R Markdown Output

Last run on: 2021-05-01 06:12:15

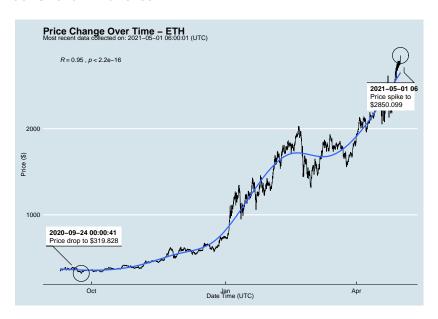
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Overview

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_utc	
##	0	ETHUSD	ETH	2850.099	2021-05-01 06:00:01	
##	1	BTCUSD	BTC	58148.120	2021-05-01 06:00:00	
##	2	BTCUSD	BTC	58082.830	2021-05-01 05:00:01	
##	3	ETHUSD	ETH	2844.988	2021-05-01 05:00:01	
##	4	ETHUSD	ETH	2838.063	2021-05-01 04:00:01	
##						
##	11787	BTCUSD	BTC	11972.900	2020-08-10 06:03:50	
##	11788	BTCUSD	BTC	11985.890	2020-08-10 05:03:48	
##	11789	BTCUSD	BTC	11997.470	2020-08-10 04:32:55	
##	11790	BTCUSD	BTC	10686.880	NaT	
##	11791	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']]

```
##
         symbol
                 ask_1_price
                                               price_percent:
            ETH
                     2850.099
                               lower 50th percentile of price
## 0
            BTC
                    58148.120
                               upper 50th percentile of price
## 1
```

BTC 58082.830 upper 50th percentile of price ## 2 ## 3 ETH 2844.988 lower 50th percentile of price ## / TTT 2020 062 larram EO+h namaan+ila af nmi