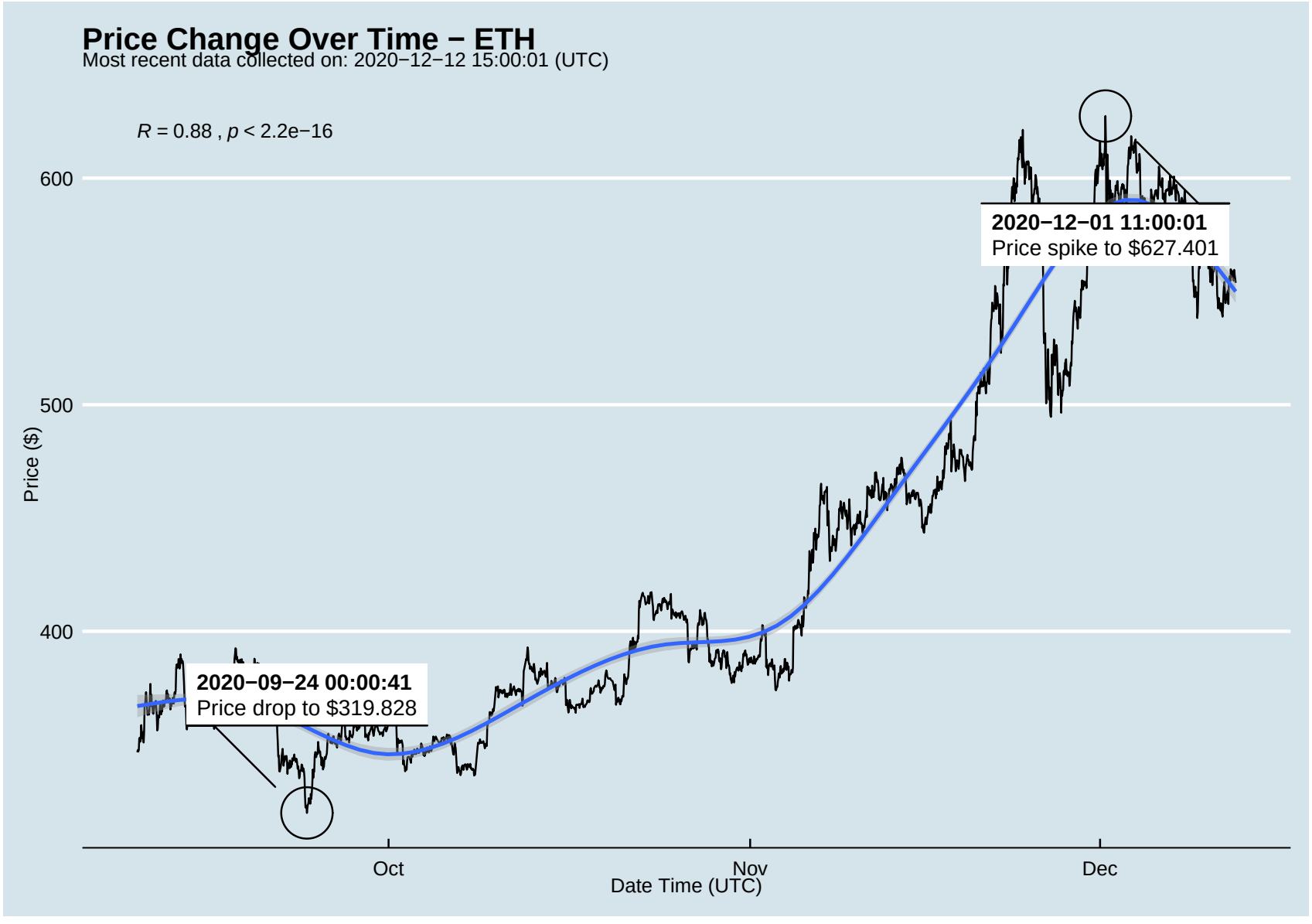
Example Presentation

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


Price Change Over Time – ETH
Most recent data collected on: 2020−12−12 15:00:01 (UTC)
R = 0.88 , p < 2.2e−16
600
500
400
Price ($)
2020−12−01 11:00:01
Price spike to $627.401
2020−09−24 00:00:41
Price drop to $319.828
Oct
Nov
Dec
Date Time (UTC)

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      BTCUSD    BTC    18371.130 2020-12-12 15:00:01
## 1      ETHUSD    ETH      553.770 2020-12-12 15:00:01
## 2      ETHUSD    ETH      555.539 2020-12-12 14:00:01
## 3      BTCUSD    BTC    18400.890 2020-12-12 14:00:00
## 4      ETHUSD    ETH      557.140 2020-12-12 13:00:01
## ...       ...    ...          ...                 ...
## 5091   BTCUSD    BTC    11972.900 2020-08-10 06:03:50
## 5092   BTCUSD    BTC    11985.890 2020-08-10 05:03:48
## 5093   BTCUSD    BTC    11997.470 2020-08-10 04:32:55
## 5094   BTCUSD    BTC    10686.880                 NaT
## 5095   ETHUSD    ETH      357.844                 NaT
```

One more Python example

Press on `w` on your keyboard to make the presentation wider. Press `f` to fullscreen.

```
import numpy as np
# Create a new field 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        BTC    18371.130  upper 50th percentile of price
## 1        ETH      553.770  lower 50th percentile of price
## 2        ETH      555.539  lower 50th percentile of price
## 3        BTC    18400.890  upper 50th percentile of price
## 4        ETH      557.140  lower 50th percentile of price
##
```

Back to Gallery

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