

## 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 16:00:01 (UTC)

$R = 0.88$  ,  $p < 2.2e-16$



## 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    18402.110 2020-12-12 16:00:01
## 1      ETHUSD   ETH      554.487 2020-12-12 16:00:01
## 2      BTCUSD   BTC    18371.130 2020-12-12 15:00:01
## 3      ETHUSD   ETH      553.770 2020-12-12 15:00:01
## 4      ETHUSD   ETH      555.539 2020-12-12 14:00:01
## ...      ...      ...           ...           ...
## 5093 BTCUSD   BTC    11972.900 2020-08-10 06:03:50
## 5094 BTCUSD   BTC    11985.890 2020-08-10 05:03:48
## 5095 BTCUSD   BTC    11997.470 2020-08-10 04:32:55
## 5096 BTCUSD   BTC    10686.880                NaT
## 5097 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_price'],
                                                  '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_percentile
	## 0	BTC	18402.110	upper 50th percentile of price
	## 1	ETH	554.487	lower 50th percentile of price
	## 2	BTC	18371.130	upper 50th percentile of price
	## 3	ETH	553.770	lower 50th percentile of price
	## 4	ETH	555.539	lower 50th percentile of price
	##			

## Back to Gallery

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