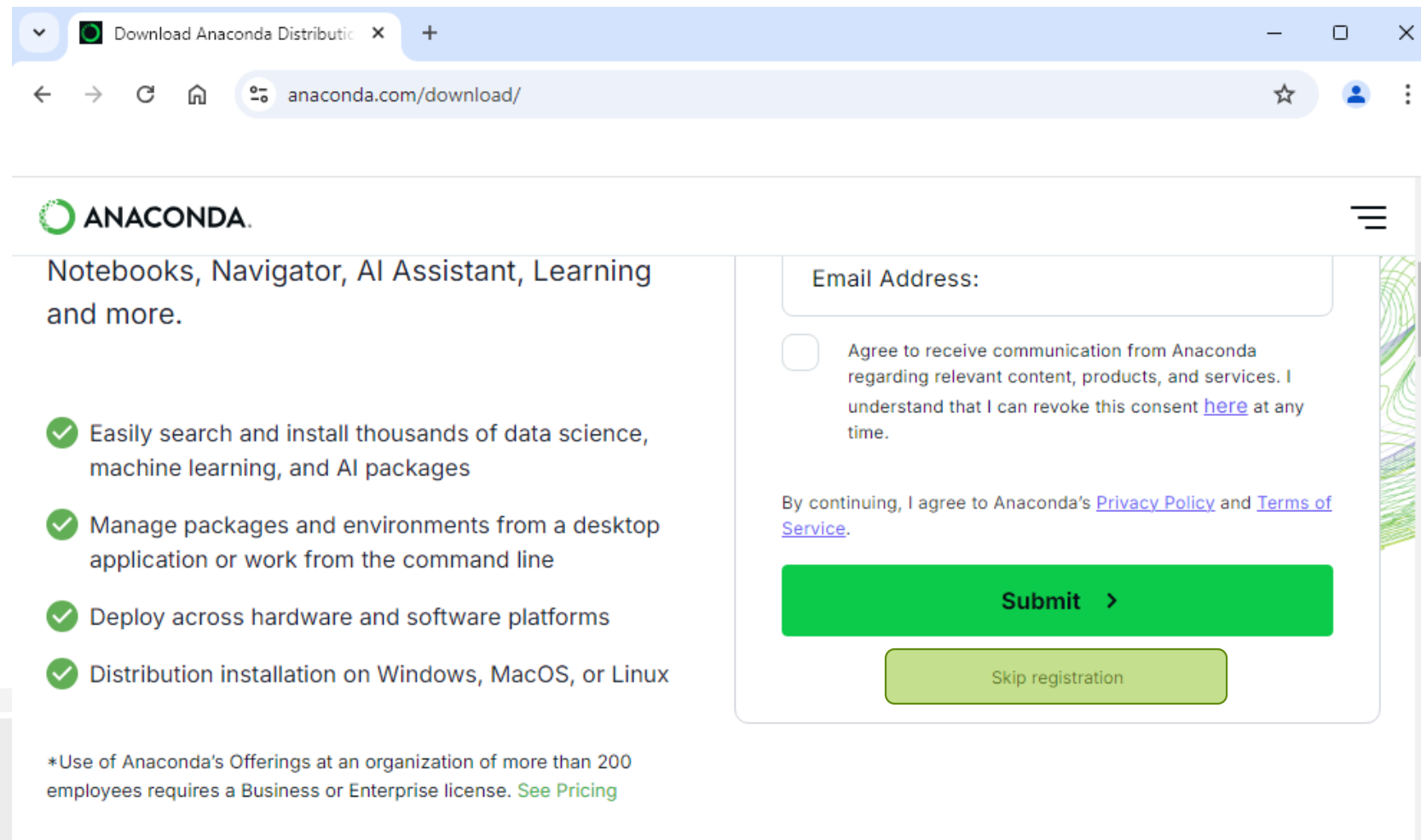




Installing Miniconda

Installing Miniconda

- Go to <https://www.anaconda.com/download>



The screenshot shows a web browser window with the address bar displaying 'anaconda.com/download/'. The page features the Anaconda logo and a list of features: 'Notebooks, Navigator, AI Assistant, Learning and more.', 'Easily search and install thousands of data science, machine learning, and AI packages', 'Manage packages and environments from a desktop application or work from the command line', 'Deploy across hardware and software platforms', and 'Distribution installation on Windows, MacOS, or Linux'. On the right side, there is a registration form with an 'Email Address' input field, a checkbox for agreeing to communication, and a 'Submit' button. A 'Skip registration' button is also present. A footer note states: '*Use of Anaconda's Offerings at an organization of more than 200 employees requires a Business or Enterprise license. See Pricing'.

