# R Markdown Output

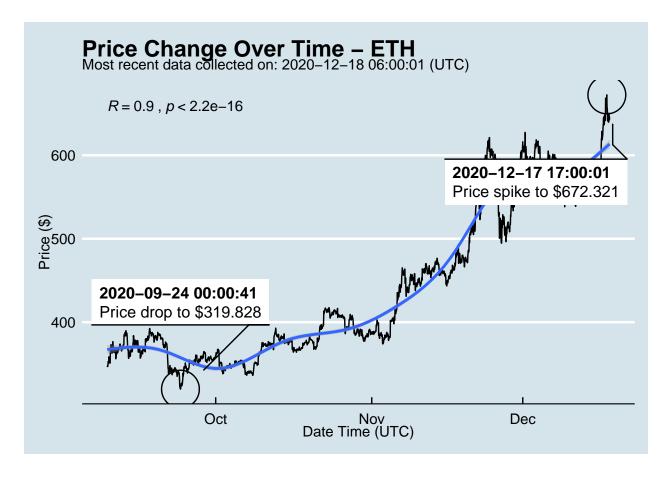
Last run on: 2020-12-18 06:28:37

### 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
                            646.072 2020-12-18 06:00:01
## 1
         BTCUSD
                          22961.590 2020-12-18 06:00:00
## 2
         ETHUSD
                            642.426 2020-12-18 05:00:01
                   ETH
## 3
         BTCUSD
                   BTC
                          22866.880 2020-12-18 05:00:00
## 4
         ETHUSD
                   ETH
                            643.288 2020-12-18 04:00:01
            . . .
## 5361 BTCUSD
                   BTC
                          11972.900 2020-08-10 06:03:50
## 5362 BTCUSD
                   BTC
                          11985.890 2020-08-10 05:03:48
                          11997.470 2020-08-10 04:32:55
## 5363 BTCUSD
                   BTC
## 5364 BTCUSD
                   BTC
                          10686.880
                                                     NaT
## 5365 ETHUSD
                   ETH
                            357.844
                                                     NaT
##
## [5366 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
                    646.072 lower 50th percentile of prices
## 1
           BTC
                  22961.590 upper 50th percentile of prices
## 2
           ETH
                    642.426 lower 50th percentile of prices
## 3
           BTC
                  22866.880 upper 50th percentile of prices
## 4
           ETH
                    643.288 lower 50th percentile of prices
## ...
## 5361
           BTC
                  11972.900 upper 50th percentile of prices
## 5362
           BTC
                  11985.890 upper 50th percentile of prices
## 5363
           BTC
                  11997.470 upper 50th percentile of prices
## 5364
           BTC
                  10686.880
                             upper 50th percentile of prices
## 5365
           ETH
                    357.844 lower 50th percentile of prices
##
## [5366 rows x 3 columns]
```