John J. H. Lin

# ● 下載執行檔 download anaconda

到 <u>https://www.anaconda.com/products/individual#windows</u> 依照自己電腦的作業系統版本,下載安裝檔 Visit <u>https://www.anaconda.com/products/individual#windows</u> and download anaconda based on os version of the computer

# Windows 🕊

Python 3.8

64-Bit Graphical Installer (457 MB)

32-Bit Graphical Installer (403 MB)

## ● 執行可執行檔 install anaconda

按照一般方式進行安裝,通常一直按下一步即可

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.

O Anaconda3 2020.11 (64-bit) Setup				
O ANACONDA.	Welcome to Anaconda3 2020.11 (64-bit) Setup Setup will guide you through the installation of Anaconda3 2020.11 (64-bit). It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer. Click Next to continue.			
	Next > Cancel			

O Anaconda3 2020.11 (64	4-bit) Setup	×		
O ANACONDA.	License Agreement Please review the license terms before installing Anaconda3 2020.11 (64-bit).	1		
Press Page Down to see the rest of the agreement.				
End User License Agreeme	ent - Anaconda Individual Edition			
Copyright 2015-2020, Anaconda, Inc.				
All rights reserved under t	he 3-dause BSD License:			
This End User License Agr and Anaconda, Inc. ("Ana (which was formerly know	eement (the "Agreement") is a legal agreement between you conda") and governs your use of Anaconda Individual Edition n as Anaconda Distribution).	Ŧ		
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Anaconda3 2020.11 (64-bit).				
Anaconda, Inc. ————				
	< Back I Agree Can	cel		

(	O Anaconda3 2020.11 (64-bit) Setup			
	O ANACONDA.	Select Installation Type Please select the type of installation you would like to perform for Anaconda3 2020.11 (64-bit).		
	Install for:			
•	Just Me (recommended)			
	All Users (requires admi	n privileges)		
	Anaconda, Inc. ————	< Back Rext > Cancel		

O Anaconda3 2020.11 (64	-bit) Setup
O ANACONDA.	Choose Install Location Choose the folder in which to install Anaconda3 2020.11 (64-bit).
Setup will install Anaconda3 folder, click Browse and sel	3 2020.11 (64-bit) in the following folder. To install in a different ect another folder. Click Next to continue.
Destination Folder	nda3 Browse
Space required: 2.7GB Space available: 524.5GB	
Anaconda, Inc. —	< Back
● 建立工作目錄	

cd c:\	
mkdir data_analysis	

(base)	C:\Users\	John>cd	c:\
(base)	c:\>mkdir	data_ar	nalysis

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



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

🔳 系統管理員: Anaconda Prompt (Anaconda3)

(base) C:\Users\John>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

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.