Download Anaconda Distribut

anaconda.com/download/

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Notebooks, Navigator, AI Assistant, Learning and more.

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Installing Miniconda

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 ANACONDA


Miniconda Installers



Windows

Python 3.12


⬇️ [64-Bit Graphical Installer](#)



Mac

Python 3.12

- ⬇️ 64-Bit (Apple silicon) Graphical Installer
- ⬇️ 64-Bit (Apple silicon) Command Line Installer
- ⬇️ 64-Bit (Intel chip) Graphical Installer



Linux

Python 3.12

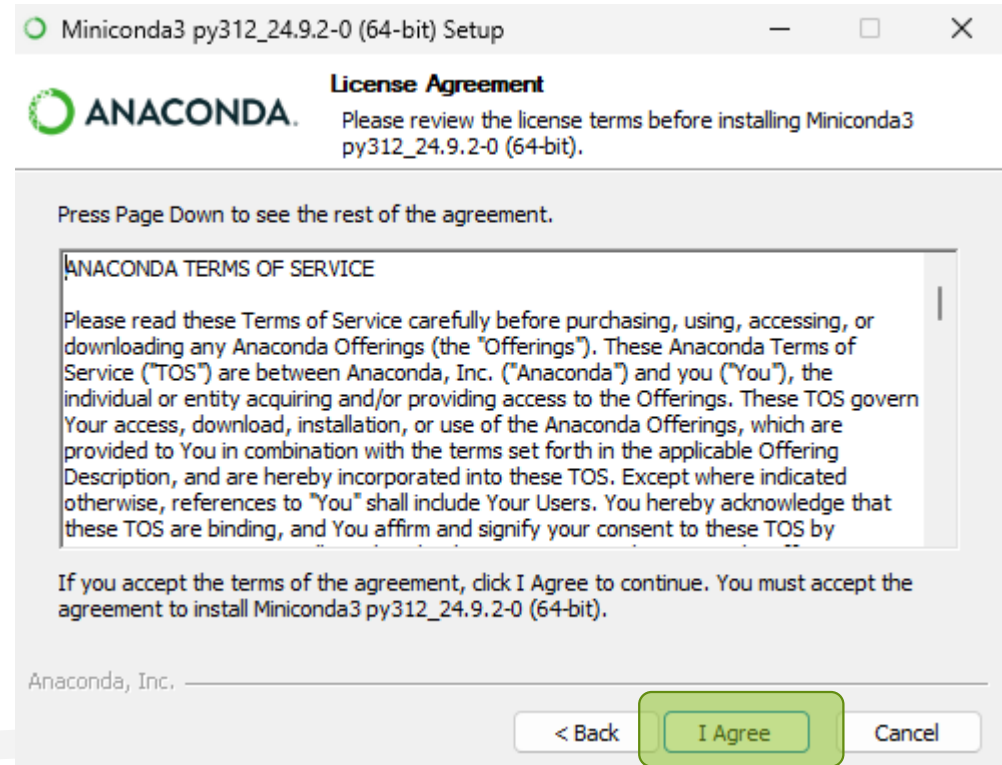
- ⬇️ 64-Bit (x86) Installer
- ⬇️ 64-Bit (AWS Graviton2 / ARM64) Installer
- ⬇️ 64-bit (Linux on IBM Z & LinuxONE) Installer

Hi, how can I help?

