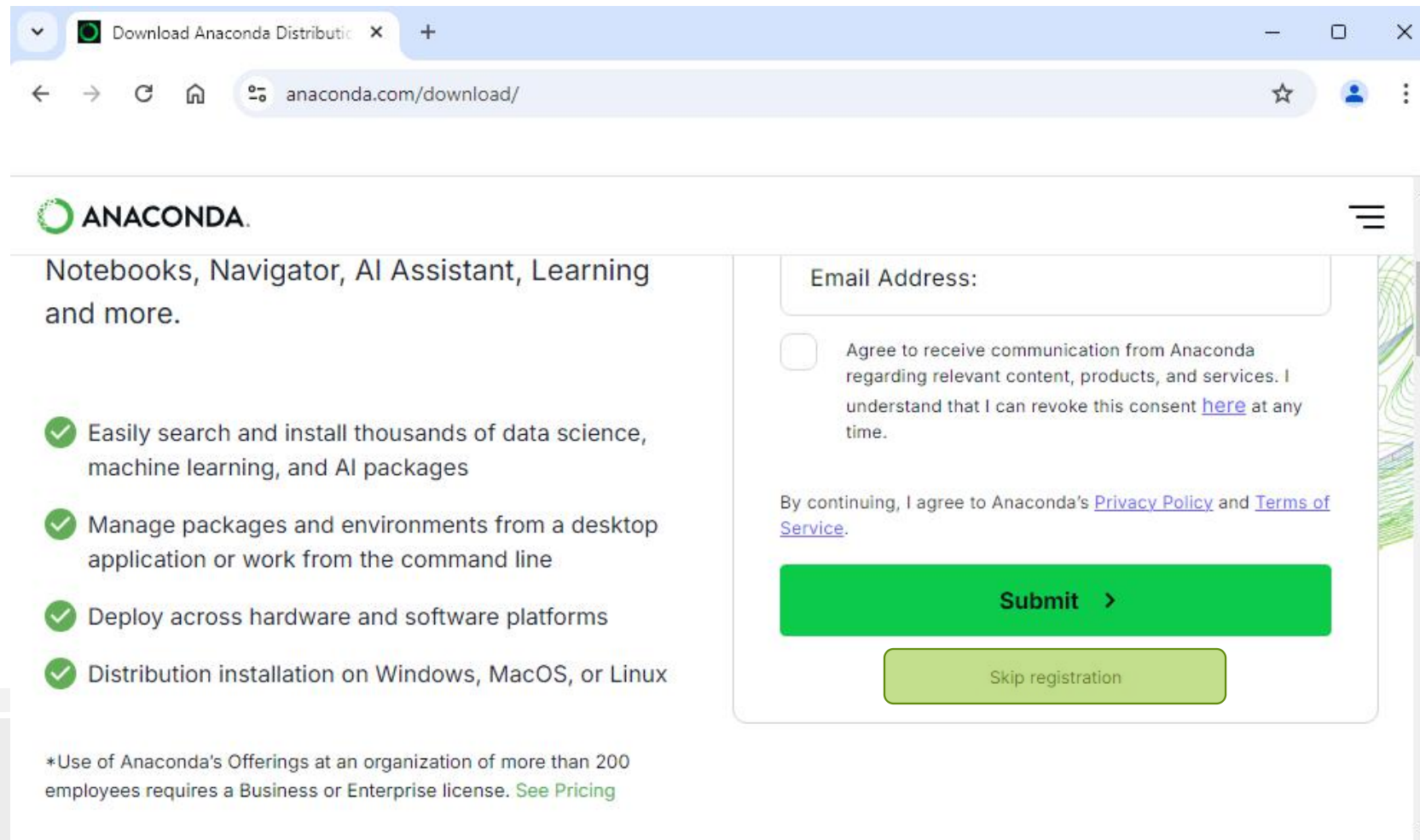




Installing Miniconda

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 located below the 'Submit >' button. At the bottom left, a note states: '*Use of Anaconda's Offerings at an organization of more than 200 employees requires a Business or Enterprise license. See Pricing'.

