R Markdown Output

Last run on: 2021-02-09 06:25:08

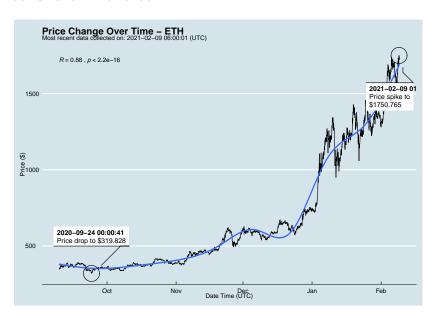
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Overview

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	1741.191	2021-02-09	06:00:01
##	1	BTCUSD	BTC	46864.330	2021-02-09	06:00:00
##	2	ETHUSD	ETH	1734.836	2021-02-09	05:00:01
##	3	BTCUSD	BTC	46828.590	2021-02-09	05:00:00
##	4	ETHUSD	ETH	1733.549	2021-02-09	04:00:01
##						
##	7905	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	7906	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	7907	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	7908	BTCUSD	BTC	10686.880		NaT
##	7909	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 price_percenti ## ask_1_price ETH 1741.191 lower 50th percentile of price ## 0

upper 50th percentile of price ## 1 BTC 46864.330 ETH 1734.836 lower 50th percentile of price ## 2 ## 3 BTC 46828.590 upper 50th percentile of price ## / ETI 1722 E/O larram EO+h namaan+ila af nmia