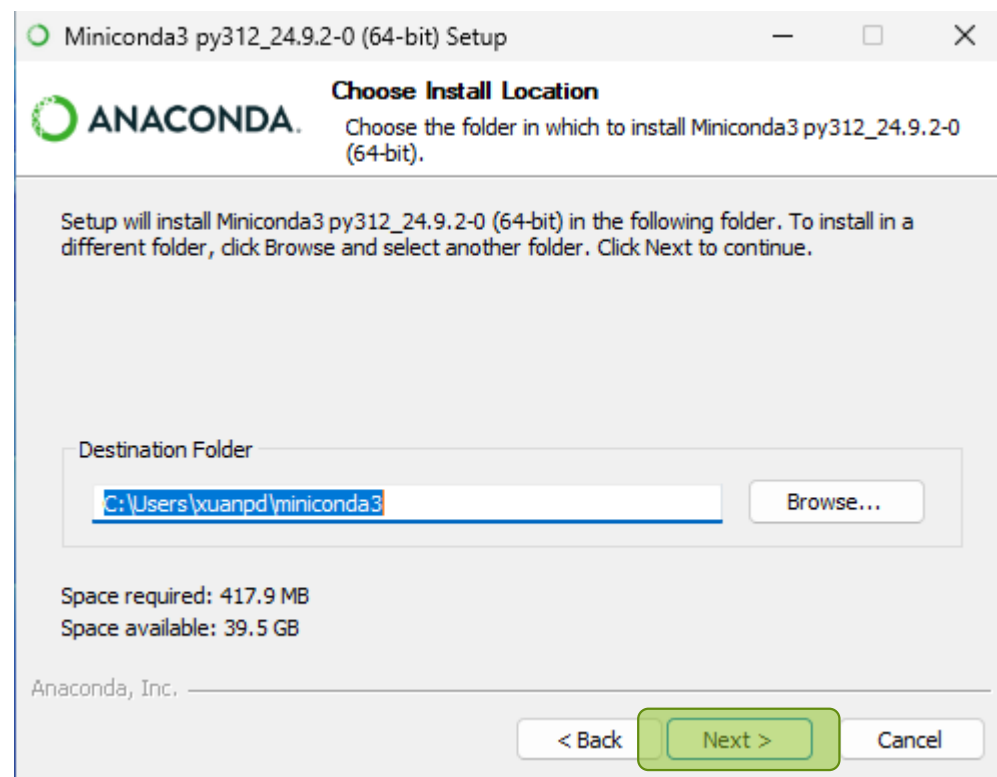
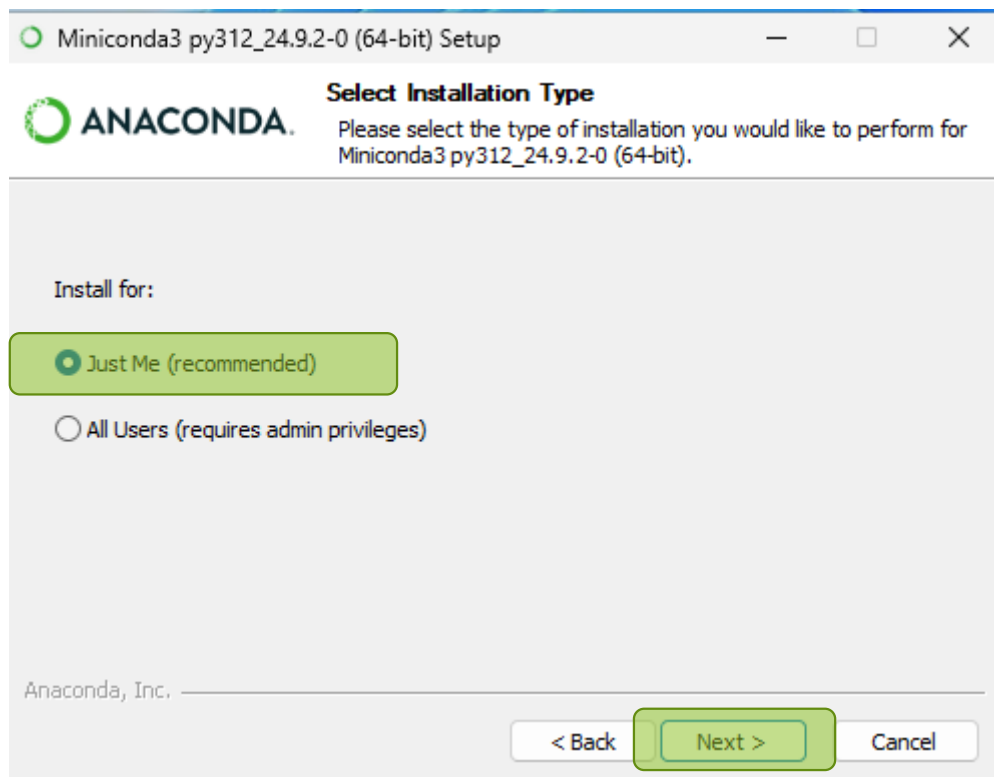
download **Miniconda3-latest-Windows-x86_64.exe**

