R Markdown Output

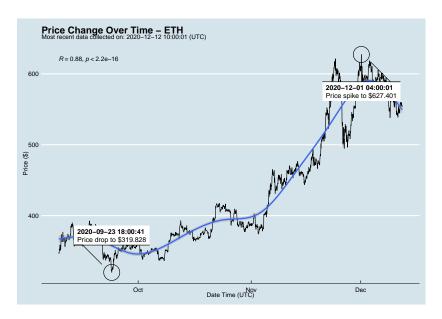
Overview

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)

Show 10	entries		Search:
	pair	symbol 🛊	ask_1_price date_time_utc
1	ETHUSD	ETH	553.184 2020-12-12T17:00:01Z
2	ETHUSD	ETH	554.487 2020-12-12T16:00:01Z
3	ETHUSD	ETH	553.77 2020-12-12T15:00:01Z
4	ETHUSD	ETH	555.539 2020-12-12T14:00:01Z
5	ETHUSD	ETH	557.14 2020-12-12T13:00:01Z
6	ETHUSD	ETH	559.517 2020-12-12T12:00:01Z
7	ETHUSD	ETH	554.736 2020-12-12T11:00:01Z
8	ETHUSD	ETH	556.452 2020-12-12T10:00:01Z
9	ETHUSD	ETH	557.268 2020-12-12T09:00:01Z
10	ETHUSD	ETH	558.965 2020-12-12T08:00:01Z
Showing	1 to 10 of 2,112 en	tries	Previous 1 2 3 4 5 212 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	553.184	2020-12-12	17:00:01
##	1	BTCUSD	BTC	18394.400	2020-12-12	17:00:00
##	2	BTCUSD	BTC	18402.110	2020-12-12	16:00:01
##	3	ETHUSD	ETH	554.487	2020-12-12	16:00:01
##	4	BTCUSD	BTC	18371.130	2020-12-12	15:00:01
##						
##	5095	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	5096	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	5097	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	5098	BTCUSD	BTC	10686.880		NaT
##	5099	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_]
```

'upper 50th percentile of price 'lower 50th percentile of price # Show modified dataframe:

df[['symbol', 'ask_1_price', 'price_percentile']] price_percenti ## symbol ask_1_price ETH 553.184 lower 50th percentile of price ## 0

BTC 18394.400 upper 50th percentile of price ## 1 BTC 18402.110 upper 50th percentile of price ## 2 ## 3 ETH 554.487 lower 50th percentile of price 10071 100 ## / DTC unnam EO+h namaan+ila af nmia

Back to Gallery

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



