00EnvironmentInstallation

November 4, 2018

1 Git

1. install

    1. go to official site
    2. download executable
    3. open executabled: Always "Next"

2. testing

    1. open Command line (命令提示字元)

    ```
    >>>git
    usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
        [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
        [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
        [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
        <command> [<args>]
    .........
    ```

2 Python(Don't use conda please)

1. intall

    1. go to python 3.6.4 download page(official site)

    2. Download "Windows x86-64 executable installer"
    3. Open installer
        1. (very important!!) check "Add Python 3.6 to PATH" at bottom
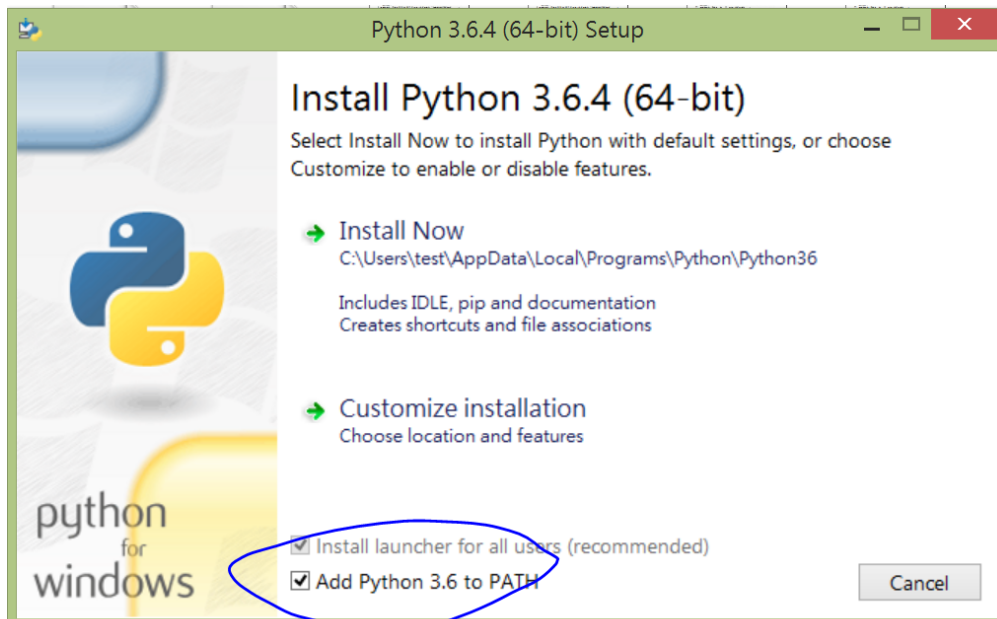
        2. click install now

2. testing:

    1. open Command line (命令提示字元)

    ```
    >>> python -V
    Python 3.6.4
    >>> pip -V
    pip 9.0.1 from C:\.......\pip (python 3.6)
    ```

Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		9de6494314ea199e3633211696735f65	22710891	SIG
XZ compressed source tarball	Source release		1325134dd525b4a2c3272a1a0214dd54	16992824	SIG
Mac OS X 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	9fba50521dffa9238ce85ad640abaa92	27778156	SIG
Windows help file	Windows		17cc49512c3a2b876f2ed8022e0afe92	8041937	SIG
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64, not Itanium processors	d2fb546fd4b189146dbefeba85e7266b	7162335	SIG
Windows x86-64 executable installer	Windows	for AMD64/EM64T/x64, not Itanium processors	bee5746dc6ece6ab49573a9f54b5d0a1	31684744	SIG
Windows x86-64 web-based installer	Windows	for AMD64/EM64T/x64, not Itanium processors	21525b3d132ce15cae6ba96d74961b5a	1320128	SIG
Windows x86 embeddable zip file	Windows		15802be75a6246070d85b87b3f43f83f	6400788	SIG
Windows x86 executable installer	Windows		67e1a9bb336a5eca0efcd481c9f262a4	30653888	SIG
Windows x86 web-based installer	Windows		6c8ff748c554559a385c986453df28ef	1294088	SIG

download

download

3 Jupyter

1. install:

    1. open Command line (命令提示字元) with admin auth (以管理員權限開啟)

       ```
       >>>pip install --upgrade pip
       >>>pip install jupyter
       ```

2. testing

    1. open Command line (命令提示字元)

       ```
       >>>jupyter notebook
       ```

4 Dependency(Don't use conda please)

1. install

    1. option 1: install your self

       ```
       >>>pip install numpy pandas scikit-learn matplotlib requests xgboost bs4
       ```

    2. option 2: install through requirements.txt

       ```
       >>>pip install -r requirements.txt
       ```

```
In [ ]:
```