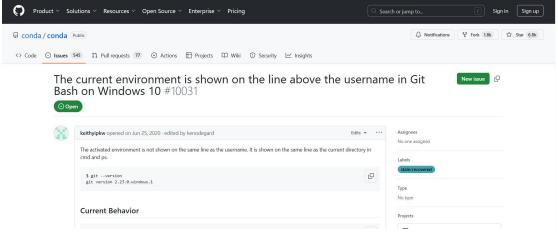
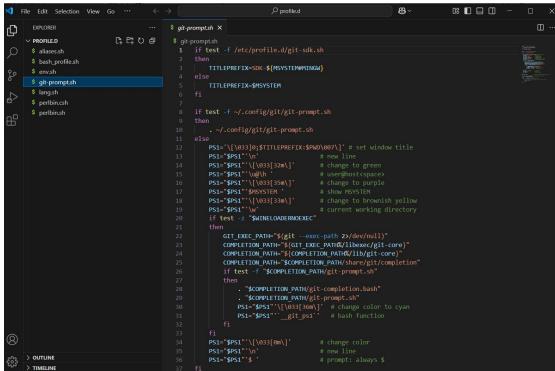


在自己的终端 (比如 Git Bash、Zsh 等) 配置好 Conda Init, 使得启动终端后, 在提示符 (比如 \$、%) 前能够看到 (base)



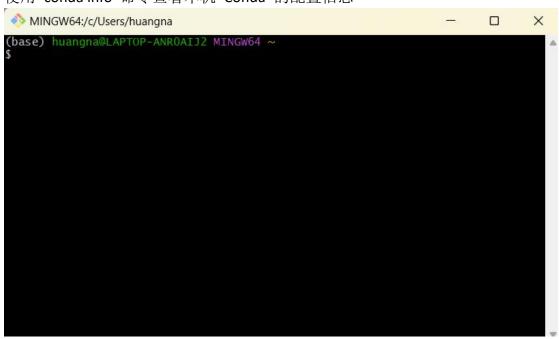
关于 base 不在同一行的解决问题网页打开,并根据网页信息解决了 base 不在一行的问题





```
(base) huangna@LAPTOP-ANROAIJ2 MINGW64
$ conda info
       active environment : base
     active env location : D:\a
shell level: 1
user config file: C:\Users\huangna\.condarc
populated config files: D:\a\.condarc
conda version: 24.9.2
conda-build version: 24.9.0
python version: 3.12.7.final.0
                          solver : libmamba (default)
          virtual packages : __archspec=1=x86_64_v3
                                         __conda=24.9.2=0
                                            _win=0=0
          base environment : D:\a (writable)
         conda av data dir : D:\a\etc\conda
  conda av metadata url :
                                         None
               channel URLs: https://repo.anaconda.com/pkgs/main/win-64
https://repo.anaconda.com/pkgs/main/noarch
https://repo.anaconda.com/pkgs/r/win-64
https://repo.anaconda.com/pkgs/r/noarch
https://repo.anaconda.com/pkgs/msys2/win-64
https://repo.anaconda.com/pkgs/msys2/noarch
package cache: D:\a\pkgs
                                         C:\Users\huangna\.conda\pkgs
C:\Users\huangna\AppData\Local\conda\conda\pkgs
          envs directories : D:\a\envs
C:\Users\huangna\.conda\envs
C:\Users\huangna\AppData\Local\conda\conda\envs
                       platform : win-64
                    user-agent : conda/24.9.2 requests/2.32.3 CPython/3.12.7 Windows/11
 windows/10.0.22631 solver/libmamba conda-libmamba-solver/24.9.0 libmambapy/1.5.