Installing Miniconda

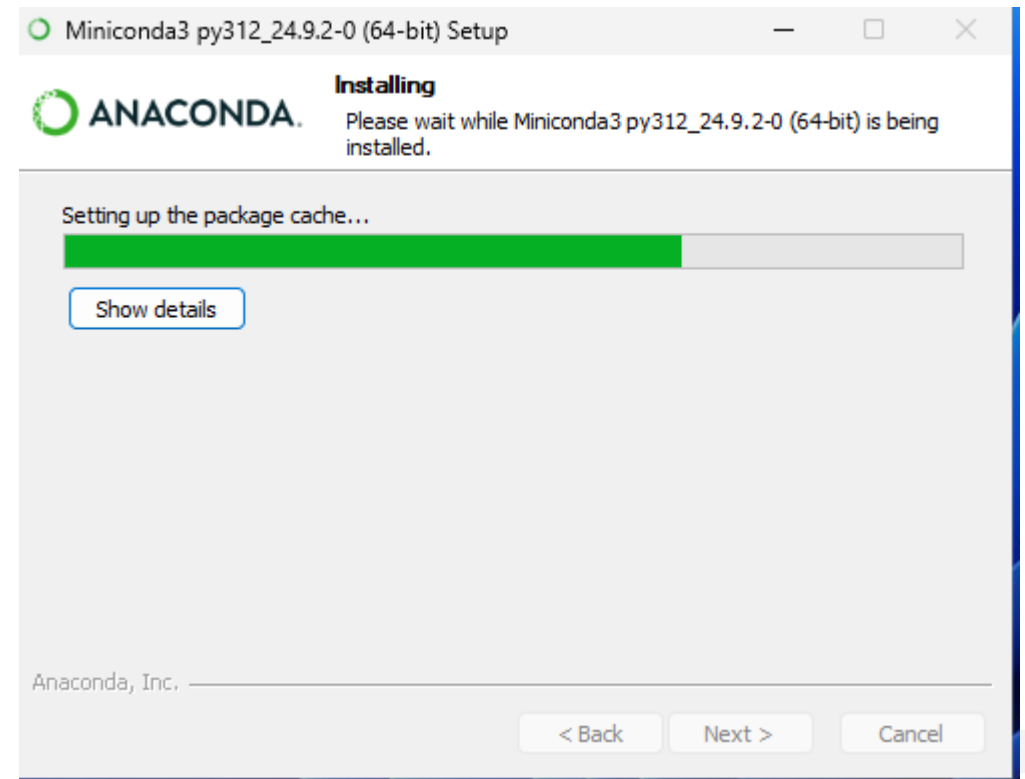
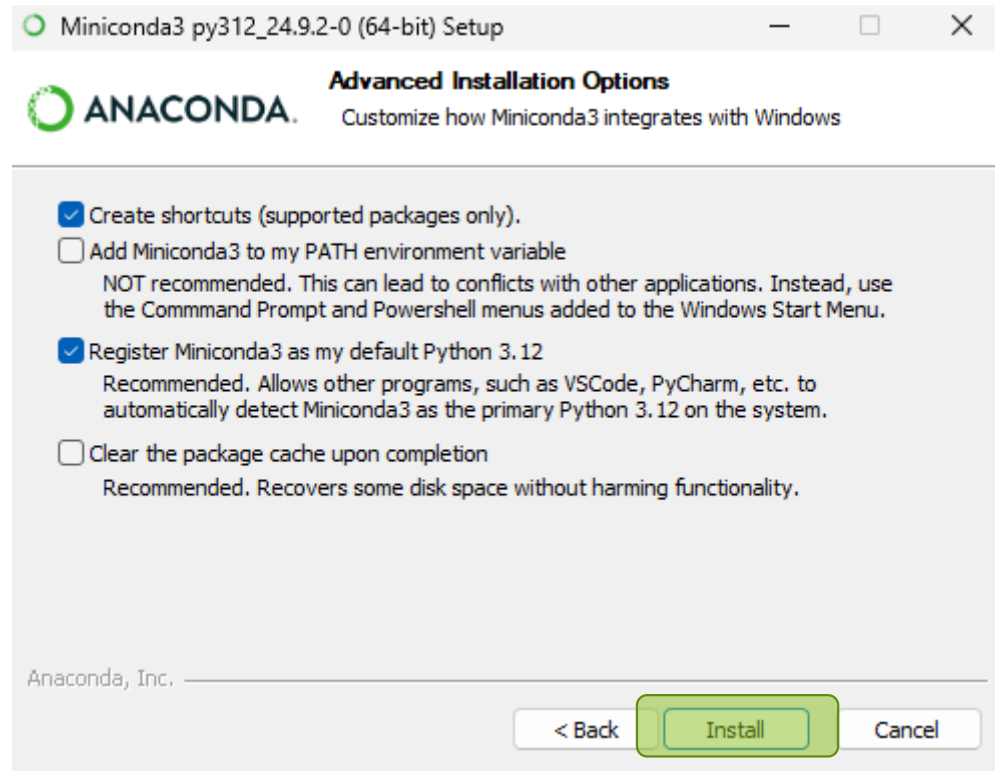
- Run the file **Miniconda3-latest-Windows-x86_64.exe**



