# R Markdown Output

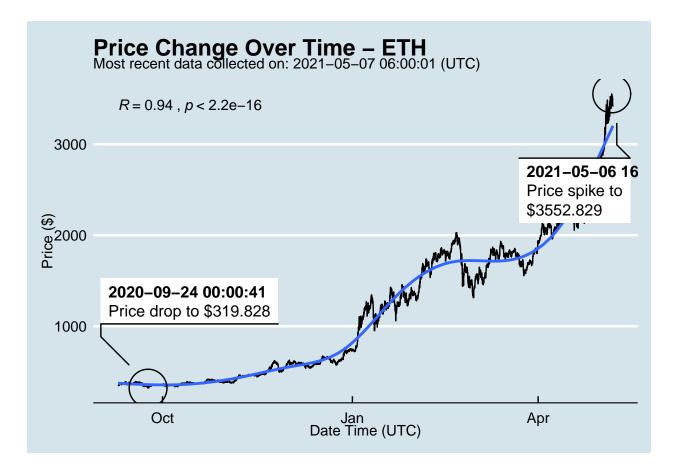
Last run on: 2021-05-07 06:30:29

#### 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
                            3413.896 2021-05-07 06:00:01
## 1
          BTCUSD
                    BTC
                           55798.170 2021-05-07 06:00:00
## 2
          ETHUSD
                    ETH
                            3420.208 2021-05-07 05:00:01
## 3
          BTCUSD
                    BTC
                           55845.750 2021-05-07 05:00:00
## 4
          BTCUSD
                    BTC
                           55730.220 2021-05-07 04:00:01
                    . . .
## 12075 BTCUSD
                    BTC
                           11972.900 2020-08-10 06:03:50
## 12076 BTCUSD
                    BTC
                           11985.890 2020-08-10 05:03:48
                    BTC
                           11997.470 2020-08-10 04:32:55
## 12077 BTCUSD
## 12078 BTCUSD
                    BTC
                           10686.880
## 12079 ETHUSD
                    ETH
                             357.844
                                                      NaT
##
## [12080 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
                    3413.896
                              lower 50th percentile of prices
## 1
            BTC
                   55798.170
                              upper 50th percentile of prices
## 2
            ETH
                    3420.208
                              lower 50th percentile of prices
## 3
            BTC
                   55845.750
                              upper 50th percentile of prices
## 4
            BTC
                   55730.220
                              upper 50th percentile of prices
## ...
## 12075
            BTC
                   11972.900
                              upper 50th percentile of prices
            BTC
## 12076
                   11985.890
                              upper 50th percentile of prices
## 12077
            BTC
                   11997.470
                              upper 50th percentile of prices
## 12078
            BTC
                   10686.880
                              upper 50th percentile of prices
## 12079
            ETH
                              lower 50th percentile of prices
                     357.844
##
## [12080 rows x 3 columns]
```