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anaconda.com/download/

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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
- ✓ Distribution installation on Windows, MacOS, or Linux

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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

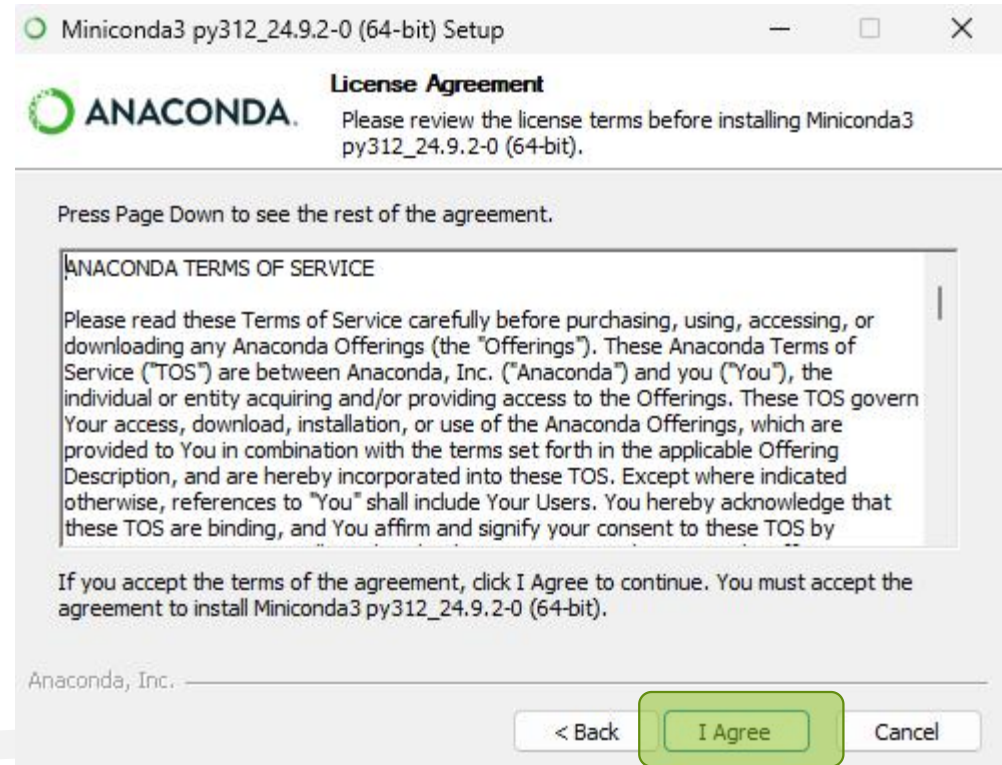
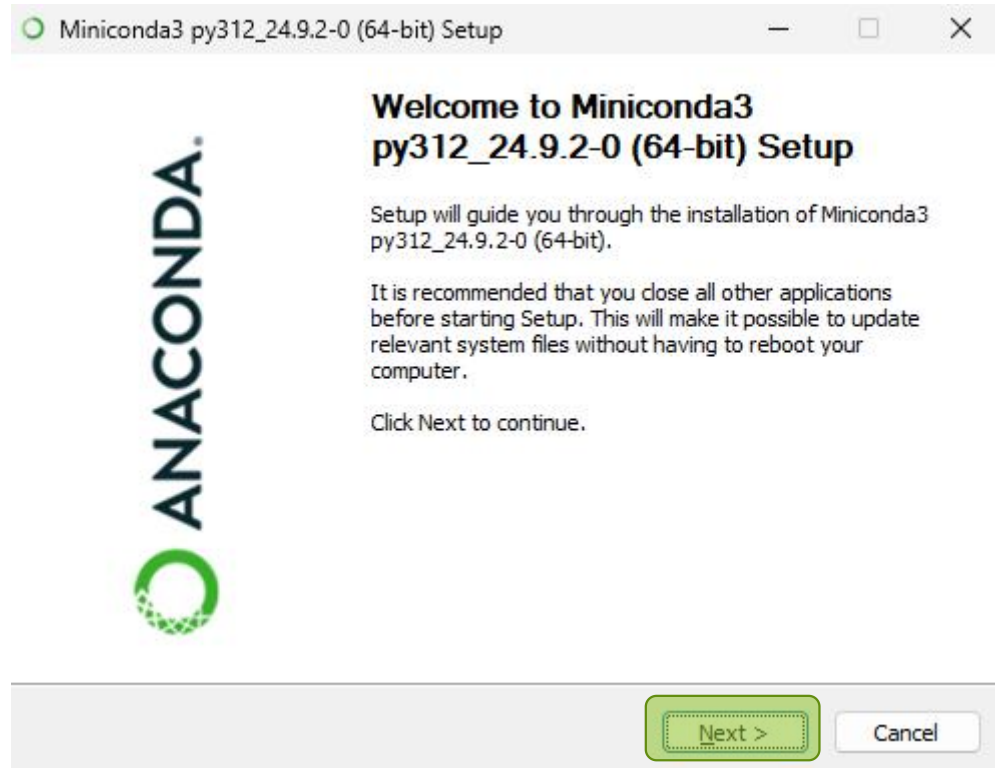
- ⬇️ 64-Bit (x86) Installer
- ⬇️ 64-Bit (AWS Graviton2 / ARM64) Installer
- ⬇️ 64-bit (Linux on IBM Z & LinuxONE) Installer

