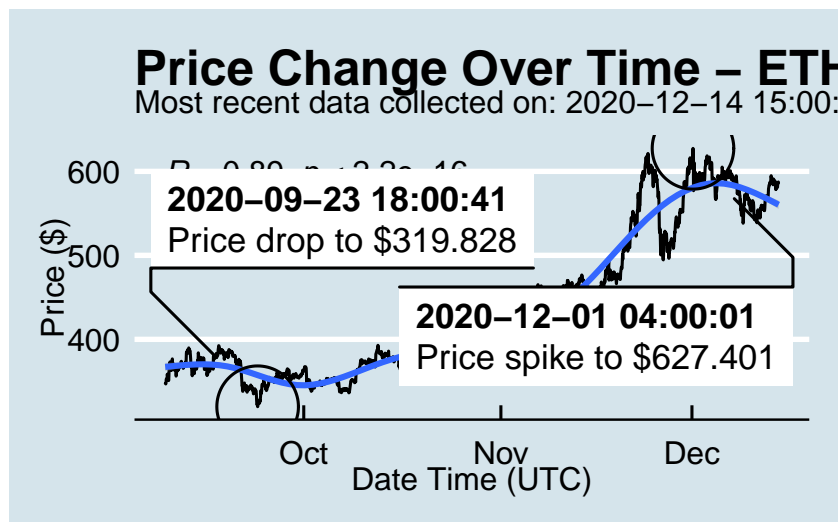
```
datatable(eth_data)
```

	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 1 2 3 4 5 ... 217 Next

Price Chart - Ethereum



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
##
## [5206 rows x 4 columns]
```

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'], 50),
                                'upper 50th percentile of prices',
                                'lower 50th percentile of prices')
# Show modified dataframe:
df[['symbol', 'ask_1_price', 'price_percentile']]
```

```
##          symbol  ask_1_price      price_percentile
## 0            ETH      586.354  lower 50th percentile of prices
## 1            BTC     19195.290  upper 50th percentile of prices
## 2            BTC     19211.840  upper 50th percentile of prices
## 3            ETH      587.396  lower 50th percentile of prices
## 4            BTC     19176.520  upper 50th percentile of prices
## ...      ...    ...           ...
## 5201         BTC     11972.900  upper 50th percentile of prices
## 5202         BTC     11985.890  upper 50th percentile of prices
## 5203         BTC     11997.470  upper 50th percentile of prices
## 5204         BTC     10686.880  upper 50th percentile of prices
## 5205         ETH       357.844  lower 50th percentile of prices
```

##

[5206 rows x 3 columns]

Back to Gallery

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

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R Markdown is a powerful Open Source

R Markdown allows the user to leve

The same code can be used to create:

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