R Markdown Output

Last run on: 2021-04-24 06:15:01

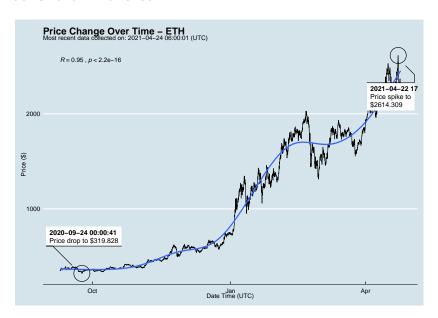
2021-04-24 06:15:01

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	$\mathtt{date_time_utc}$
##	0	ETHUSD	ETH	2316.761	2021-04-24 06:00:01
##	1	BTCUSD	BTC	50457.720	2021-04-24 06:00:00
##	2	ETHUSD	ETH	2309.425	2021-04-24 05:00:01
##	3	BTCUSD	BTC	50424.920	2021-04-24 05:00:00
##	4	ETHUSD	ETH	2298.055	2021-04-24 04:00:01
##					
##	11453	BTCUSD	BTC	11972.900	2020-08-10 06:03:50
##	11454	BTCUSD	BTC	11985.890	2020-08-10 05:03:48
##	11455	BTCUSD	BTC	11997.470	2020-08-10 04:32:55
##	11456	BTCUSD	BTC	10686.880	NaT
##	11457	ETHUSD	ETH	357.844	NaT

One more Python example

/

TTT

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 2316.761 lower 50th percentile of price ## 0

50457.720 upper 50th percentile of price ## 1 BTC ETH 2309.425 lower 50th percentile of price ## 2 ## 3 BTC 50424.920 upper 50th percentile of price

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2200 VEE