R Markdown Output

Last run on: 2021-02-10 06:27:31

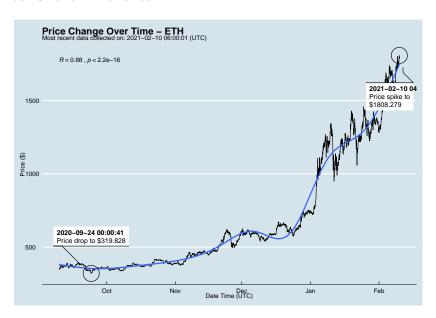
2021-02-10 06:27:31

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	1800.067	2021-02-10	06:00:01
##	1	BTCUSD	BTC	46142.640	2021-02-10	06:00:00
##	2	ETHUSD	ETH	1787.408	2021-02-10	05:00:01
##	3	BTCUSD	BTC	46012.670	2021-02-10	05:00:00
##	4	ETHUSD	ETH	1808.279	2021-02-10	04:00:01
##						
##	7953	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	7954	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	7955	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	7956	BTCUSD	BTC	10686.880		NaT
##	7957	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 1800.067 lower 50th percentile of price ## 0

upper 50th percentile of price ## 1 BTC 46142.640 ETH 1787.408 lower 50th percentile of price ## 2 ## 3 BTC 46012.670 upper 50th percentile of price ## / ETI 1000 070 larram EO+h namaan+ila af nmia