8 aau/0.4.4 c/. s/. e/.
administrator : False
                    netrc file : None
                 offline mode : False
```

## 使用 conda info 命令查看本机 Conda 的配置信息



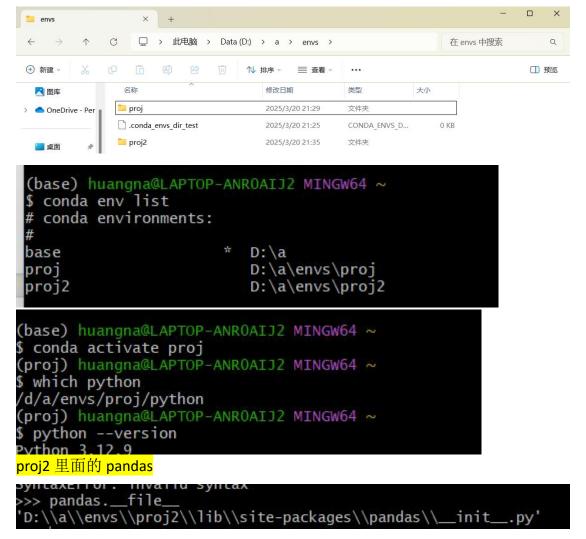
使用 conda env list 命令查看已有的 Conda 环境的名称和路径,理解 Conda 环境 的概念

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

```
(base) huangna@LAPTOP-ANROAIJ2 MINGW64
$ conda create -n proj python=3.12 requests
WARNING: A conda environment already exists at 'D:\a\envs\proj'
Remove existing environment?
This will remove ALL directories contained within this specified prefix director
 , including any other conda environments.
 (y/[n])? y
Channels:
- defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done
## Package Plan ##
   environment location: D:\a\envs\proj
   added / updated specs:
- python=3.12
- requests
The following packages will be downloaded:
                                                                                build
      brotli-python-1.0.9
bzip2-1.0.8
ca-certificates-2025.2.25
                                                              py312h5da7b33_9
                                                                                                          347 KB
                                                                       h2bbff1b_6
haa95532_0
                                                                                                           90 KB
                                                                                                          130 KB
      ca-certificates-2025.2.25
certifi-2025.1.31
charset-normalizer-3.3.2
expat-2.6.4
idna-3.7
libffi-3.4.4
openssl-3.0.16
pip-25.0
pysocks-1.7.1
pythop-3 12 9
                                                              py312haa95532_0
                                                                                                          164 KB
                                                                                                         44 KB
257 KB
133 KB
122 KB
7.8 MB
3.0 MB
                                                                   pyhd3eb1b0_0
                                                             pynd3eD100_0
h8ddb27b_0
py312haa95532_0
hd77b12b_1
h3f729d1_0
py312haa95532_0
py312haa95532_0
                                                                                                            34 KB
      pysocks-1.7.1
python-3.12.9
requests-2.32.3
setuptools-75.8.0
sqlite-3.45.3
tk-8.6.14
tzdata-2025a
urllib3-2.3.0
                                                                                                        16.5 MB
124 KB
2.2 MB
973 KB
3.5 MB
117 KB
                                                              h14ffc60_0
py312haa95532_1
py312haa95532_0
h2bbff1b_0
h0416ee5_0
                                                                       h04d1e81_0
                                                              py312haa95532_0
                                                                                                          238 KB
       vc-14.42
vs2015_runtime-14.42.34433
                                                                                                          11 KB
1.2 MB
177 KB
                                                                       haa95532_4
                                                                       he0abc0d_4
                                                              py312haa95532_0
py312haa95532_0
h4754444_1
h8cc25b3_1
      wheel-0.45.1
win_inet_pton-1.1.0
xz-5.6.4
zlib-1.2.13
                                                                                                           10 KB
                                                                                                          280 KB
                                                                                                          131 KB
                                                                                                         37.5 MB
                                                                              Total:
```

```
0V312haa95532 ()
                                                                                                     py312haa95532_0
py312haa95532_0
h14ffc60_0
py312haa95532_1
py312haa95532_0
h2bbff1b_0
        pysocks-1.7.1
python-3.12.9
                                                                                                                                                                                   34 KB
                                                                                                                                                                             16.5 MB
        requests-2.32.3
setuptools-75.8.0
sqlite-3.45.3
tk-8.6.14
                                                                                                                                                                               124 KB
2.2 MB
                                                                                                                                                                               973 KB
3.5 MB
117 KB
                                                                                                                     h0416ee5_0
        tzdata-2025a
                                                                                                                     h04d1e81_0
                                                                                                     py312haa95532_0
haa95532_4
        urllib3-2.3.0