Hi, how can I help?

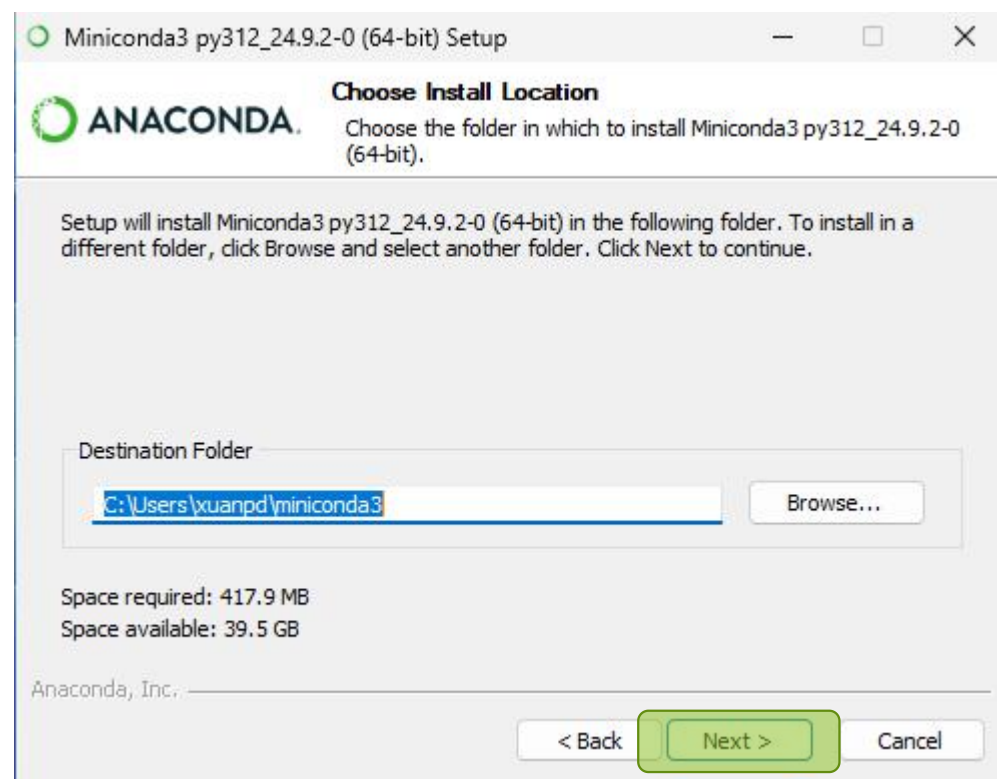
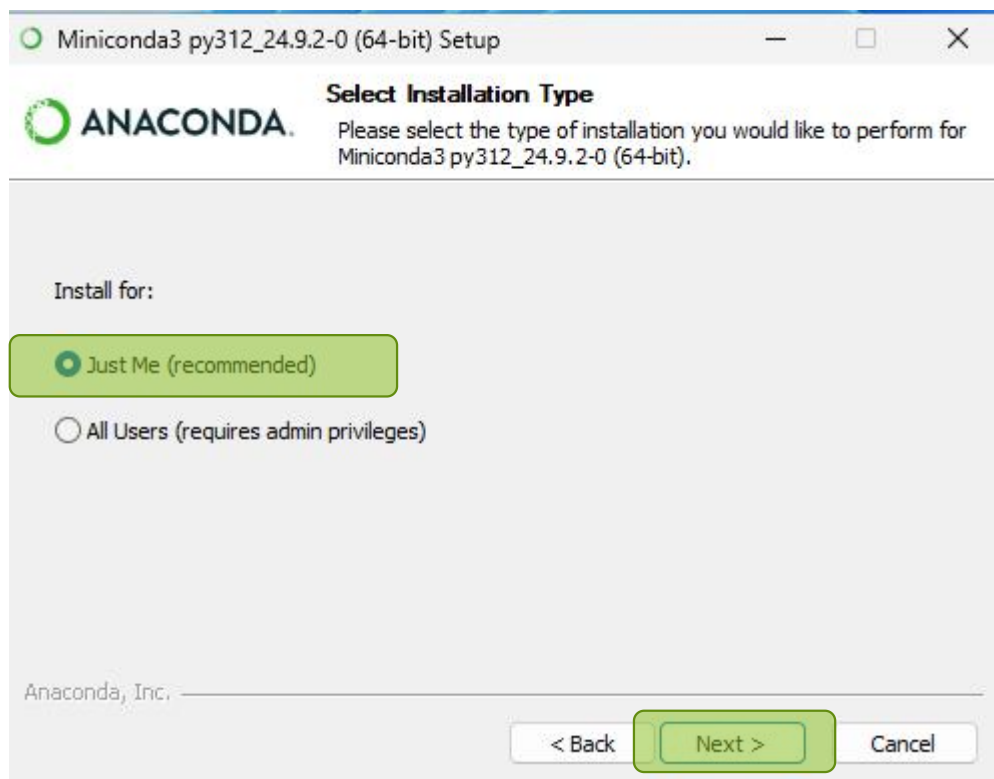
download **Miniconda3-latest-Windows-x86_64.exe**

