

在 windows 建 anaconda 環境(create python env under windows)

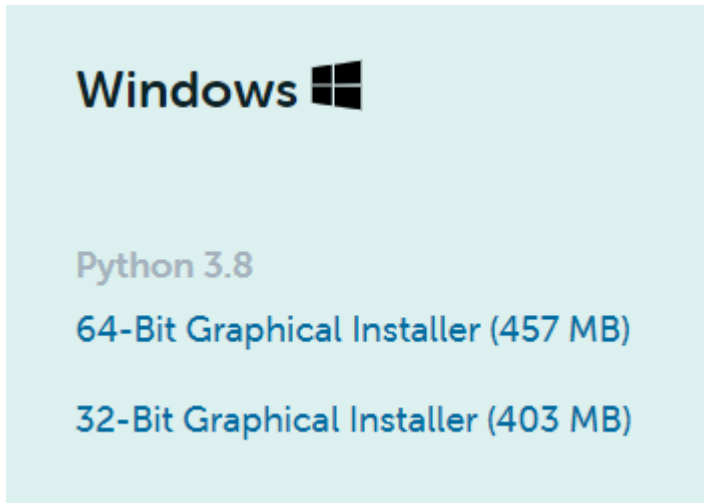
John J. H. Lin

- 下載執行檔 **download anaconda**

到 <https://www.anaconda.com/products/individual#windows>

