R Markdown Output

Last run on: 2021-02-23 06:31:46

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
                           1619.354 2021-02-23 06:00:01
## 1
         BTCUSD
                          49993.180 2021-02-23 06:00:00
## 2
         BTCUSD
                          50750.000 2021-02-23 05:00:01
                   BTC
## 3
         ETHUSD
                   ETH
                          1628.290 2021-02-23 05:00:01
## 4
         BTCUSD
                   BTC
                          51891.320 2021-02-23 04:00:01
            . . .
## 8577 BTCUSD
                   BTC
                          11972.900 2020-08-10 06:03:50
## 8578 BTCUSD
                   BTC
                          11985.890 2020-08-10 05:03:48
                          11997.470 2020-08-10 04:32:55
## 8579 BTCUSD
                   BTC
## 8580 BTCUSD
                   BTC
                          10686.880
                                                     NaT
## 8581 ETHUSD
                   ETH
                            357.844
                                                     NaT
##
## [8582 rows x 4 columns]
```

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):

```
##
        symbol ask_1_price
                                            price_percentile
## 0
           ETH
                   1619.354 lower 50th percentile of prices
## 1
           BTC
                  49993.180 upper 50th percentile of prices
## 2
           BTC
                  50750.000 upper 50th percentile of prices
## 3
           ETH
                   1628.290 lower 50th percentile of prices
## 4
           BTC
                  51891.320 upper 50th percentile of prices
## ...
           . . .
## 8577
           BTC
                  11972.900
                             upper 50th percentile of prices
## 8578
           BTC
                  11985.890 upper 50th percentile of prices
## 8579
           BTC
                  11997.470 upper 50th percentile of prices
## 8580
           BTC
                  10686.880
                             upper 50th percentile of prices
## 8581
           ETH
                    357.844 lower 50th percentile of prices
##
## [8582 rows x 3 columns]
```