R Markdown Output

Overview

This document has code embedded throughout. In the next section we will create a visualization using the already loaded dataset `eth_data`:

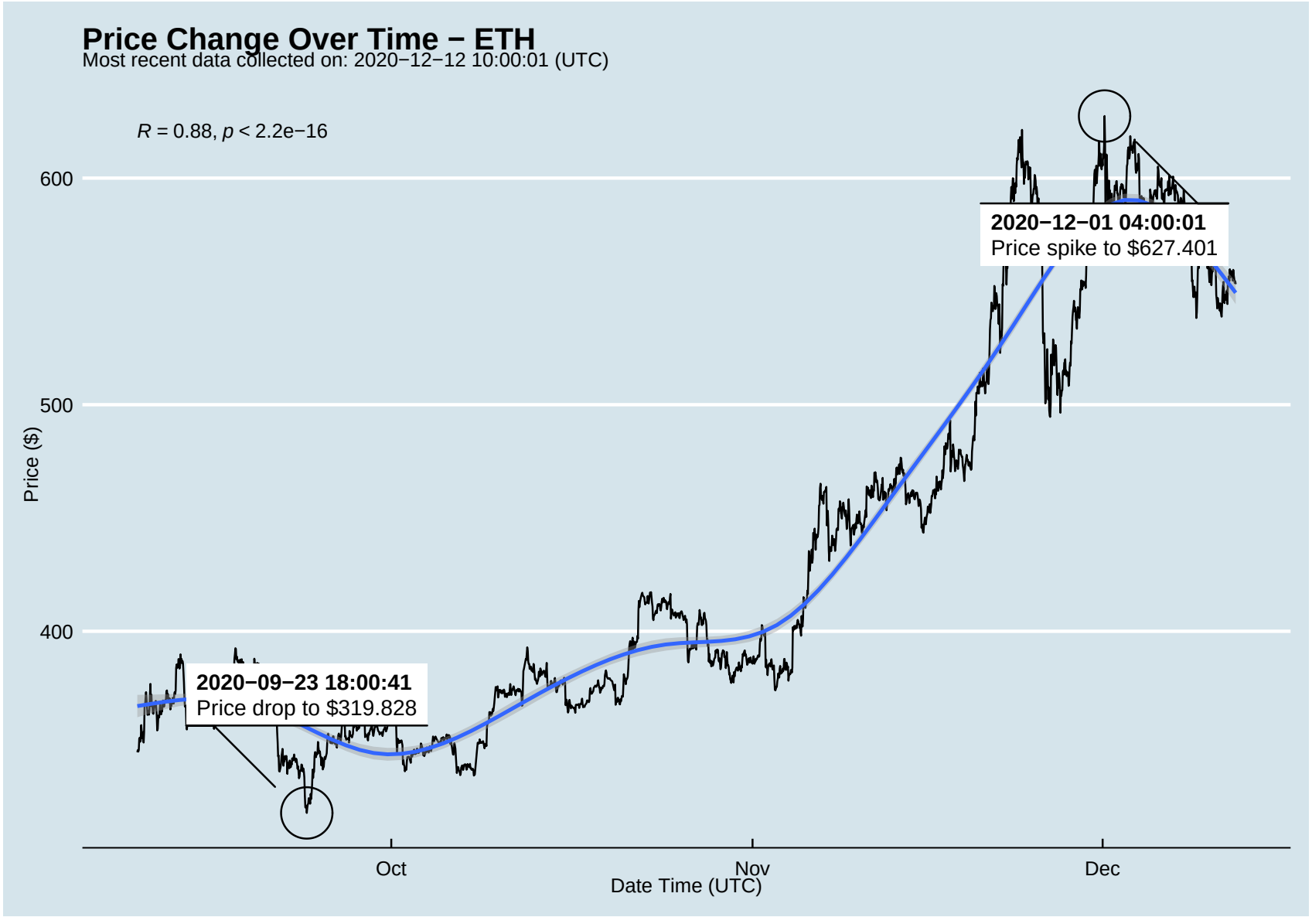
```
datatable(eth_data)
```

Show 10 entries Search:

	pair	symbol	ask_1_price	date_time_utc
1	ETHUSD	ETH	553.184	2020-12-12T17:00:01Z
2	ETHUSD	ETH	554.487	2020-12-12T16:00:01Z
3	ETHUSD	ETH	553.77	2020-12-12T15:00:01Z
4	ETHUSD	ETH	555.539	2020-12-12T14:00:01Z
5	ETHUSD	ETH	557.14	2020-12-12T13:00:01Z
6	ETHUSD	ETH	559.517	2020-12-12T12:00:01Z
7	ETHUSD	ETH	554.736	2020-12-12T11:00:01Z
8	ETHUSD	ETH	556.452	2020-12-12T10:00:01Z
9	ETHUSD	ETH	557.268	2020-12-12T09:00:01Z
10	ETHUSD	ETH	558.965	2020-12-12T08:00:01Z

Showing 1 to 10 of 2,112 entries Previous 1 2 3 4 5 … 212 Next

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      553.184 2020-12-12 17:00:01
## 1      BTCUSD    BTC    18394.400 2020-12-12 17:00:00
## 2      BTCUSD    BTC    18402.110 2020-12-12 16:00:01
## 3      ETHUSD    ETH      554.487 2020-12-12 16:00:01
## 4      BTCUSD    BTC    18371.130 2020-12-12 15:00:01
## ...       ...    ...          ...                 ...
## 5095   BTCUSD    BTC    11972.900 2020-08-10 06:03:50
## 5096   BTCUSD    BTC    11985.890 2020-08-10 05:03:48
## 5097   BTCUSD    BTC    11997.470 2020-08-10 04:32:55
## 5098   BTCUSD    BTC    10686.880                 NaT
## 5099   ETHUSD    ETH      357.844                 NaT
```

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):

```
import numpy as np
# Create a new column based on the ask_1_price value:
df['price_percentile'] = np.where(df['ask_1_price'] >
                                  np.percentile(df['ask_1_p
                                 'upper 50th percentile of price
                                 'lower 50th percentile of price
# Show modified dataframe:
df[['symbol', 'ask_1_price', 'price_percentile']]
```

```
##       symbol  ask_1_price                    price_percentil
## 0        ETH      553.184  lower 50th percentile of price
## 1        BTC    18394.400  upper 50th percentile of price
## 2        BTC    18402.110  upper 50th percentile of price
## 3        ETH      554.487  lower 50th percentile of price
## 4        BTC    18371.130  upper 50th percentile of price
```

Back to Gallery

```
include_url("https://r-markdown-gallery.org")
```