R Markdown Output

Last run on: 2020-12-27 06:27:45

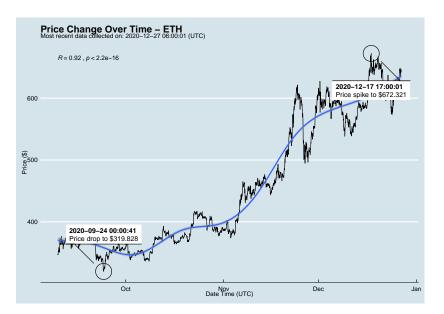
2020-12-27 06:27:45

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	645.734	2020-12-27	06:00:01
##	1	BTCUSD	BTC	26884.830	2020-12-27	06:00:00
##	2	ETHUSD	ETH	643.555	2020-12-27	05:00:01
##	3	BTCUSD	BTC	26746.830	2020-12-27	05:00:00
##	4	ETHUSD	ETH	643.294	2020-12-27	04:00:01
##						
##	5793	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	5794	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	5795	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	5796	BTCUSD	BTC	10686.880		NaT
##	5797	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 645.734 lower 50th percentile of price ## 0

26884.830 upper 50th percentile of price ## 1 BTC ETH 643.555 lower 50th percentile of price ## 2 ## 3 BTC 26746.830 upper 50th percentile of price ## / ETI 612 201 larram EO+h namaan+ila af nmia