R Markdown Output

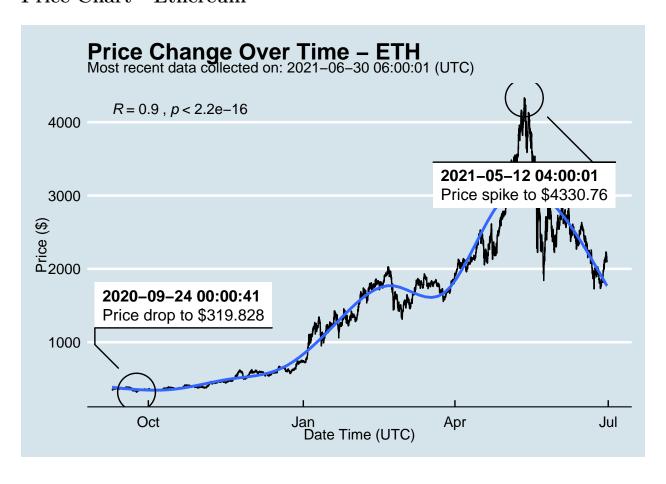
Last run on: 2021-06-30 06:13:20

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
                            2116.147 2021-06-30 06:00:01
## 1
          BTCUSD
                    BTC
                           34785.290 2021-06-30 06:00:00
## 2
          BTCUSD
                    BTC
                           34756.490 2021-06-30 05:00:01
## 3
          ETHUSD
                    ETH
                            2095.282 2021-06-30 05:00:01
## 4
          ETHUSD
                    ETH
                            2126.147 2021-06-30 04:00:01
                    . . .
## 14663 BTCUSD
                    BTC
                           11972.900 2020-08-10 06:03:50
## 14664 BTCUSD
                    BTC
                           11985.890 2020-08-10 05:03:48
                    BTC
                           11997.470 2020-08-10 04:32:55
## 14665 BTCUSD
## 14666 BTCUSD
                    BTC
                           10686.880
## 14667 ETHUSD
                    ETH
                             357.844
                                                      NaT
##
## [14668 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
                    2116.147
                              lower 50th percentile of prices
## 1
            BTC
                   34785.290
                              upper 50th percentile of prices
## 2
            BTC
                   34756.490
                              upper 50th percentile of prices
## 3
            ETH
                    2095.282
                              lower 50th percentile of prices
## 4
            ETH
                    2126.147
                              lower 50th percentile of prices
## ...
## 14663
            BTC
                   11972.900
                              upper 50th percentile of prices
            BTC
## 14664
                   11985.890
                              upper 50th percentile of prices
## 14665
            BTC
                   11997.470
                              upper 50th percentile of prices
## 14666
            BTC
                   10686.880
                              upper 50th percentile of prices
## 14667
            ETH
                              lower 50th percentile of prices
                     357.844
##
## [14668 rows x 3 columns]
```