R Markdown Output

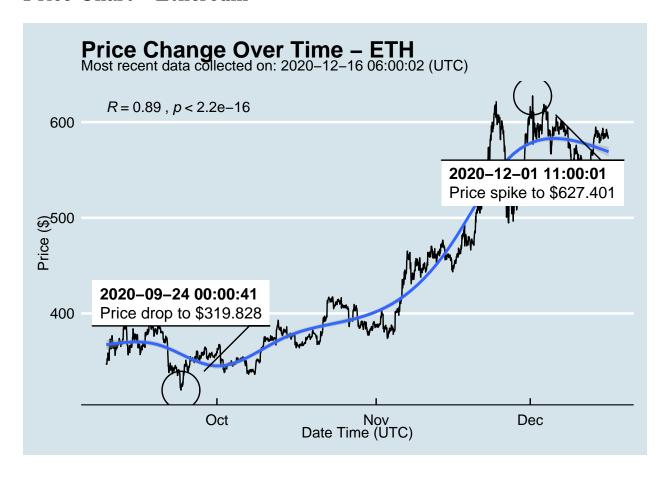
Last run on: 2020-12-16 06:13:17

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
                            583.507 2020-12-16 06:00:02
## 1
         BTCUSD
                          19367.630 2020-12-16 06:00:00
## 2
         BTCUSD
                          19351.160 2020-12-16 05:00:01
                   BTC
## 3
         ETHUSD
                   ETH
                            583.321 2020-12-16 05:00:01
## 4
         ETHUSD
                   ETH
                            583.142 2020-12-16 04:00:01
            . . .
## 5265 BTCUSD
                   BTC
                          11972.900 2020-08-10 06:03:50
## 5266 BTCUSD
                   BTC
                          11985.890 2020-08-10 05:03:48
                          11997.470 2020-08-10 04:32:55
## 5267 BTCUSD
                   BTC
## 5268 BTCUSD
                   BTC
                          10686.880
                                                     NaT
## 5269 ETHUSD
                   ETH
                            357.844
                                                     NaT
##
## [5270 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
                    583.507
                            lower 50th percentile of prices
## 1
           BTC
                  19367.630 upper 50th percentile of prices
## 2
           BTC
                  19351.160 upper 50th percentile of prices
## 3
           ETH
                    583.321 lower 50th percentile of prices
## 4
           ETH
                    583.142 lower 50th percentile of prices
## ...
## 5265
           BTC
                  11972.900 upper 50th percentile of prices
## 5266
           BTC
                  11985.890 upper 50th percentile of prices
## 5267
           BTC
                  11997.470 upper 50th percentile of prices
## 5268
           BTC
                  10686.880 upper 50th percentile of prices
## 5269
           ETH
                    357.844 lower 50th percentile of prices
##
## [5270 rows x 3 columns]
```