R Markdown Output

Last run on: 2021-02-07 06:28:53

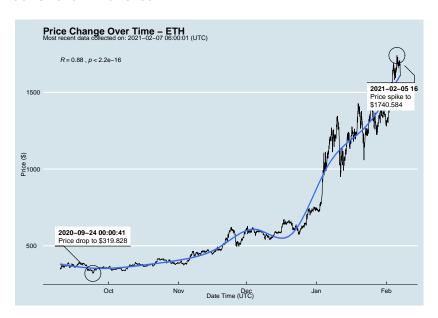
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Overview

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	1614.392	2021-02-07	06:00:01
##	1	BTCUSD	BTC	38522.630	2021-02-07	06:00:00
##	2	BTCUSD	BTC	38311.040	2021-02-07	05:00:01
##	3	ETHUSD	ETH	1607.039	2021-02-07	05:00:01
##	4	ETHUSD	ETH	1625.031	2021-02-07	04:00:01
##						
##	7809	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	7810	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	7811	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	7812	BTCUSD	BTC	10686.880		NaT
##	7813	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
                   1614.392
                             lower 50th percentile of price
## 0
```

upper 50th percentile of price ## 1 BTC 38522.630 BTC 38311.040 upper 50th percentile of price ## 2 ## 3 ETH 1607.039 lower 50th percentile of price ## / ETI 1605 001 larram EO+h namaan+ila af nmia