                                                                                                                                                                                238 KB
        vc-14.42
vs2015_runtime-14.42.34433
                                                                                                                                                                                   11 KB
                                                                                                                     he0abc0d_4
                                                                                                                                                                                1.2 MB
                                                                                                     py312haa95532_0
py312haa95532_0
        wheel-0.45.1
                                                                                                                                                                                177 KB
        win_inet_pton-1.1.0
                                                                                                                                                                                   10 KB
        xz-5.6.4
                                                                                                                     h4754444_1
                                                                                                                                                                                280 KB
        zlib-1.2.13
                                                                                                                     h8cc25b3_1
                                                                                                                                                                                131 KB
                                                                                                                                 Total:
                                                                                                                                                                             37.5 MB
he following NEW packages will be INSTALLED:
                                                          pkgs/main/win-64::brotli-python-1.0.9-py312h5da7b33_9
pkgs/main/win-64::bzip2-1.0.8-h2bbff1b_6
pkgs/main/win-64::ca-certificates-2025.2.25-haa95532_0
pkgs/main/win-64::certifi-2025.1.31-py312haa95532_0
pkgs/main/win-64::charset-normalizer-3.3.2-pyhd3eb1b0_0
pkgs/main/win-64::dna-3.7-py312haa95532_0
pkgs/main/win-64::libffi-3.4.4-hd77b12b_1
pkgs/main/win-64::pip-25.0-py312haa95532_0
pkgs/main/win-64::pip-25.0-py312haa95532_0
pkgs/main/win-64::python-3.12.9-h14ffc60_0
pkgs/main/win-64::python-3.12.9-h14ffc60_0
pkgs/main/win-64::setuptools-75.8.0-py312haa95532_1
pkgs/main/win-64::setuptools-75.8.0-py312haa95532_0
pkgs/main/win-64::setuptools-75.8.0-py312haa95532_0
pkgs/main/win-64::sqlite-3.45.3-h2bbff1b_0
pkgs/main/win-64::tk-8.6.14-h0416ee5_0
pkgs/main/win-64::vc-14.42-haa95532_0
  brotli-python
  bzip2
  ca-certificates
  certifi
  charset-normalizer
  expat
  idna
libffi
  openss1
  pip
  pysocks
  python
   requests
   setuptools
   sqlite
   tk
  tzdata
  urllib3
   VC
  vs2015_runtime
  whee1
  win_inet_pton
  XZ
  zlib
 roceed ([y]/n)? y
one
   To activate this environment, use
              $ conda activate proj
  To deactivate an active environment, use
              $ conda deactivate
 envs
                                                                    × +
                                                                  □ > 此电脑 > Data (D:) > a > envs >
                                                                                                                                                                                                                                                       在 envs 中搜索
                                                 C
```





使用 conda list 命令显示 Conda 环境里的软件包列表及其版本信息

```
(proj2) huangna@LAPTOP-ANROAIJ2 MINGW64 ~
  conda list
  packages in environment at D:\a\envs\proj2:
# Name
                                                             Build
                                                                     Channel
                              Version
blas
                               1.0
                                                                mk1
                                                   py39hc99e966_0
bottleneck
                               1.4.2
                               2025.2.25
2022.1.0
                                                       haa95532_0
ca-certificates
                                                   h6049295_2
h59b6b97_46320
icc_rt
                               2023.1.0
intel-openmp
                                                   h6b88ed4_46358
mk1
                               2023.1.0
mkl-service
                               2.4.0
                                                   py39h827c3e9_2
mk1_fft
                               1.3.11
                                                   py39h827c3e9_0
mkl_random
                               1.2.8
                                                   py39hc64d2fc_0
                                                   py39h4cd664f_0
numexpr
                               2.10.1
                                                   py39h055cbcc_0
numpy
                               2.0.2
numpy-base
