R Markdown Output

Last run on: 2021-01-05 06:33:40

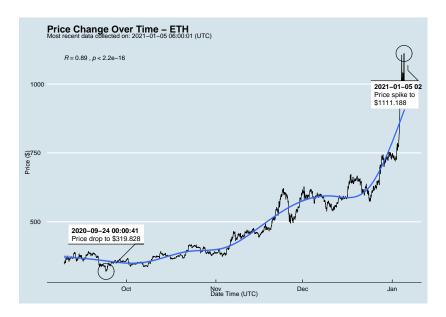
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Overview

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	BTCUSD	BTC	30439.180	2021-01-05	06:00:01
##	1	ETHUSD	ETH	988.998	2021-01-05	06:00:01
##	2	ETHUSD	ETH	1003.961	2021-01-05	05:00:01
##	3	BTCUSD	BTC	30857.580	2021-01-05	05:00:00
##	4	BTCUSD	BTC	31176.000	2021-01-05	04:00:01
##						
##	6225	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	6226	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	6227	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	6228	BTCUSD	BTC	10686.880		NaT
##	6229	ETHUSD	ETH	357.844		NaT

One more Python example

BTC

0

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']] price_percenti ## symbol ask_1_price

upper 50th percentile of price

988.998 lower 50th percentile of price ## 1 ETH ETH 1003.961 lower 50th percentile of price ## 2 ## 3 BTC 30857.580 upper 50th percentile of price ## / DTC 21176 000 unner EO+h nergen+ile of nuice

30439.180