R Markdown Output

Last run on: 2021-04-27 06:13:39

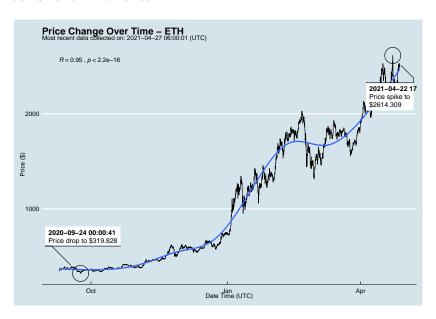
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Overview

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	2528.621	2021-04-27 06:00:01	
##	1	BTCUSD	BTC	53935.350	2021-04-27 06:00:00	
##	2	ETHUSD	ETH	2507.440	2021-04-27 05:00:01	
##	3	BTCUSD	BTC	53465.290	2021-04-27 05:00:00	
##	4	ETHUSD	ETH	2494.780	2021-04-27 04:00:01	
##						
##	11595	BTCUSD	BTC	11972.900	2020-08-10 06:03:50	
##	11596	BTCUSD	BTC	11985.890	2020-08-10 05:03:48	
##	11597	BTCUSD	BTC	11997.470	2020-08-10 04:32:55	
##	11598	BTCUSD	BTC	10686.880	NaT	
##	11599	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 2528.621 lower 50th percentile of price ## 0 53935.350 upper 50th percentile of price ## 1 BTC

ETH 2507.440 lower 50th percentile of price ## 2 ## 3 BTC 53465.290 upper 50th percentile of price 2/0/ 700 ## / TTT larram EO+h mamaan+ila af nmi