Installing Miniconda

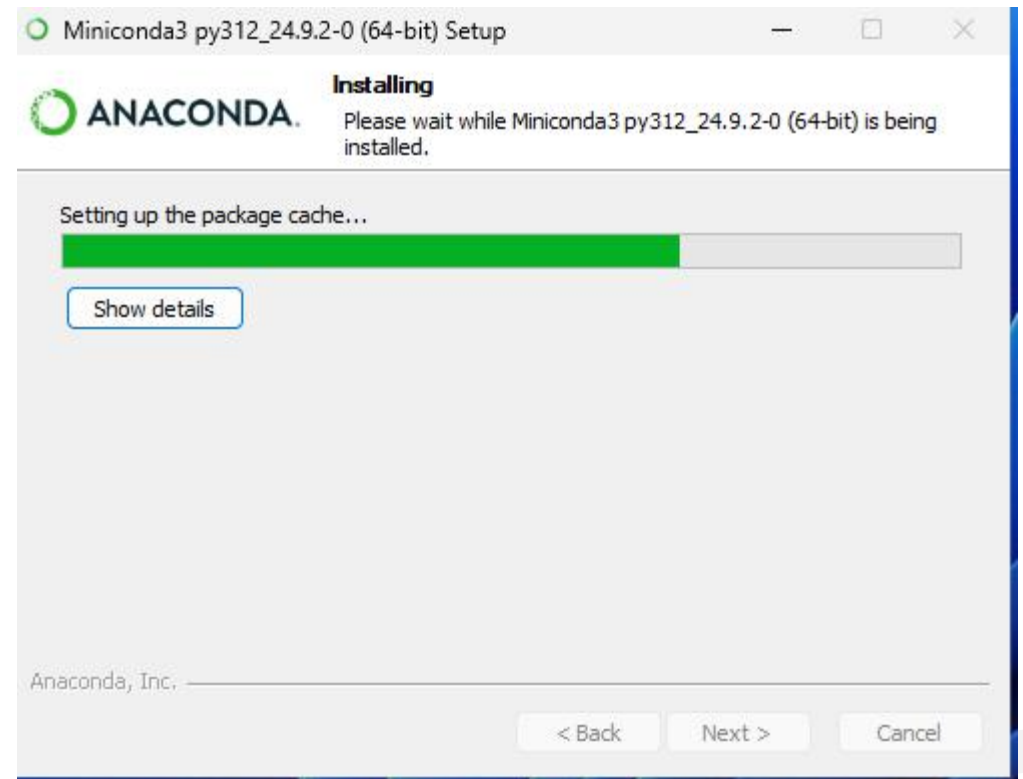
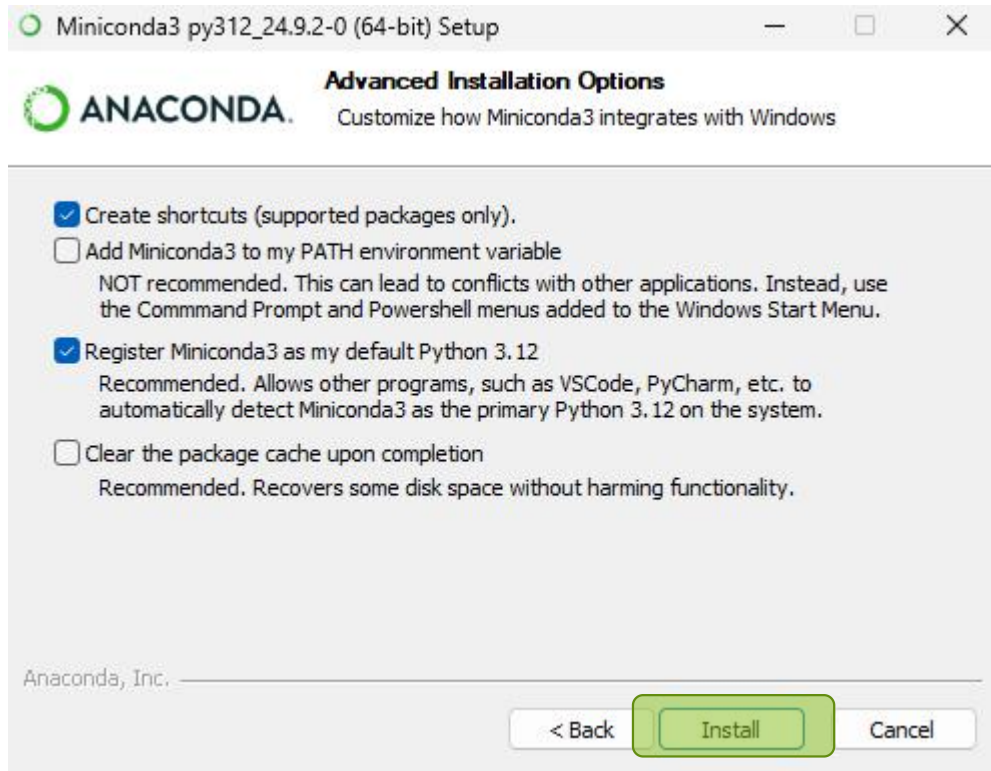
- Run the file **Miniconda3-latest-Windows-x86_64.exe**



