Official install guide:
https://www.cvxpy.org/install/index.html

Overall steps:

1. Install **python environment** (python3 recommended)
2. Use **pip** to install *cvxpy* module

Detailed steps:

■ Linux

1. Commands for installing python3

   apt-get install python3

2. Commands for installing pip

   apt-get install python3-pip

3. Commands for installing cvxpy module

   pip3 install cvxpy

*Note that

- ✧ You can add *-i https://pypi.tuna.tsinghua.edu.cn/simple* to **command 3** to speed up the download.
- ✧ *apt-get* is the common installation command for Ubuntu, for other versions of linux, use their corresponding installation commands, e.g. *yum* for Centos.

4. Commands to validate the installation

   python3 (enter python3 console)

   import cvxpy (installation is success if no error is reported)

■ Windows

1. Pre-requirements

- ➢ Download and install the Visual Studio build tools for Python 3.

https://visualstudio.microsoft.com/zh-hans/thank-you-downloading-visual-studio/?sku=BuildTools&rel=16

- ➢ Remember to choose C++ support in the first installation window.

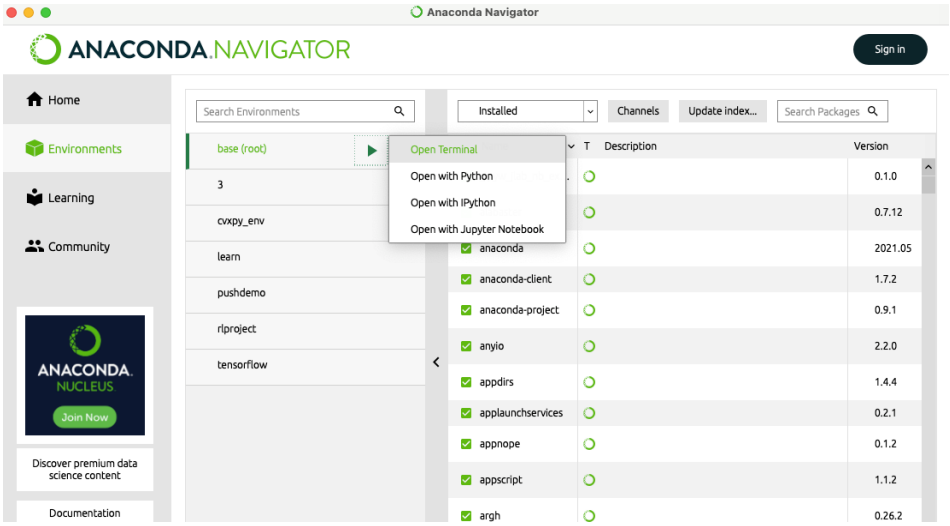
2. Install python3
   - Download python3 package for windows
     https://www.python.org/

   - Install the package.
3. Install cvxpy module
   - Open cmd terminal

   - Run command: *pip install cvxpy*
4. Commands to validate the installation
   - Open cmd terminal
   - *python* (enter python3 console)
   - *import cvxpy* (installation is success if no error is reported)

■ MacOS

1. (if you already installed anaconda, you can skip this step) install anaconda from https://www.anaconda.com/products/individual
2. Create a new virtual environment for cvxpy
   - Open anaconda navigator and click **Environment->base(root)->Open Terminal**



- In the terminal you can create a new environment by run:

  conda create --name cvxpy_env

  activate cvxpy_env

- Install cvxpy by run:

  conda install -c conda-forge cvxpy

- Test the installation by checking if you can *import cvxpy* in your code.

- Once you have complete the above installation, you can launch the cvxpy_env in the anaconda navigator directly.