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In [22]: import matplotlib.ticker as mticker
from matplotlib.finance import candlestick_ohlc
import matplotlib.pyplot as plt
import numpy as np
import urllib
import matplotlib.dates as mdates
import datetime as dt
#%matplotlib notebook.....zoom in
from matplotlib import style
style.use('ggplot')
```

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In [23]: #converting the timestamps from the Yahoo finance API to times that Matplotlib
          understands
def bytesdate2num(fmt, encoding='utf-8'):
    strconverter = mdates.strpdate2num(fmt)

    def bytesconverter(b):
        s = b.decode(encoding)
        return strconverter(s)

    return bytesconverter

def graph_data():

    fig = plt.figure()
    ax1 = plt.subplot2grid((1,1), (0,0))
    # Unfortunately, Yahoo's API is no longer available
    # feel free to adapt the code to another source, or use this drop-in replacement.
    stock_price_url = 'https://pythonprogramming.net/yahoo_finance_replacement'

    source_code = urllib.request.urlopen(stock_price_url).read().decode()
    stock_data = []
    split_source = source_code.split('\n')
    for line in split_source[2:]:
        split_line = line.split(',')
        if len(split_line) == 7:
            if 'values' not in line and 'labels' not in line:
                stock_data.append(line)

    # pprint.pprint(stock_data)
    date, openp, highp, lowp, closep, adj_closep, volume = np.loadtxt(stock_data,
                                                                    delimiter=',',
                                                                    unpack=True,
                                                                    # %Y = full year. 2015
                                                                    # %y = partial year 15
                                                                    # %m = number month

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# %d = n
umber day
# %H = h
ours
# %M = m
inutes
# %S = s
econds
# 12-06-
2014
# %m-%d-
%Y
converte

rs={0: bytesdate2num('%Y-%m-%d')}}

x = 0
y = len(date)
ohlc = []

while x < y:
    append_me = date[x], openp[x], highp[x], lowp[x], closep[x], volume[x]
    ohlc.append(append_me)
    x+=1

candlestick_ohlc(ax1, ohlc, width=0.4, colorup='#77d879', colordown='#db3f
3f')

for label in ax1.xaxis.get_ticklabels():
    label.set_rotation(45)

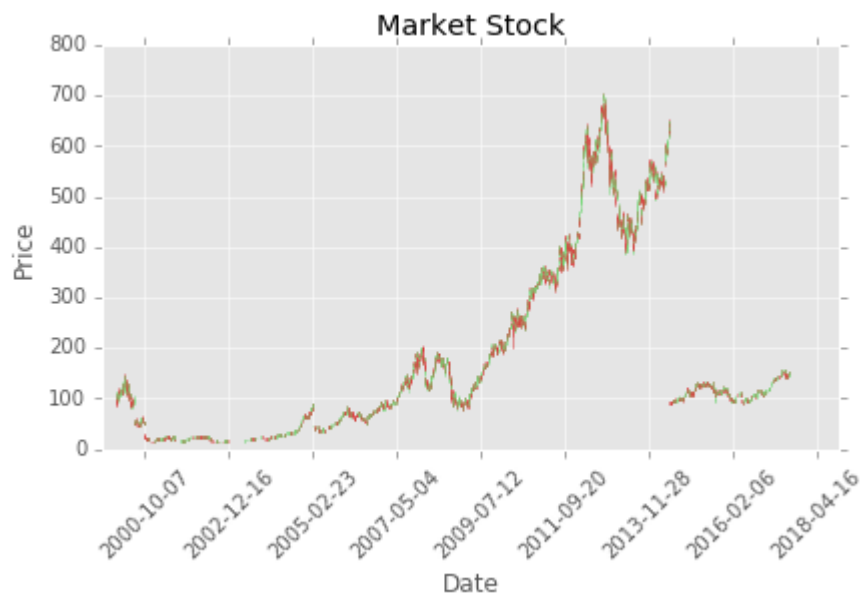
ax1.xaxis.set_major_formatter(mdates.DateFormatter('%Y-%m-%d'))
ax1.xaxis.set_major_locator(mticker.MaxNLocator(10))
ax1.grid(True)

plt.xlabel('Date')
plt.ylabel('Price')
plt.title('Market Stock')
plt.legend()
plt.subplots_adjust(left=0.09, bottom=0.20, right=0.94, top=0.90,
wspace=0.2, hspace=0)
plt.show()

graph_data()

```

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C:\Users\SIDDHARTH\Anaconda3\lib\site-packages\matplotlib\axes\_axes.py:519:  
UserWarning: No labelled objects found. Use label='...' kwarg on individual  
plots.  
warnings.warn("No labelled objects found. ")
```



In []:

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