R Markdown Output

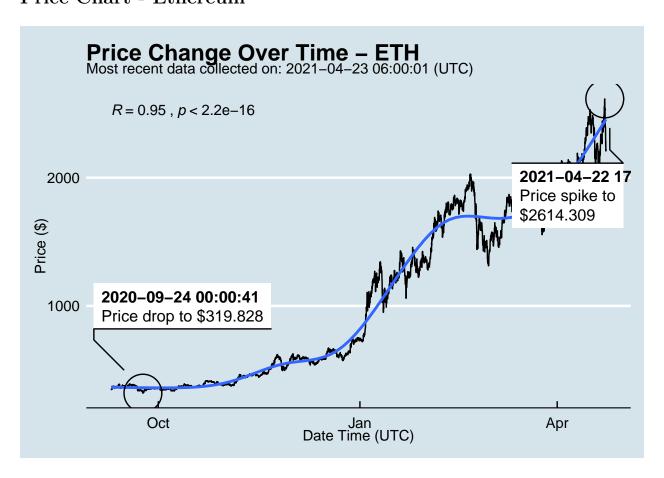
Last run on: 2021-04-23 06:16:13

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
                            2225.000 2021-04-23 06:00:01
## 1
          BTCUSD
                    BTC
                           49504.880 2021-04-23 06:00:00
## 2
          ETHUSD
                    ETH
                            2208.537 2021-04-23 05:00:01
## 3
          BTCUSD
                    BTC
                           49139.240 2021-04-23 05:00:00
## 4
          ETHUSD
                    ETH
                            2280.555 2021-04-23 04:00:01
  . . .
                    . . .
## 11405 BTCUSD
                    BTC
                           11972.900 2020-08-10 06:03:50
## 11406 BTCUSD
                    BTC
                           11985.890 2020-08-10 05:03:48
                    BTC
                           11997.470 2020-08-10 04:32:55
## 11407 BTCUSD
## 11408 BTCUSD
                    BTC
                           10686.880
## 11409 ETHUSD
                    ETH
                             357.844
                                                      NaT
##
## [11410 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
                    2225.000
                              lower 50th percentile of prices
## 1
            BTC
                   49504.880
                              upper 50th percentile of prices
## 2
            ETH
                    2208.537
                              lower 50th percentile of prices
## 3
            BTC
                   49139.240
                              upper 50th percentile of prices
## 4
            ETH
                    2280.555
                              lower 50th percentile of prices
## ...
## 11405
            BTC
                   11972.900
                              upper 50th percentile of prices
            BTC
## 11406
                   11985.890
                              upper 50th percentile of prices
## 11407
            BTC
                   11997.470
                              upper 50th percentile of prices
## 11408
            BTC
                   10686.880
                              upper 50th percentile of prices
## 11409
            ETH
                              lower 50th percentile of prices
                     357.844
##
## [11410 rows x 3 columns]
```