依照自己電腦的作業系統版本，下載安裝檔

Visit <https://www.anaconda.com/products/individual#windows> and download anaconda based on os version of the computer

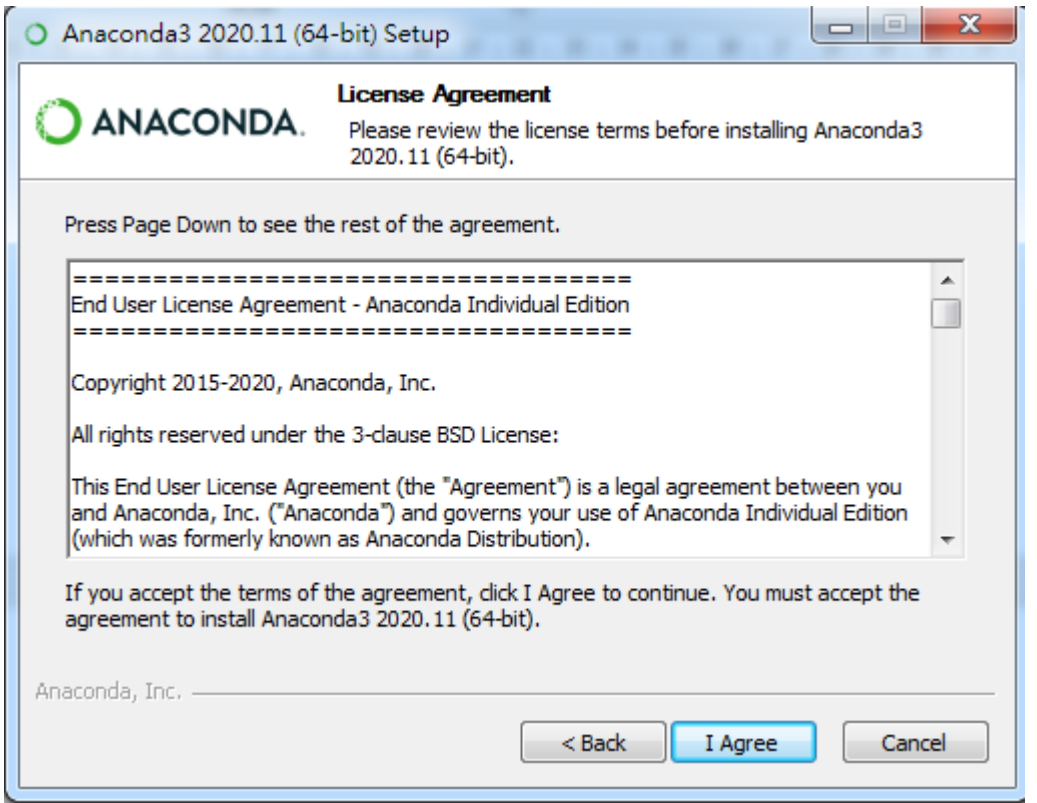
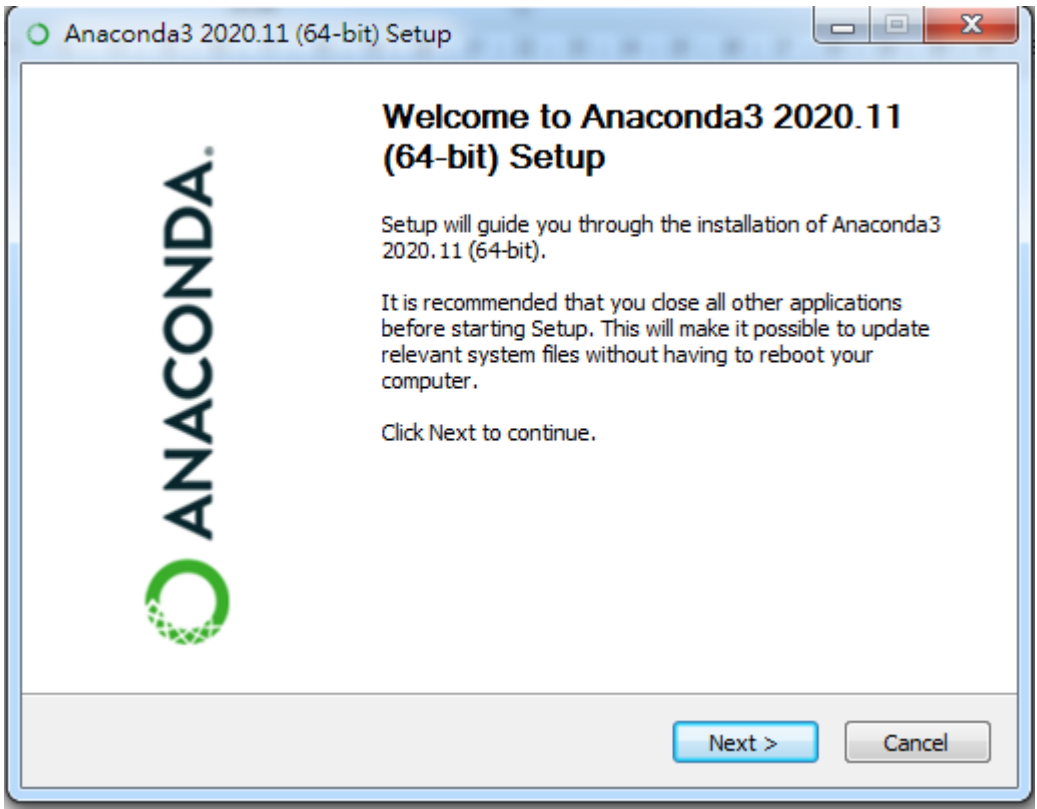


