R Markdown Output

Last run on: 2021-05-06 06:30:55

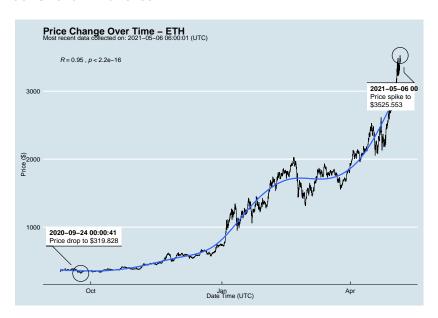
2021-05-06 06:30:55

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)

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_uto	С
##	0	ETHUSD	ETH	3449.948	2021-05-06 06:00:01	1
##	1	BTCUSD	BTC	57176.080	2021-05-06 06:00:00	Э
##	2	ETHUSD	ETH	3439.081	2021-05-06 05:00:01	1
##	3	BTCUSD	BTC	56950.000	2021-05-06 05:00:00	Э
##	4	ETHUSD	ETH	3468.646	2021-05-06 04:00:01	1
##					• • •	
##	12027	BTCUSD	BTC	11972.900	2020-08-10 06:03:50	Э
##	12028	BTCUSD	BTC	11985.890	2020-08-10 05:03:48	3
##	12029	BTCUSD	BTC	11997.470	2020-08-10 04:32:55	5
##	12030	BTCUSD	BTC	10686.880	Na	Γ
##	12031	ETHUSD	ETH	357.844	Nal	Γ

One more Python example

BTC

TTT

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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']]

```
##
         symbol
                 ask_1_price
                                              price_percent:
            ETH
                    3449.948
                               lower 50th percentile of price
## 0
                   57176.080
                               upper 50th percentile of price
## 1
            BTC
            ETH
                    3439.081
                               lower 50th percentile of price
## 2
```

upper 50th percentile of price

larram EO+h mamaan+ila af nmi

56950.000

2160 616