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In [23]: import matplotlib.pyplot as plt
import numpy as np
import urllib
import matplotlib.dates as mdates

%matplotlib inline

#converting the timestamps from the Yahoo finance API to times that Matplotlib understands
def bytespdate2num(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
                                                                    # %d = number day
                                                                    # %H = hours
                                                                    # %M = minutes

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inutes
econds
2014
%Y
rs={0: bytesdate2num('%Y-%m-%d')}}

# %S = s
# 12-06-
# %m-%d-
converte

ax1.plot_date(date, closep, '-', label='Price')

ax1.plot([],[],linewidth=5, label='loss', color='r',alpha=0.5)
ax1.plot([],[],linewidth=5, label='gain', color='g',alpha=0.5)

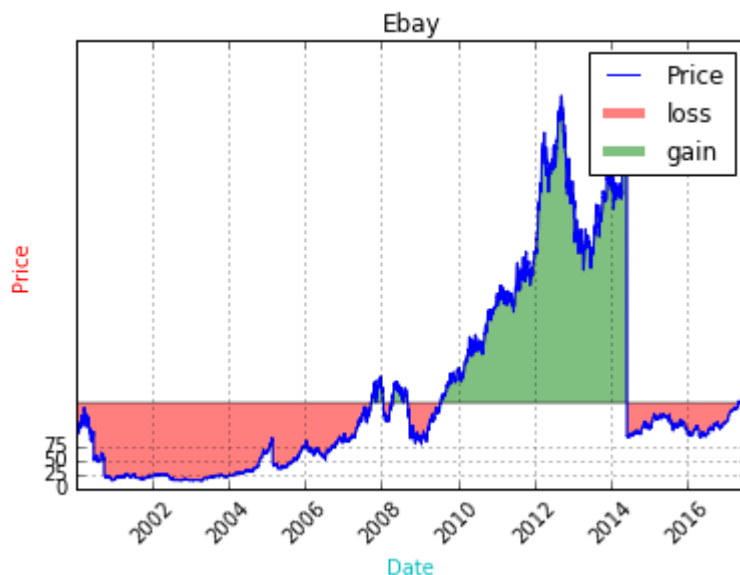
ax1.fill_between(date, closep, closep[0],where=(closep > closep[0]), facec
olor='g', alpha=0.5)
ax1.fill_between(date, closep, closep[0],where=(closep < closep[0]), facec
olor='r', alpha=0.5)

for label in ax1.xaxis.get_ticklabels():
    label.set_rotation(45)
ax1.grid(True)#, color='g', linestyle='-', linewidth=5)
ax1.xaxis.label.set_color('c')
ax1.yaxis.label.set_color('r')
ax1.set_yticks([0,25,50,75])

plt.xlabel('Date')
plt.ylabel('Price')
plt.title('Ebay')
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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In [24]: #plt.xticks()  
         #plt.yticks()
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In [25]: #tick_vals = np.linspace(0,25,50,70)
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In [ ]:
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