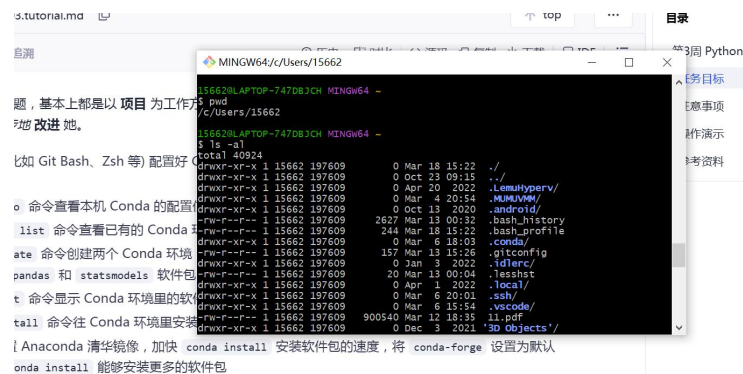


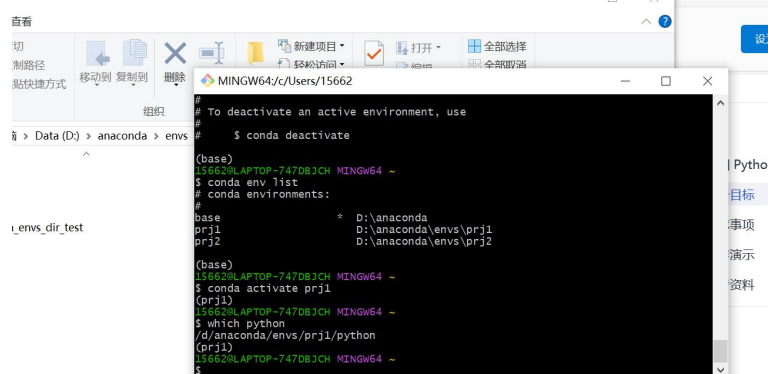
第三周学习记录

1. 在自己的终端 (比如 Git Bash、Zsh 等) 配置好 Conda Init, 使得启动终端后, 在提示符 (比如 \$、%) 前能够看到 (base)



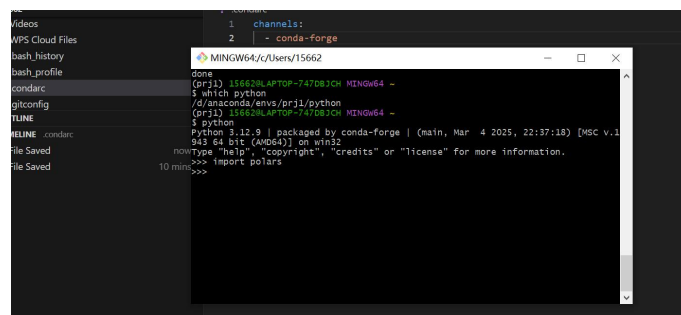
```
MINGW64/c/Users/15662
$ ls -al
total 40924
drwxr-xr-x 1 15662 197609 0 Mar 18 15:22 ./
drwxr-xr-x 1 15662 197609 0 Oct 23 09:15 ../
drwxr-xr-x 1 15662 197609 0 Apr 20 2022 .Lemmyhyperv/
drwxr-xr-x 1 15662 197609 0 Mar 4 20:54 .MikuMiku/
drwxr-xr-x 1 15662 197609 0 Oct 13 2020 .android/
-rw-r--r-- 1 15662 197609 2627 Mar 13 00:32 .bash_history
-rw-r--r-- 1 15662 197609 244 Mar 18 15:22 .bash_profile
-rw-r--r-- 1 15662 197609 0 Mar 6 18:03 .conda/
-rw-r--r-- 1 15662 197609 157 Mar 13 15:26 .gitconfig
drwxr-xr-x 1 15662 197609 0 Jan 3 2022 .idlerc/
-rw-r--r-- 1 15662 197609 20 Mar 13 00:04 .lessht
drwxr-xr-x 1 15662 197609 0 Apr 1 2022 .local/
drwxr-xr-x 1 15662 197609 0 Mar 6 20:01 .ssh/
-rw-r--r-- 1 15662 197609 0 Mar 6 15:54 .vscode/
-rw-r--r-- 1 15662 197609 900540 Mar 12 18:35 .ll.pdf
drwxr-xr-x 1 15662 197609 0 Dec 3 2021 .3D Objects/
```

