# ▼ Litecoin Price History

### Tutorial

This tutorial, inspired by the obsolete by now post on <a href="https://notebooks.ai">https://notebooks.ai</a>, we're going to pull Bitcoin cryptocurrency prices from a public API and download them as Excel files. I need to import two libraries first: requests (to pull data from the web) and pandas to process it. May require pip install requests

```
import requests
# !pip install -q pandas
import pandas as pd
import matplotlib.pyplot as plt
```

I have a predefined function that simplifies the process of importing data from Cryptocompare (for reference, check their website and documentation).

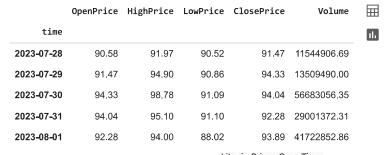
```
def get_historic_price(symbol, exchange='bitfinex', days=100):
    url = f'https://min-api.cryptocompare.com/data/v2/histoday'
    params = {
        'fsym': symbol,
        'tsym': 'USD',
        'limit': days, # maximum records per request
        #'exchange': exchange
    }
    resp = requests.get(url, params=params)
    resp.raise_for_status()

    data_dict = resp.json()['Data']['Data']
    df = pd.DataFrame(data_dict)
    df['time'] = pd.to_datetime(df['time'], unit='s')
    df.set_index('time', inplace=True)
    df = df[['open', 'high', 'low', 'close', 'volumeto']]
    df.columns = ['OpenPrice', 'HighPrice', 'LowPrice', 'ClosePrice', 'Volume']
    return df
```

We will now pull data from Bitcoin, the most popular cryptocurrencies, for the last 100 days, and plot it:

```
# Example call
df = get_historic_price('LTC', days = 100)
display(df.head())

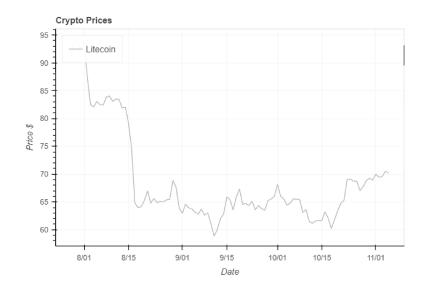
# Plotting OHLC Prices
df['ClosePrice'].plot(figsize=(12, 6))
plt.title("Litcoin Prices Over Time")
plt.ylabel("Price (USD)")
plt.show()
```



Litcoin Prices Over Time



## ▼ Dynamic plots with Bokeh



# ▼ Exporting to Excel

```
!pip install -q openpyxl
import openpyxl
writer = pd.ExcelWriter('LitCoin_history.xlsx')
df.to_excel(writer, sheet_name='LitCoin')
writer.close()
```

## Exporting to CSV

```
df.to_csv('LitCoin_history.csv')
```