數據科學方法

Python工具箱

Python 3.5+

- [Anaconda](#) or [miniconda](#)

- [Official python](#)

- Free cloud resource: [Azure notebook](#)

Modules

- [numpy](), [scipy](), and [pandas]()

- [matplotlib]() and [seaborn]()

- [scikit-learn]() and [statsmodels]()

- An IDE such as [jupyterlab]() or [spyder]() + [spyder-notebook](), etc.

- [Tensorflow 2]()

Miniconda

1. Download and install miniconda

2. Create a virtual environment with all the required packages:
   conda env create -f environment.yml

3. Activate the above virtual environment:
   conda activate datascience

4. Install additional packages:
   conda install xxx

Official python

1. Install python from windows store

2. Install virtualenv:
   pip3 install virtualenv

3. Use the package **virtualenv** to manage
   environments ([教學](#))

4. Install all the required packages:
   pip3 install -r requirement.txt