2. 使用 conda create 命令创建两个 Conda 环境, 一个里面安装 Python 3.12 和 requests 软件包, 另一个里面安装 Python 3.9、pandas 和 statsmodels 软件包, 能够在终端里切换 Conda 环境, 验证 Python 和软件包的版本



```
MINGW64/c/Users/15662
$ conda deactivate
(base)
$ conda env list
# conda environments:
#
base * D:\anaconda
prj1 D:\anaconda\envs\prj1
prj2 D:\anaconda\envs\prj2
(base)
$ conda activate prj1
(prj1)
$ which python
/d/anaconda/envs/prj1/python
(prj1)
$
```

3. 根据文档, 配置 Anaconda 清华镜像, 加快 conda install 安装软件包的速度, 将 conda-forge 设置为默认 Channel, 让 conda install 能够安装更多的软件包



```
MINGW64/c/Users/15662
$ conda channels
base
conda-forge
```

4. 根据 文档 配置 PyPI 清华镜像, 加快 pip install 安装软件包的速度

```
MINGW64/c/Users/15662
da.com/pkgs/main 14.42.34438 hfd919e2_24 conda-forge
vc14_runtime 14.42.34438 h7142326_24 conda-forge
wcwidth 0.2.5 pyhd3eb1b0_0 https://repo.anaconda.com/pkgs/main
da.com/pkgs/main 1.8.0 pypi_0 pypi
websocket-client 0.49.1 py312haa95532_0 https://repo.anaconda.com/pkgs/main
wheel 1.1.0 py312haa95532_0 https://repo.anaconda.com/pkgs/main
win_inet_pton 5.6.4 h4754444_1 https://repo.anaconda.com/pkgs/main
xz2 1.3.1 h2466b09_2 conda-forge
zlib (prj1) 15662@LAPTOP-747DBJCH MINGW64 ~
$ python
Python 3.12.9 | packaged by conda-forge | (main, Mar 4 2025, 22:37:18) [MSC v.143 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import tushare
>>> tushare.__version__
'1.4.19'
>>> tushare.__file__
'D:\anaconda\envs\prj1\Lib\site-packages\tushare\__init__.py'
>>>
```

5. 能够导出 environment.yml Conda 环境配置文件, 能够删除 Conda 环境, 能够用 environment.yml 配置文件重建 Conda 环境

```
MINGW64/c/Users/15662
prj2 D:\anaconda\envs\prj2
15662@LAPTOP-747DBJCH MINGW64 ~
$ conda deactivate
15662@LAPTOP-747DBJCH MINGW64 ~
$ conda env remove -n prj1

Remove all packages in environment D:\anaconda\envs\prj1:

No packages found in D:\anaconda\envs\prj1. Continuing environment removal
Everything found within the environment (D:\anaconda\envs\prj1), including any conda environment configurations and any non-conda files, will be deleted. Do you wish to continue?
(y/[n])? y

15662@LAPTOP-747DBJCH MINGW64 ~
$ conda env list
# conda environments:
#
base D:\anaconda
prj2 D:\anaconda\envs\prj2

15662@LAPTOP-747DBJCH MINGW64 ~
$
```

6. 按照教程创建项目目录, 在 VS Code 文本编辑器里安装一些支持 Python 开发的常用扩展, 编写 main.py 脚本, 创建该项目专用的 Conda 环境, 在终端里激活该环境并成功运行该脚本

```
Conda-build MINGW64/c/Users/15662/repo/myproject
If you suspect this error is being caused by a malfunctioning plugin, consider using the --no-plugins option to turn off plugins.
Example: conda --no-plugins install <package>
Alternatively, you can set the CONDA_NO_PLUGINS environment variable on the command line to run the command without plugins.
Example: CONDA_NO_PLUGINS=true conda install <package>
If submitted, this report will be used by core maintainers to improve future releases of conda.
Would you like conda to send this report to the core maintainers? [y/N]:
No report sent. To permanently opt-out, use
$ conda config --set report_errors false
If you are having trouble with conda, you can find help at https://conda.io/projects/conda/en/latest/_modules/conda.html
$ curl -O https://edg.epa.gov/EPADDataCommons/public/OA/EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
0 0 0 0 0 0 0 0 --:--:-- 0:00:04 --:--:-- 0
For our analysis we are interested in knowing what percentage of IL S residents
```