R Markdown Output

Last run on: 2021-04-29 06:12:32

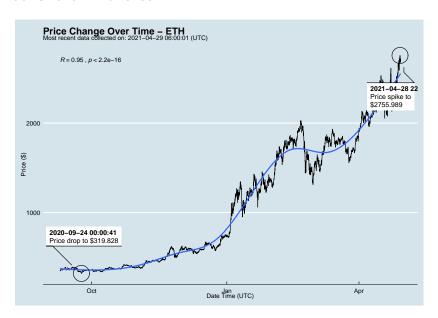
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Overview

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	$\mathtt{date_time_utc}$
##	0	ETHUSD	ETH	2719.689	2021-04-29 06:00:01
##	1	BTCUSD	BTC	53908.530	2021-04-29 06:00:00
##	2	ETHUSD	ETH	2678.450	2021-04-29 05:00:01
##	3	BTCUSD	BTC	53569.900	2021-04-29 05:00:00
##	4	ETHUSD	ETH	2695.738	2021-04-29 04:00:01
##					• • •
##	11691	BTCUSD	BTC	11972.900	2020-08-10 06:03:50
##	11692	BTCUSD	BTC	11985.890	2020-08-10 05:03:48
##	11693	BTCUSD	BTC	11997.470	2020-08-10 04:32:55
##	11694	BTCUSD	BTC	10686.880	NaT
##	11695	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 2719.689 lower 50th percentile of price ## 0

53908.530 upper 50th percentile of price ## 1 BTC ETH 2678.450 lower 50th percentile of price ## 2 ## 3 BTC 53569.900 upper 50th percentile of price 260E 720

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