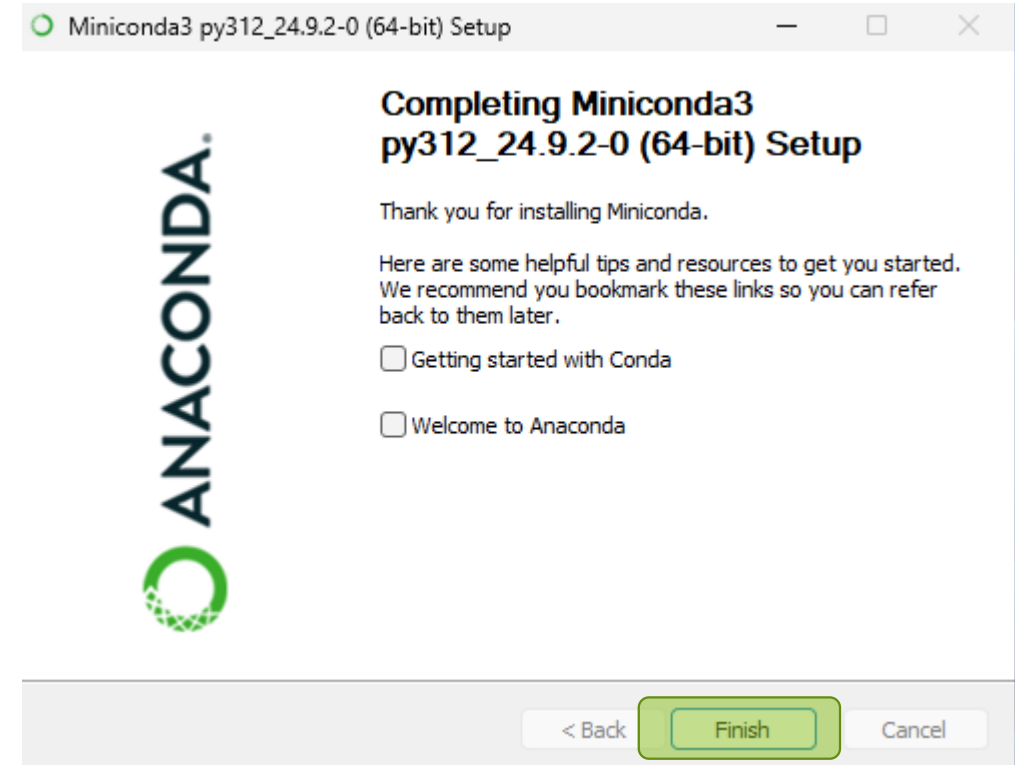
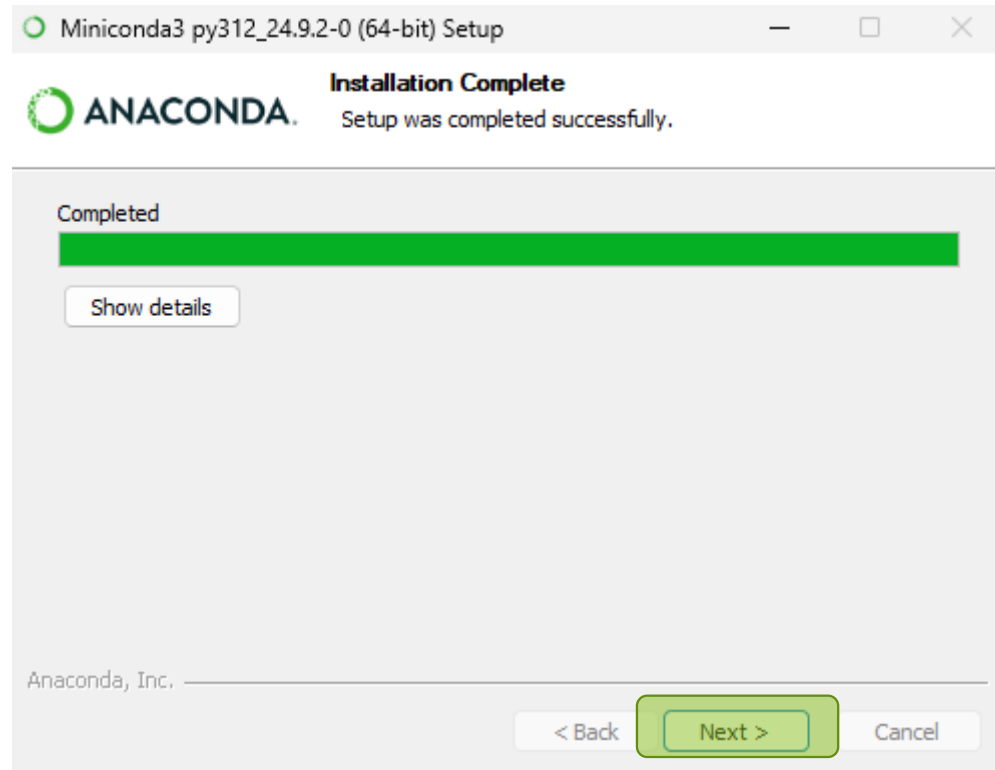
Installing Miniconda



