R Markdown Output

Last run on: 2020-12-20 06:27:00

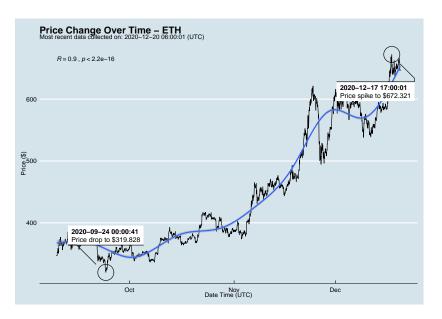
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Overview

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	648.147	2020-12-20	06:00:01
##	1	BTCUSD	BTC	23482.940	2020-12-20	06:00:00
##	2	ETHUSD	ETH	647.998	2020-12-20	05:00:01
##	3	BTCUSD	BTC	23432.510	2020-12-20	05:00:00
##	4	ETHUSD	ETH	646.178	2020-12-20	04:00:01
##						
##	5457	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	5458	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	5459	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	5460	BTCUSD	BTC	10686.880		NaT
##	5461	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']] ask_1_price price_percenti ## symbol ETH 648.147 lower 50th percentile of price ## 0

upper 50th percentile of price ## 1 BTC 23482.940 ETH 647.998 lower 50th percentile of price ## 2 ## 3 BTC 23432.510 upper 50th percentile of price ## / ETI 616 170 larram EO+h namaan+ila af nmia