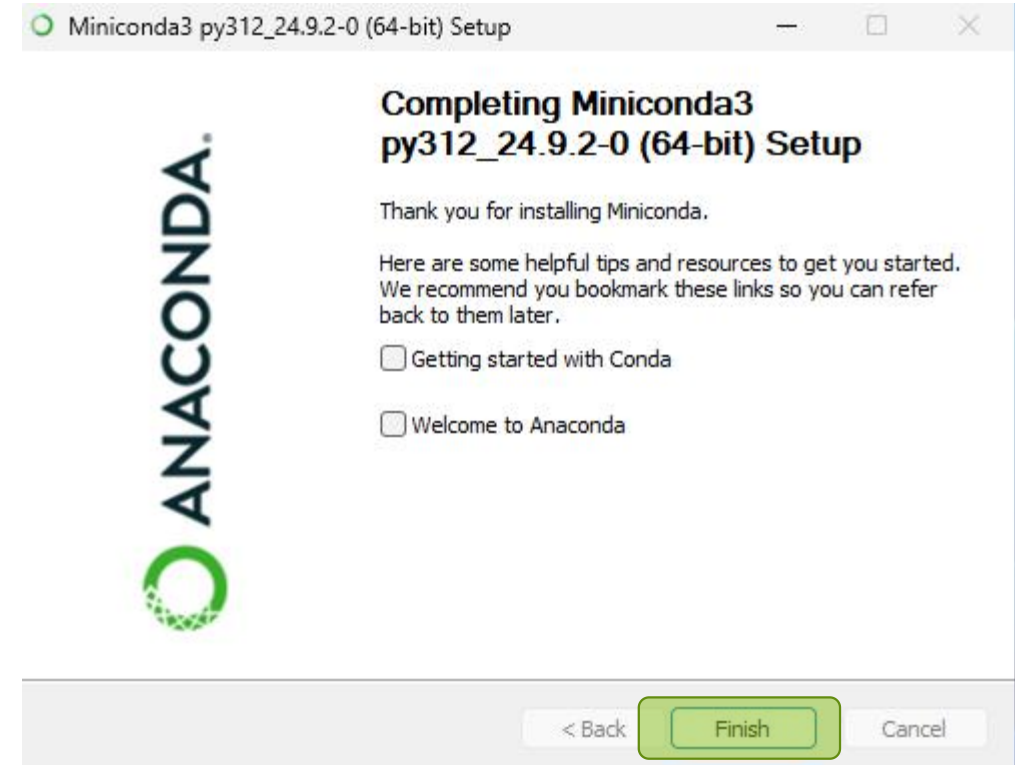
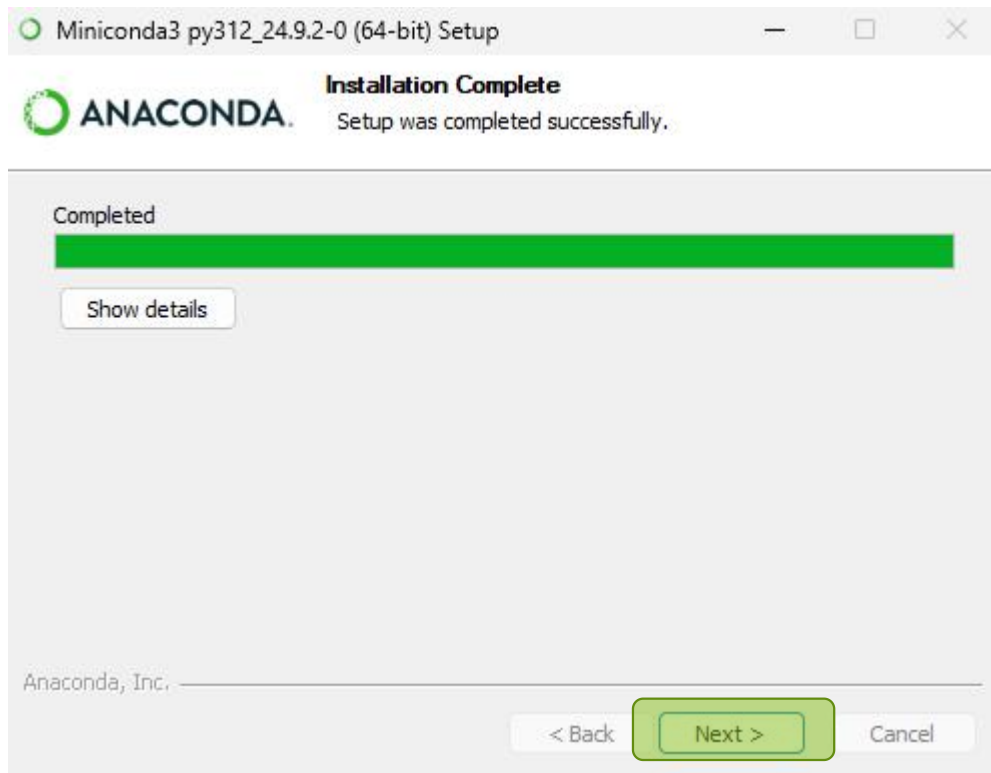
Installing Miniconda



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 **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
```