Installing Miniconda



Installing Miniconda



Installing Miniconda

Running Anaconda Prompt

- Run Anaconda Prompt

```
(base) C:\Users\xuanpd>conda --version
conda 24.9.2

(base) C:\Users\xuanpd>conda env list
# conda environments:
#
base                * C:\Users\xuanpd\miniconda3

(base) C:\Users\xuanpd>
```

```
Anaconda Prompt

(base) C:\Users\xuanpd>conda --help
usage: conda-script.py [-h] [-v] [--no-plugins] [-V] COMMAND ...

conda is a tool for managing and deploying applications, environments and packages.

options:
  -h, --help            Show this help message and exit.
  -v, --verbose          Can be used multiple times. Once for detailed output,
                        twice for INFO logging, thrice for DEBUG logging, four
                        times for TRACE logging.
  --no-plugins           Disable all plugins that are not built into conda.
  -V, --version          Show the conda version number and exit.

commands:
  The following built-in and plugins subcommands are available.

COMMAND
  activate              Activate a conda environment.
  clean                 Remove unused packages and caches.
  commands              List all available conda subcommands (including those
                        from plugins). Generally only used by tab-completion.
  compare               Compare packages between conda environments.
  config                Modify configuration values in .condarc.
  content-trust          Signing and verification tools for Conda
  create                Create a new conda environment from a list of specified
                        packages.
  deactivate             Deactivate the current active conda environment.
  doctor                Display a health report for your environment.
  export                Export a given environment
  info                  Display information about current conda install.
  init                  Initialize conda for shell interaction.
  install               Install a list of packages into a specified conda
                        environment.
  list                  List installed packages in a conda environment.
  notices               Retrieve latest channel notifications.
  package               Create low-level conda packages. (EXPERIMENTAL)
  remove (uninstall)    Remove a list of packages from a specified conda
                        environment.
  rename                Rename an existing environment.
  repoquery             Advanced search for repodata.
  run                   Run an executable in a conda environment.
  search                Search for packages and display associated information
                        using the MatchSpec format.
  update (upgrade)      Update conda packages to the latest compatible version.
```




