# R Markdown Output

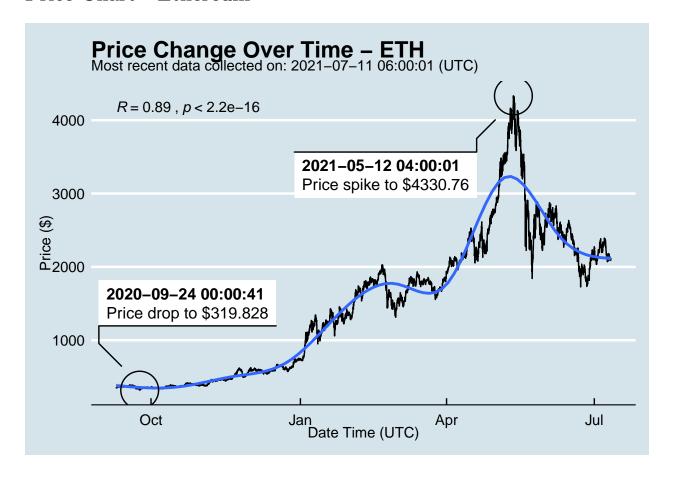
Last run on: 2021-07-11 06:14:34

#### 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
                            2099.617 2021-07-11 06:00:01
## 1
          BTCUSD
                    BTC
                           33579.600 2021-07-11 06:00:00
## 2
          ETHUSD
                    ETH
                            2094.423 2021-07-11 05:00:01
## 3
          BTCUSD
                    BTC
                           33463.920 2021-07-11 05:00:00
## 4
          ETHUSD
                    ETH
                            2091.950 2021-07-11 04:00:01
  . . .
                    . . .
## 15125 BTCUSD
                    BTC
                           11573.270 2020-08-13 00:03:52
## 15126 BTCUSD
                    BTC
                           11266.550 2020-08-12 03:03:52
## 15127 BTCUSD
                    BTC
                           11331.140 2020-08-12 02:03:56
## 15128 BTCUSD
                    BTC
                           11346.560 2020-08-12 01:03:56
## 15129 BTCUSD
                    BTC
                           11372.920 2020-08-12 00:03:55
##
## [15130 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
                    2099.617
                              lower 50th percentile of prices
## 1
           BTC
                   33579.600
                              upper 50th percentile of prices
## 2
            ETH
                    2094.423
                              lower 50th percentile of prices
                   33463.920
## 3
           BTC
                              upper 50th percentile of prices
## 4
            ETH
                    2091.950
                              lower 50th percentile of prices
## ...
## 15125
            BTC
                   11573.270
                              upper 50th percentile of prices
            BTC
## 15126
                   11266.550
                              upper 50th percentile of prices
## 15127
            BTC
                   11331.140
                              upper 50th percentile of prices
## 15128
            BTC
                              upper 50th percentile of prices
                   11346.560
## 15129
            BTC
                              upper 50th percentile of prices
                   11372.920
##
## [15130 rows x 3 columns]
```