# R Markdown Output

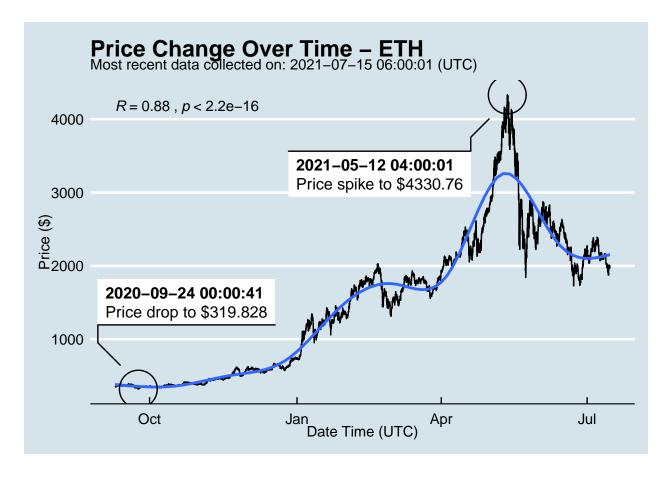
Last run on: 2021-07-15 06:12:39

### 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
                            1964.267 2021-07-15 06:00:01
## 1
          BTCUSD
                    BTC
                           32583.050 2021-07-15 06:00:00
## 2
         BTCUSD
                    BTC
                           32673.000 2021-07-15 05:00:01
## 3
          ETHUSD
                    ETH
                            1973.606 2021-07-15 05:00:01
## 4
          BTCUSD
                    BTC
                           32651.650 2021-07-15 04:00:01
                    . . .
## 15220 BTCUSD
                    BTC
                           11921.180 2020-08-16 04:03:55
## 15221 BTCUSD
                    BTC
                           11877.910 2020-08-16 03:03:52
## 15222 BTCUSD
                    BTC
                           11875.600 2020-08-16 02:04:00
## 15223 BTCUSD
                    BTC
                           11822.170 2020-08-16 01:04:00
## 15224 BTCUSD
                    BTC
                           11860.060 2020-08-16 00:03:57
##
## [15225 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
                    1964.267
                              lower 50th percentile of prices
## 1
           BTC
                   32583.050
                              upper 50th percentile of prices
## 2
            BTC
                   32673.000
                              upper 50th percentile of prices
                    1973.606
## 3
            ETH
                              lower 50th percentile of prices
## 4
            BTC
                   32651.650
                              upper 50th percentile of prices
## ...
## 15220
            BTC
                   11921.180
                              upper 50th percentile of prices
            BTC
## 15221
                              upper 50th percentile of prices
                   11877.910
## 15222
            BTC
                   11875.600
                              upper 50th percentile of prices
## 15223
            BTC
                              upper 50th percentile of prices
                   11822.170
## 15224
            BTC
                              upper 50th percentile of prices
                   11860.060
##
## [15225 rows x 3 columns]
```