                                                   py39h65a83cf_0
                               2.0.2
                                                   h3f729d1_0
py39haa95532_0
openss1
packaging
                               3.0.16
                               24.2
                               2.2.3
                                                   py39h5da7b33_0
pandas
                               1.0.1
                                                   py39haa95532_0
patsy
                                                   py39haa95532_0
pip
                               25.0
pybind11-abi
                                                       hd3eb1b0_0
                               3.9.21
                                                       h8205438_1
python
python-dateutil
                                                   py39haa95532_2
                               2.9.0post0
                                                     pyhd3eb1b0_0
python-tzdata
                               2023.3
                               2024.1
                                                   py39haa95532_0
pytz
                                                   py39h8640f81_1
py39haa95532_0
                               1.13.1
scipy
                               72.1.0
setuptools
                                                     pyhd3eb1b0 1
                              1.16.0
six
sqlite
                               3.45.3
                                                       h2bbff1b_0
statsmodels
                              0.14.4
                                                   py39h827c3e9_0
tbb
                               2021.8.0
                                                       h59b6b97_0
                                                       h04d1e81_0
                               2025a
tzdata
                                                       haa95532_4
VC
                               14.42
vs2015_runtime
                                                       he0abc0d_4
                               14.42.34433
                              0.45.1
whee1
                                                  py39haa95532_0
(proj2) huangna@LAPTOP-ANROAIJ2 MINGW64 ~
$ conda activate proj
(proj) huangna@LAPTOP-ANROAIJ2 MINGW64 ~
$ conda list
 packages in environment at D:\a\envs\proj:
# Name
                             Version
                                                           Build
                                                                  Channel
brotli-python
                             1.0.9
                                               py312h5da7b33_9
                                               h2bbff1b_6
haa95532_0
py312haa95532_0
                             1.0.8
bzip2
ca-certificates
                             2025.2.25
                             2025.1.31
certifi
                             3.3.2
                                                   pyhd3eb1b0_0
charset-normalizer
expat
                             2.6.4
                                                     h8ddb27b_0
idna
                                               py312haa95532_0
                             3.7
libffi
                             3.4.4
                                                     hd77b12b_1
                                               h3f729d1_0
py312haa95532_0
py312haa95532_0
h14ffc60_0
openss1
                             3.0.16
                             25.0
pip
pysocks
                             1.7.1
                             3.12.9
python
                                               py312haa95532_1
py312haa95532_0
h2bbff1b_0
                             2.32.3
75.8.0
requests
setuptools
sqlite
                             3.45.3
tk
                                                     h0416ee5_0
                             8.6.14
                                                     h04d1e81_0
                             2025a
tzdata
                                               py312haa95532_0
haa95532_4
                             2.3.0
urllib3
                             14.42
                             14.42.34433
vs2015 runtime
                                                     he0abc0d 4
                                               py312haa95532_0
                             0.45.1
whee1
win_inet_pton
                             1.1.0
                                               py312haa95532_0
                                                     h4754444_1
                             5.6.4
zlib
                                                     h8cc25b3_1
                             1.2.13
```

## 使用 conda install 命令往 Conda 环境里安装更多的软件包,并验证版本

```
(proj) huangna@LAPTOP-ANROAIJ2 MINGWO4
$ conda install ipython
Retrieving notices: ...working... done
Channels:
- defaults
 Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done
## Package Plan ##
    environment location: D:\a\envs\proj
    added / updated specs:
- ipython
The following packages will be downloaded:
                                                                                                       build
                                                                                      pyhd3eb1b0_0
         asttokens-2.0.5
                                                                                                                                          20 KB
        colorama-0.4.6
decorator-5.1.1
                                                                                                                                          53 KB
