R Markdown Output

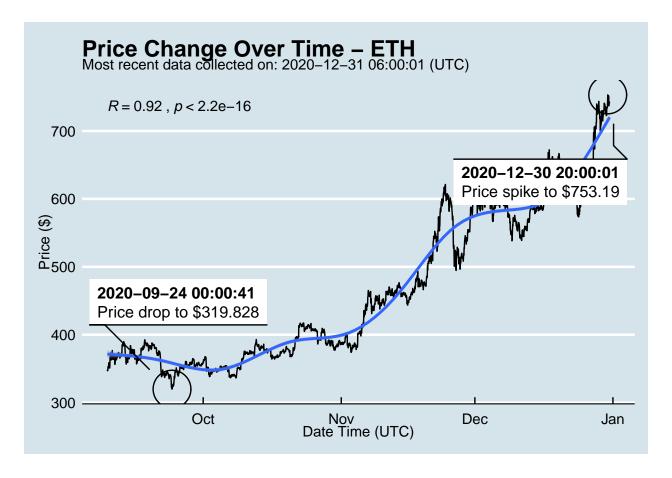
Last run on: 2020-12-31 06:33:36

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
         BTCUSD
                   BTC
                          28969.180 2020-12-31 06:00:01
## 1
         ETHUSD
                            741.067 2020-12-31 06:00:01
## 2
         BTCUSD
                   BTC
                          29024.380 2020-12-31 05:00:01
## 3
         ETHUSD
                   ETH
                            742.639 2020-12-31 05:00:01
## 4
         BTCUSD
                   BTC
                          29025.750 2020-12-31 04:00:01
            . . .
                   . . .
## 5985 BTCUSD
                   BTC
                          11972.900 2020-08-10 06:03:50
## 5986
        BTCUSD
                   BTC
                          11985.890 2020-08-10 05:03:48
                          11997.470 2020-08-10 04:32:55
## 5987
        BTCUSD
                   BTC
## 5988 BTCUSD
                   BTC
                          10686.880
                                                     NaT
## 5989 ETHUSD
                   ETH
                            357.844
                                                     NaT
##
## [5990 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
           BTC
                  28969.180 upper 50th percentile of prices
## 1
           ETH
                    741.067 lower 50th percentile of prices
## 2
           BTC
                  29024.380 upper 50th percentile of prices
## 3
           ETH
                    742.639 lower 50th percentile of prices
## 4
           BTC
                  29025.750 upper 50th percentile of prices
## ...
           . . .
## 5985
           BTC
                  11972.900
                             upper 50th percentile of prices
## 5986
           BTC
                  11985.890 upper 50th percentile of prices
## 5987
           BTC
                  11997.470 upper 50th percentile of prices
## 5988
           BTC
                  10686.880
                             upper 50th percentile of prices
## 5989
           ETH
                    357.844 lower 50th percentile of prices
##
## [5990 rows x 3 columns]
```