Install Anaconda and Create Conda Virtual Environment

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Content

- Install Anaconda on different platforms(MacOS, Windows, and Windows).
- Create virtual environment.

Install Anaconda on different platforms

- Please visit below webpage and follow the install instruction.
  - **Installing on Linux.**

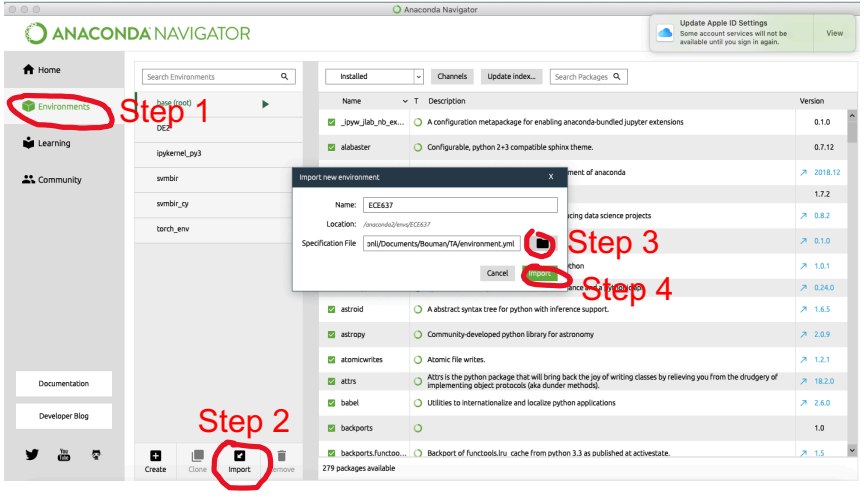
    https://docs.anaconda.com/anaconda/install/linux/
  - **Installing on macOS.**

    https://docs.anaconda.com/anaconda/install/mac-os/
    macOS graphical install is recommended if you are not familiar with command-line.
  - **Installing on Windows.**

    https://docs.anaconda.com/anaconda/install/windows/

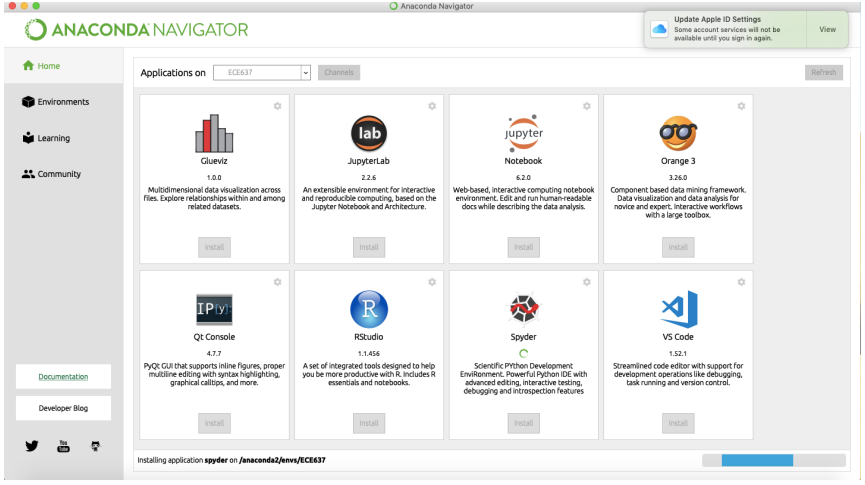
Create virtual environment with Anaconda Navigator

- Open Anaconda Navigator. (MacOS: in LauchPad; Windows: Start Menu)
- Create virtual environment
  - 1. Click Environments in the left section.
  - 2. Click Import.
  - 3. Specification File. Select path to environment.yml.
  - 4. Click Import when it turns green.



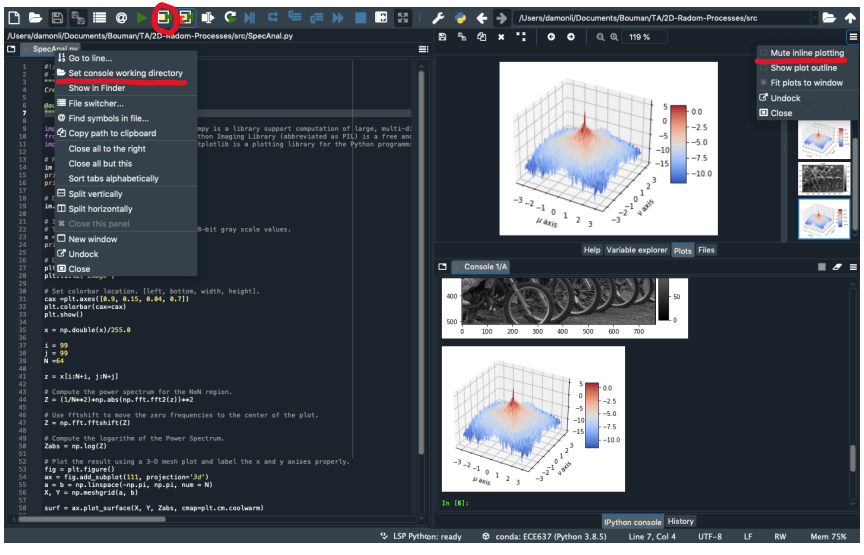
Install Sypder Editor with Anaconda Navigator

- Sypder Editor(optional)
  - 1. Go back to Home section install Spyder to the new virtual environment. (If Spyder not show up, click refresh.)
  - 2. After installed, Click Lauch.



Work in Spyder with both MacOS and Windows.

- Open a file.
- Basic setting
  - 1. Right click open file tap select “set console working directory”
  - 2. In plot section, unclick “Mute inline plotting”
- In console, click F5 or run button to run the code.



Create virtual environment with command-line.

- Download provided environment.yml.
- This instruction mainly for Linux and macOS users. Those users can also use command-line to create virtual environment.
  - 1. Go to a folder including the environment.yml file. Run,
    conda env create -f environment.yml
  - 2. After successfully created a new environment, conda will provide instruction to help you activate the virtual environment. For example,
    conda activate ECE637
    source activate ECE637
  - 3. Use editor to write your python code. Then, run python code. For example, using Lab 2 example code.
    python SpecAnal.py
  - 4. Recommend editor: Spyder, pycharm. There are so many different editors can write python, you can use any editor you are familiar with.