12 KB
                                                                               py312haa95532_0
                                                                                     pyhd3eb1b0_0
         executing-0.8.3
                                                                                      pyhd3eb1b0_0
                                                                                                                                          18 KB
                                                                              pynd3eb1bU_0
py312haa95532_0
py312haa95532_0
py312haa95532_0
py312haa95532_0
py312haa95532_0
hd3eb1b0_0
         ipython-8.30.0
jedi-0.19.2
                                                                                                                                        1.5 MB
1.2 MB
19 KB
        jedi-0.19.2
matplotlib-inline-0.1.6
parso-0.8.4
prompt-toolkit-3.0.43
prompt_toolkit-3.0.43
pure_eval-0.2.2
pygments-2.15.1
stack_data-0.2.0
traitlets-5.14.3
wcwidth-0.2.5
                                                                                                                                       239 KB
733 KB
                                                                                                                                       5 KB
14 KB
1.8 MB
                                                                               pyhd3eb1b0_0
py312haa95532_1
pyhd3eb1b0_0
                                                                                                                                         22 KB
                                                                               py312haa95532_0
                                                                                                                                        221 KB
                                                                                      pyhd3eb1b0_0
                                                                                                                                          26 KB
                                                                                                    Total:
                                                                                                                                        5.8 MB
The following NEW packages will be INSTALLED:
    asttokens
                                                pkgs/main/noarch::asttokens-2.0.5-pyhd3eb1b0_0
pkgs/main/win-64::colorama-0.4.6-py312haa95532_0
pkgs/main/noarch::decorator-5.1.1-pyhd3eb1b0_0
pkgs/main/noarch::executing-0.8.3-pyhd3eb1b0_0
pkgs/main/win-64::ipython-8.30.0-py312haa95532_0
pkgs/main/win-64::jedi-0.19.2-py312haa95532_0
pkgs/main/win-64::matplotlib-inline-0.1.6-py312haa95532_0
pkgs/main/win-64::parso-0.8.4-py312haa95532_0
pkgs/main/win-64::prompt-toolkit-3.0.43-py312haa95532_0
pkgs/main/noarch::prompt_toolkit-3.0.43-hd3eb1b0_0
pkgs/main/noarch::pure_eval-0.2.2-pyhd3eb1b0_0
pkgs/main/win-64::pygments-2.15.1-py312haa95532_1
pkgs/main/noarch::six-1.16.0-pyhd3eb1b0_1
                                                pkgs/main/noarch::asttokens-2.0.5-pyhd3eb1b0_0
    colorama
    decorator
    executing
    ipython
    jedi
    matplotlib-inline
    parso
    prompt-toolkit
prompt_toolkit
    pure_eval
    pygments
    six
done
```

```
(proj) huangna@LAPTOP-ANROAIJ2 MINGW64 ~
 conda list
  packages in environment at D:\a\envs\proj:
# Name
                                                                Channe<sub>1</sub>
                            Version
                                                         Build
asttokens
                            2.0.5
                                                 pyhd3eb1b0_0
                                              py312h5da7b33_9
h2bbff1b_6
haa95532_0
brotli-python
                            1.0.9
bzip2
                            1.0.8
ca-certificates
                            2025.2.25
                                              py312haa95532_0
certifi
                            2025.1.31
                                                 pyhd3eb1b0_0
charset-normalizer
                            3.3.2
                                              py312haa95532_0
colorama
                            0.4.6
                            5.1.1
                                                 pyhd3eb1b0_0
decorator
                                                 pyhd3eb1b0_0
executing
                            0.8.3
expat
                            2.6.4
                                                   h8ddb27b_0
idna
                                              py312haa95532_0
                            3.7
                                              py312haa95532_0
ipython
                            8.30.0
                                              py312haa95532_0
iedi
                            0.19.2
libffi
                            3.4.4
                                                   hd77b12b_1
matplotlib-inline
                            0.1.6
                                              py312haa95532_0
openss1
                            3.0.16
                                                   h3f729d1_0
parso
                            0.8.4
                                              py312haa95532_0
                                              py312haa95532_0
                            25.0
pip
                                              py312haa95532_0
                            3.0.43
prompt-toolkit