Installing Miniconda

Create an Environment

- Best practice, use an environment rather than install in the **base** env.
- Create a new environment named **data-privacy-env**, with Python 3.12

```
(base) C:\Users\xuanpd>conda create -n data-privacy-env python=3.12
Channels:
  - defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\xuanpd\miniconda3\envs\data-privacy-env

added / updated specs:
  - python=3.12
```

```
(base) C:\Users\xuanpd>conda env list
# conda environments:
#
base                * C:\Users\xuanpd\miniconda3
data-privacy-env    C:\Users\xuanpd\miniconda3\envs\data-privacy-env

(base) C:\Users\xuanpd>
```



Installing Miniconda

Activate an Environment

- Activate the **data-privacy-env** environment

```
(base) C:\Users\xuanpd>conda activate data-privacy-env

(data-privacy-env) C:\Users\xuanpd>conda env list
# conda environments:
#
base                C:\Users\xuanpd\miniconda3
data-privacy-env    * C:\Users\xuanpd\miniconda3\envs\data-privacy-env

(data-privacy-env) C:\Users\xuanpd>
```

Installing Miniconda

Installing **numpy**

- Install **numpy** module in the **data-privacy-env** environment

```
(data-privacy-env) C:\Users\xuanpd>conda install numpy
Channels:
- defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

## Package Plan ##

environment location: C:\Users\xuanpd\miniconda3\envs\data-privacy-env

added / updated specs:
- numpy
```

```
(data-privacy-env) C:\Users\xuanpd>python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import numpy
>>> numpy.__version__
'2.1.3'
>>> |
```



Installing Miniconda

Installing **pandas**

- Install **pandas** module in the **data-privacy-env** environment

```
(data-privacy-env) C:\Users\xuanpd>conda install pandas
Channels:
  - defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\xuanpd\miniconda3\envs\data-privacy-env

  added / updated specs:
    - pandas
```

```
(data-privacy-env) C:\Users\xuanpd>python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct  4 2024, 13:17:27) [MSC v.1929
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import numpy
>>> numpy.__version__
'1.26.4'
>>> import pandas
>>> pandas.__version__
'2.2.2'
```



Installing Miniconda

Installing **matplotlib**

- Install **matplotlib** module in the **data-privacy-env** environment

```
(data-privacy-env) C:\Users\xuanpd>conda install matplotlib
Channels:
  - defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\xuanpd\miniconda3\envs\data-privacy-env

  added / updated specs:
    - matplotlib
```

```
(data-privacy-env) C:\Users\xuanpd>python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import matplotlib
>>> matplotlib.__version__
'3.9.2'
>>>
```



Installing Miniconda

Installing **seaborn**

- Install **seaborn** module in the **data-privacy-env** environment
 - **conda install seaborn**



Installing Miniconda

Installing **sci**

- Install **sci** module in the **data-privacy-env** environment
 - **conda install sci**



Installing Miniconda

Installing **notebook** module

- Install **notebook** module in the **data-privacy-env** environment

```
(data-privacy-env) C:\Users\xuanpd>conda install notebook
Channels:
  - defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\xuanpd\miniconda3\envs\data-privacy-env

  added / updated specs:
    - notebook
```

- Run notebook: **jupyter notebook**