R Markdown Output

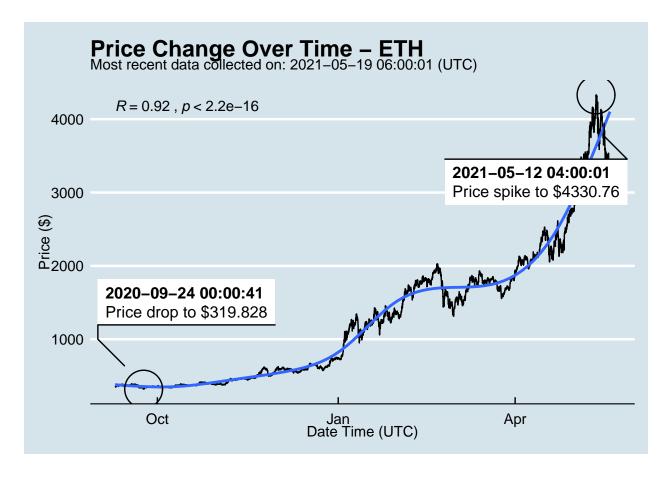
Last run on: 2021-05-19 06:12:37

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
                            2904.554 2021-05-19 06:00:01
## 1
          BTCUSD
                    BTC
                           39233.390 2021-05-19 06:00:00
## 2
          ETHUSD
                    ETH
                            2919.742 2021-05-19 05:00:01
## 3
          BTCUSD
                    BTC
                           39278.600 2021-05-19 05:00:00
## 4
          ETHUSD
                    ETH
                            3098.714 2021-05-19 04:00:01
  . . .
                    . . .
## 12649 BTCUSD
                    BTC
                           11972.900 2020-08-10 06:03:50
## 12650 BTCUSD
                    BTC
                           11985.890 2020-08-10 05:03:48
                    BTC
                           11997.470 2020-08-10 04:32:55
## 12651 BTCUSD
## 12652 BTCUSD
                    BTC
                           10686.880
## 12653 ETHUSD
                    ETH
                             357.844
                                                      NaT
##
## [12654 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
                    2904.554
                              lower 50th percentile of prices
## 1
           BTC
                   39233.390
                              upper 50th percentile of prices
## 2
            ETH
                    2919.742
                              lower 50th percentile of prices
## 3
           BTC
                   39278.600
                              upper 50th percentile of prices
## 4
            ETH
                    3098.714
                              lower 50th percentile of prices
## ...
## 12649
            BTC
                   11972.900
                              upper 50th percentile of prices
            BTC
## 12650
                   11985.890
                              upper 50th percentile of prices
## 12651
            BTC
                   11997.470
                              upper 50th percentile of prices
## 12652
            BTC
                              upper 50th percentile of prices
                   10686.880
## 12653
            ETH
                              lower 50th percentile of prices
                     357.844
##
## [12654 rows x 3 columns]
```