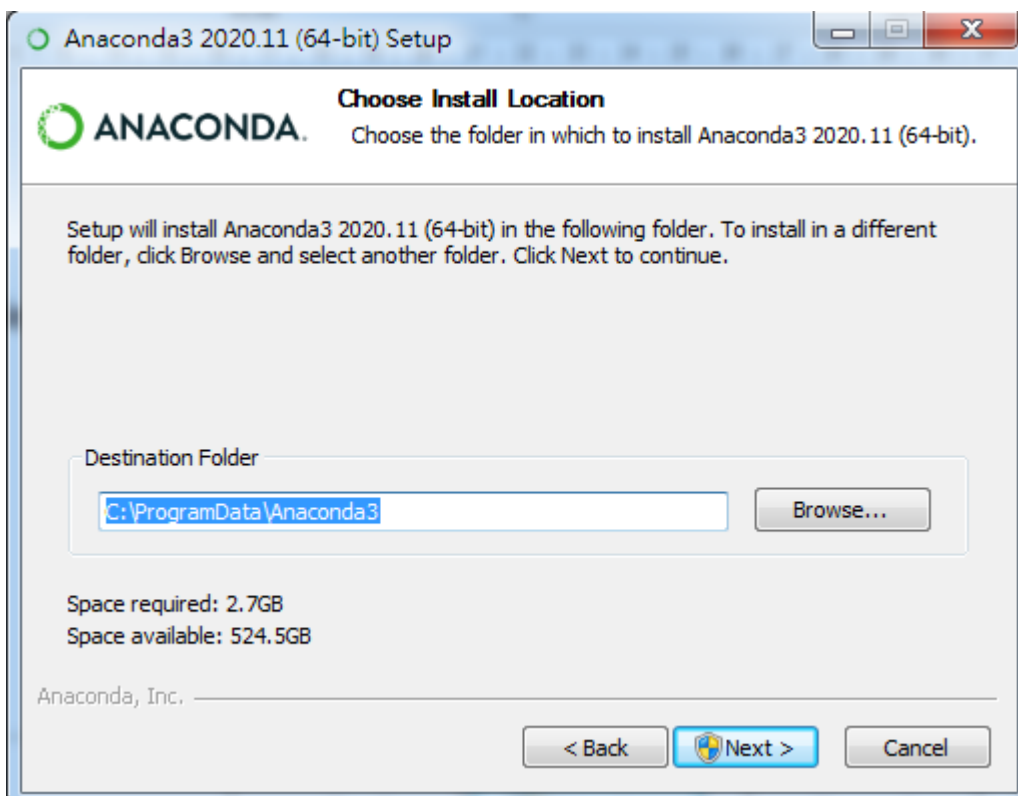
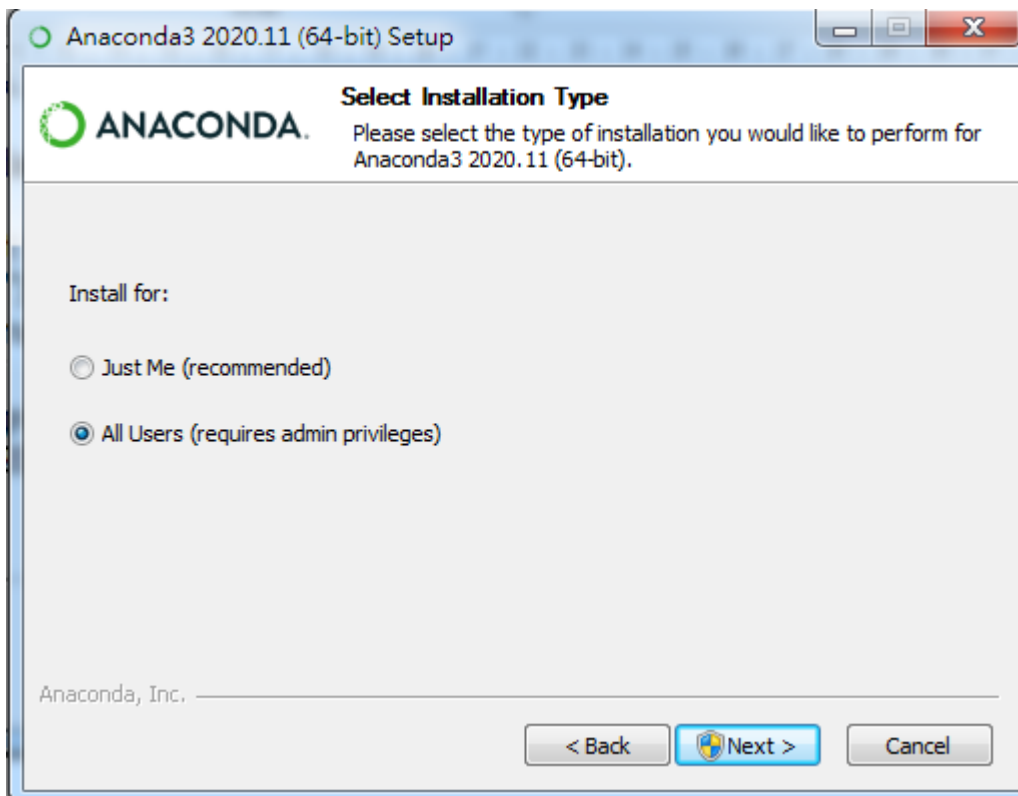
- 執行可執行檔 **install anaconda**