prompt_toolkit
                                                   hd3eb1b0_0
                            3.0.43
pure_eval
                            0.2.2
                                                 pyhd3eb1b0_0
                                              py312haa95532_1
pygments
                            2.15.1
pysocks
                                              py312haa95532_0
                            3.12.9
                                                   h14ffc60_0
python
                            2.32.3 75.8.0
requests
                                              py312haa95532
                                              py312haa95532_0
setuptools
                                                 pyhd3eb1b0_1
six
                            1.16.0
sqlite
                                                   h2bbff1b_0
                                                 pyhd3eb1b0_0
stack_data
                            0.2.0
tk
                            8.6.14
                                                   h0416ee5_0
traitlets
                            5.14.3
                                              py312haa95532_0
                                                   h04d1e81_0
tzdata
                            2025a
urllib3
                                              py312haa95532_0
                            2.3.0
                                                   haa95532_4
                            14.42
VC
vs2015_runtime
                                                   he0abc0d 4
                            14.42.34433
wcwidth
                            0.2.5
                                                 pyhd3eb1b0_0
                                              py312haa95532_0
                            0.45.1
wheel
                                              py312haa95532_0
win_inet_pton
                            1.1.0
                            5.6.4
                                                   h4754444_1
XΖ
zlib
                                                   h8cc25b3_1
                            1.2.13
```

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

```
AOSP
                                   Anaconda 软件仓库
Adoptium
CPAN
                                  ☑ 是否使用 HTTPS
☐ 是否使用 sudo
                                   项目简介
                                   Anaconda 是一个用于科学计算的 Python 发行版,支持 Linux, Mac, Windows, 包含了众多流行的科学计算、数据分析的 Python 包。
NetBSD
                                   Anaconda 安装包可以到以下链接下载。
OpenBSD
                                   https://mirrors.tuna.tsinghua.edu.cn/anaconda/archive/
OpenMediaVault
alpine
                                   使用方法
                                  镍酸站提供了 Anaconda 仓库与第三方源(conda-forge、msys2,pytorch 等,各镜像站镜像的第三方源并不相同,可以参考下方「第三方镜像源」一节)的镜像、各系统都可以通过修改用户目录下的 .condarc 文件来使用镜像站。
anthon
                                   不同系统下的 .condarc 目录如下:
                                   - Linux: $\text{\text{HOME}}/.condarc
- macOS: $\text{\text{\text{HOME}}/.condarc}
- Windows: C:\Users\<YourUserName>\.condarc
archlinuxarm
                                  注:
*Windows用户无法直接创建名为 .condarc 的文件,可先执行 conda config --set show_channel_urls yes 生成该文件之后再修
archlinuxcn
armbian
                                   改。
*由于更新过快难以同步,TUNA等镜像站不同步 pytorch-nightly,pytorch-nightly-cpu,ignite-nightly 这三个包。
bazel-apt
```

```
MINGW64:/c/Users/huangna
conda install polars
     conda-forge
- conda-forge
- https://repo.anaconda.com/pkgs/main
- https://repo.anaconda.com/pkgs/r
- https://repo.anaconda.com/pkgs/msys2
latform: win-64
Collecting package metadata (repodata.json): done
 # Package Plan ##
   environment location: D:\a\envs\proj
   added / updated specs:
         - polars
The following packages will be downloaded:
       package
                                                                                            build
      certifi-2025.1.31
intel-openmp-2024.2.1
libblas-3.9.0
libcblas-3.9.0
libexpat-2.6.4
libhwloc-2.11.2
libiconv-1.18
liblapack-3.9.0
liblapack-3.9.0
                                                                             pyhd8ed1ab_0
                                                                                                                          159 KB conda-forge
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       liblzma-5.6.4
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packaging-24.2
polars-1.24.0
python-3.12.9
python_abi-3.12
tbb-2021.13.0
tk-8.6.13
ucrt-10.0.22621.0
vc14_runtime-14.42.34438
vs2015_runtime-14.42.34438
zlib-1.3.1
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py312h3fc9636_0

|h3f84c4b_1_cpython

5_cp312

| h62715c5_1

| h5226925_1

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       zlib-1.3.1
                                                                                  h2466b09_2
                                                                                                                          105 KB
                                                                                          Total:
                                                                                                                      177.9 MB
The following NEW packages will be INSTALLED:
                                           conda-forge/win-64::intel-openmp-2024.2.1-h57928b3_1083
conda-forge/win-64::libblas-3.9.0-31_h641d27c_mkl
conda-forge/win-64::libcblas-3.9.0-31_h5e41251_mkl
conda-forge/win-64::libexpat-2.6.4-he0c23c2 0
   intel-openmp
   libblas
   libcblas
```

使用 pip install 命令往 Conda 环境里安装 Python 软件包,并验证版本