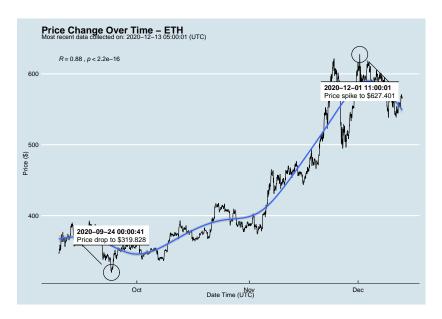
# R Markdown Output

#### 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)

#### 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 <sub>.</sub>	_time_utc
##	0	ETHUSD	ETH	567.918	2020-12-13	05:00:01
##	1	BTCUSD	BTC	18852.250	2020-12-13	05:00:00
##	2	BTCUSD	BTC	18789.930	2020-12-13	04:00:01
##	3	ETHUSD	ETH	565.498	2020-12-13	04:00:01
##	4	ETHUSD	ETH	566.401	2020-12-13	03:00:01
##						
##	5119	BTCUSD	BTC	11972.900	2020-08-10	06:03:50
##	5120	BTCUSD	BTC	11985.890	2020-08-10	05:03:48
##	5121	BTCUSD	BTC	11997.470	2020-08-10	04:32:55
##	5122	BTCUSD	BTC	10686.880		NaT
##	5123	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_]
                             'upper 50th percentile of price
                             'lower 50th percentile of price
# Show modified dataframe:
df[['symbol', 'ask_1_price', 'price_percentile']]
```

```
ask_1_price
                                             price_percenti
##
        symbol
           ETH
                    567.918
                             lower 50th percentile of price
## 0
```

upper 50th percentile of price ## 1 BTC 18852.250 BTC 18789.930 upper 50th percentile of price ## 2 ## 3 ETH 565.498 lower 50th percentile of price ## / TTT ECC 101 larram EO+h namaan+ila af nmia

### Back to Gallery

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