按照一般方式進行安裝，通常一直接下一步即可

Follow the instruction on screen to install the anaconda. Usually click 'next step' will finish the installation.

You can see several instructions like the screenshot below.





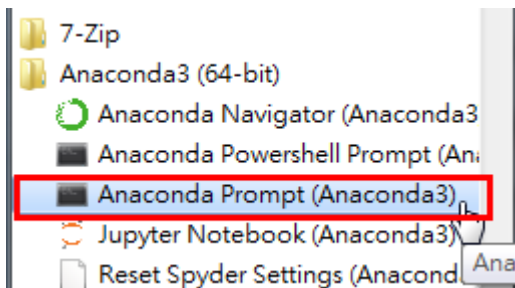
- 建立工作目錄

```
cd c:\  
mkdir data_analysis
```

```
(base) C:\Users\John>cd c:\
(base) c:\>mkdir data_analysis
```

註: 建新資料夾也可以用檔案總管 Explorer can be used to create folder.

- **開啟命令列模式 enter the command mode**

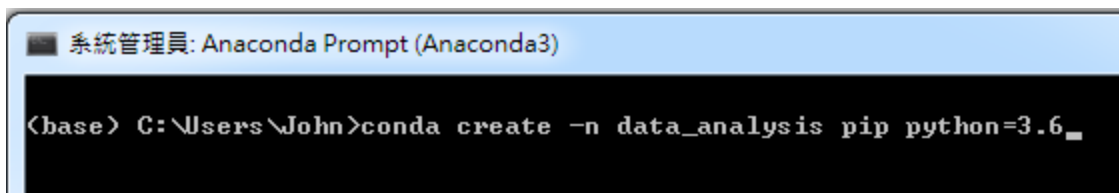


- **建立新的 python 環境 create a new python environment**

step1: 建立一個新的工作環境(ex: data_analysis)

step1: Suppose you want to create a python env named 'data_analysis', please type the string below and press 'enter.'

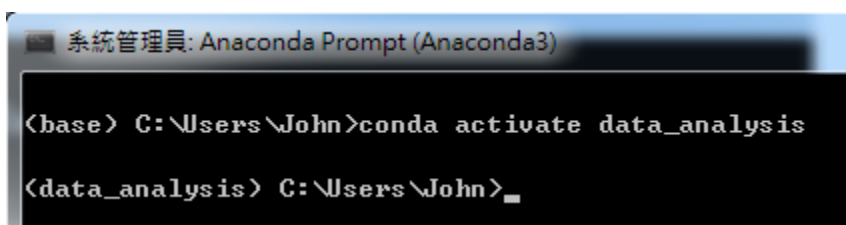
```
conda create -n data_analysis pip python=3.6
```



step2: 進入 data_analysis 環境 enter the data_analysis

step2: Enter the 'data_analysis' by typing the command below.

```
conda activate data_analysis
```



- **安裝 python 套件, install packages of python**

安裝資料分析需要的套件 Install packages that are necessary for you to analyze data

安裝方式: pip install 套件名稱

The command to install packages is: 'pip install name_of_package'

step3.1: 安裝 scipy

step3.1: install scipy

```
pip install scipy
```

```
<data_analysis> C:\Users\John>pip install scipy
```

(以下依此類推)

Below other packages are installed just like the 'scipy' example.

step3.2: 安裝 scikit-learn

```
pip install scikit-learn
```

step3.3: 安裝 ipython

```
pip install ipython
```

step3.4: 安裝 jupyter

```
pip install jupyter
```

step3.5: 安裝 matplotlib

```
pip install matplotlib
```

step3.6: 安裝 pandas

```
pip install pandas
```

step3.7: 安裝 seaborn

```
pip install seaborn
```

step3.8: 安裝 xlrd

```
Pip install xlrd
```

step3.9: 安裝 pyreadstat

```
Pip install pyreadstat
```

Step3.10: 安裝 python-docx

```
conda install -c conda-forge python-docx
```

Step3.11: 安裝 openpyxl

```
Pip install openpyxl
```

- **進入 jupyter notebook 的環境 use 'jupyter notebook' to code**

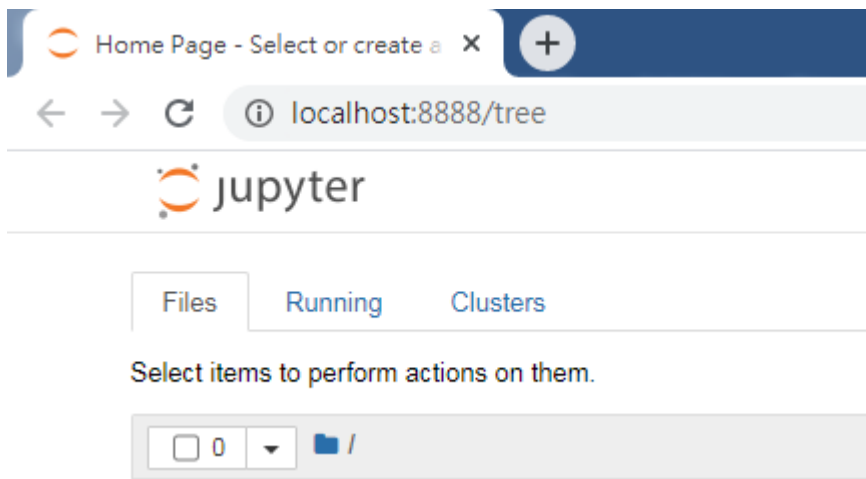
鍵入 jupyter notebook

Execute 'jupyter notebook' under the command line mode

```
Jupyter notebook
```

```
<data_analysis> C:\Users\John>jupyter notebook
```

假如看到一下畫面，表示已經成功建立 python environment 環境了。If you can see the screen below, you are successful, congratulations.



結束。

This is the end of instructions.