

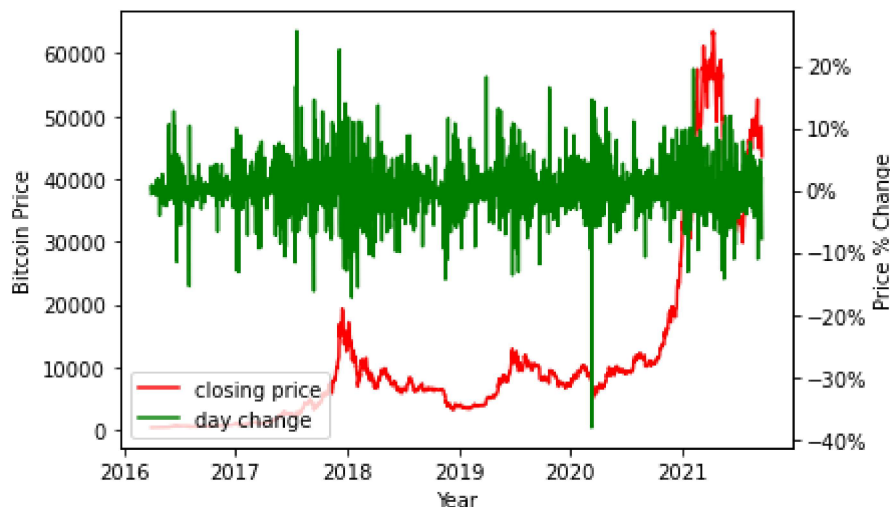
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In [14]: import pandas as pd
import json
import requests
import matplotlib.pyplot as plt
import matplotlib.ticker as mtick

#pull in data as dataframe
endpoint = 'https://min-api.cryptocompare.com/data/histoday'
res = requests.get(endpoint + '?fsym=BTC&tsym=USD&limit=2000')
BTC = pd.DataFrame(json.loads(res.content)['Data'])

#set time column as index and change to date format
BTC = BTC.set_index('time')
BTC.index = pd.to_datetime(BTC.index, unit='s')

#visualize
ax1 = plt.subplot()
l1, = ax1.plot(BTC['close'], color='red')
ax2 = ax1.twinx()
l2, = ax2.plot((BTC['close']-BTC['open'])/BTC['open'], color='green')
ax1.set(xlabel="Year", ylabel="Bitcoin Price")
ax2.set(xlabel="Year", ylabel="Price % Change")
ax2.yaxis.set_major_formatter(mtick.PercentFormatter(xmax=1, decimals=None, symbol='%'))
plt.legend([l1, l2], ["closing price", "day change"])
plt.show()

#This graph illustrates the price of bitcoin over time on the left Y-axis
#and the bitcoin percent change over time on the right Y-axis.
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In []: