

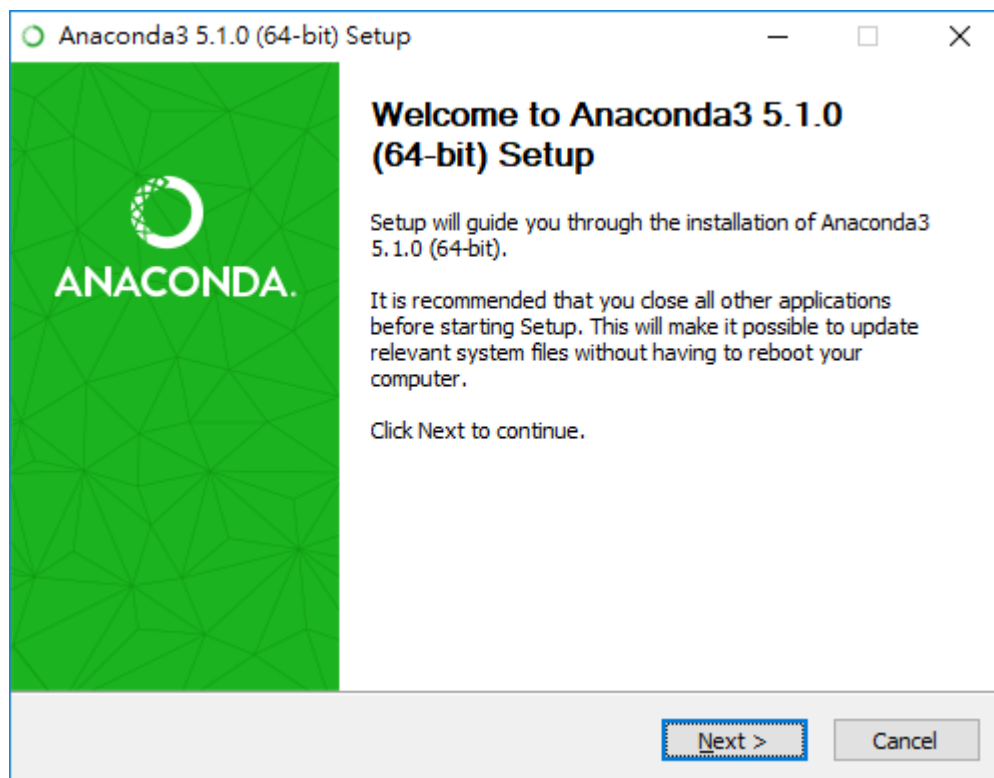
mpl_finance 安裝不成功的解決方法

說明: 首部曲 Python 程式設計入門第 7 章 [RC 7.3.py](#) 中用到套件 mpl_finance 可以指定日期爬美國蘋果公司 AAPL 日股價資料後畫出 K 線圖。原則下 pip install mpl_finance 即可，若安裝不成功的解決方法，詳細處理步驟可至此網址下載 <https://github.com/letylin/pyprogbook>

1. 重裝 python3.6

因為 mpl_finance 套件要求安裝 python3.6 版。可以考慮重裝 Anaconda3 5.1.0 版 <https://www.anaconda.com/download/>

安裝方式參考首部曲: python 程式設計入門-金融商管實務案例第 2 章。



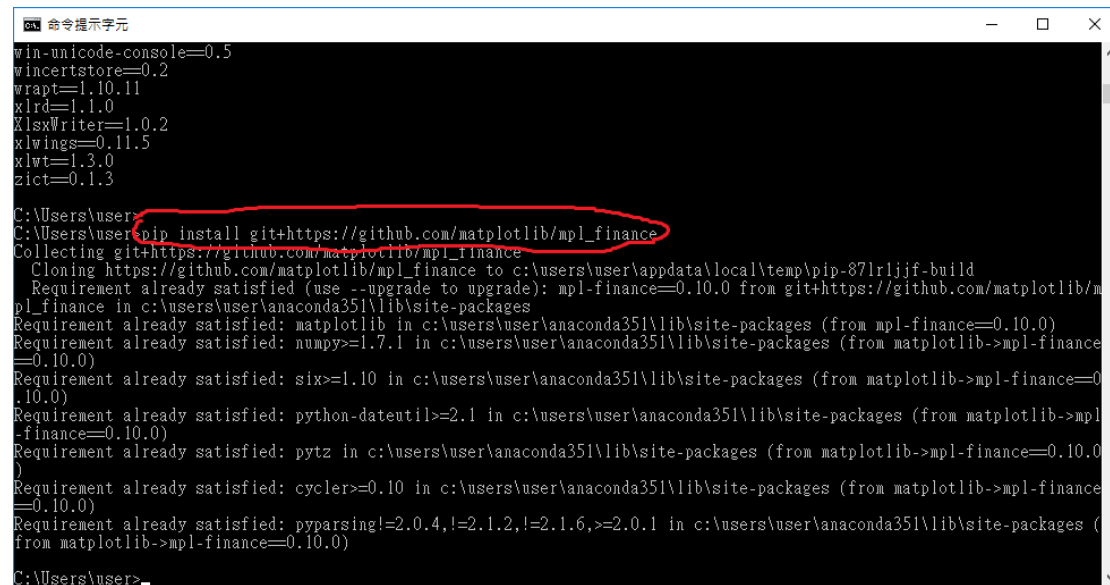
2. 設定環境變數

假設 anaconda35 是安裝在 C:\Users\user\Anaconda351\
環境變數要設 Lib\site-packages, Scripts, 與 Library\bin 等參考如下
;C:\Users\user\Anaconda351\Lib\site-packages;C:\Users\user\Anaconda351\Scripts;
C:\Users\user\Anaconda351;C:\Users\user\Anaconda351\Library\bin;
環境變數設定方式參考首部曲: python 程式設計入門-金融商管實務案例第 8 章。
設定完重新啟動電腦。

3. 安裝 mpl_finance 套件

可以 pip install 指令直接到 github 網站去安裝 mpl_finance。若環境變數設定成功，就可以成功執行 pip 等指令。做法是進入 windows 的 cmd 視窗 C:\Users\user\ 下指令

```
pip install git+https://github.com/matplotlib/mpl_finance
```



```
win-unicode-console=0.5
wincertstore=0.2
wrapt=1.10.11
xlrd=1.1.0
xlswriter=1.0.2
xlwings=0.11.5
xlwt=1.3.0
zict=0.1.3
C:\Users\user>
C:\Users\user>pip install git+https://github.com/matplotlib/mpl_finance
Collecting git+https://github.com/matplotlib/mpl_finance
  Cloning https://github.com/matplotlib/mpl_finance to c:\users\user\appdata\local\temp\pip-87lr1jff-build
  Requirement already satisfied (use --upgrade to upgrade): mpl-finance==0.10.0 from git+https://github.com/matplotlib/mpl_finance in c:\users\user\anaconda351\lib\site-packages
Requirement already satisfied: matplotlib in c:\users\user\anaconda351\lib\site-packages (from mpl-finance==0.10.0)
Requirement already satisfied: numpy>=1.7.1 in c:\users\user\anaconda351\lib\site-packages (from matplotlib->mpl-finance==0.10.0)
Requirement already satisfied: six>=1.10 in c:\users\user\anaconda351\lib\site-packages (from matplotlib->mpl-finance==0.10.0)
Requirement already satisfied: python-dateutil>=2.1 in c:\users\user\anaconda351\lib\site-packages (from matplotlib->mpl-finance==0.10.0)
Requirement already satisfied: pytz in c:\users\user\anaconda351\lib\site-packages (from matplotlib->mpl-finance==0.10.0)
Requirement already satisfied: cycler>=0.10 in c:\users\user\anaconda351\lib\site-packages (from matplotlib->mpl-finance==0.10.0)
Requirement already satisfied: pyparsing!=2.0.4,!2.1.2,!2.1.6,>=2.0.1 in c:\users\user\anaconda351\lib\site-packages (from matplotlib->mpl-finance==0.10.0)
C:\Users\user>
```

4. 重新執行 RC 7 3 .py

#RC_7_3: 上網抓資料並畫 K 線圖

#需要 pip install mpl_finance

```
import matplotlib.pyplot as plt
```

```
from matplotlib.dates import DateFormatter
```

```
from mpl_finance import quotes_historical_yahoo_ohlc, candlestick_ohlc
```

#下載資料起迄日，日期格式與股票代號

```
start = (2016, 4, 1)
```

```
end = (2016, 4, 25)
```

```
weekFormatter = DateFormatter('%b %d') # 例如, Jan 03 2016
```

```
quotes = quotes_historical_yahoo_ohlc('AAPL', start, end)
```

#若抓取的資料是空字串則離開系統

```
if len(quotes) == 0:
```

```
    raise SystemExit
```

#設定繪圖區域的格式化

```
fig, ax = plt.subplots()
```

```
ax.xaxis_date()
```

```
plt.setp(plt.gca().get_xticklabels(), rotation=45, horizontalalignment='right')
#畫 K 線圖並顯示
candlestick_ohlc(ax, quotes, width=0.6)
plt.show()
```