

DATA SOCIETY®

Anaconda and package install instructions

*"One should look for what is and not what he thinks should be."
-Albert Einstein.*



List of software for the class

- Anaconda3 with Python 3.8
- Jupyter Notebook

Install Anaconda

- Visit <https://www.anaconda.com/products/individual>
- Select the appropriate installer for your system:

Anaconda Installers

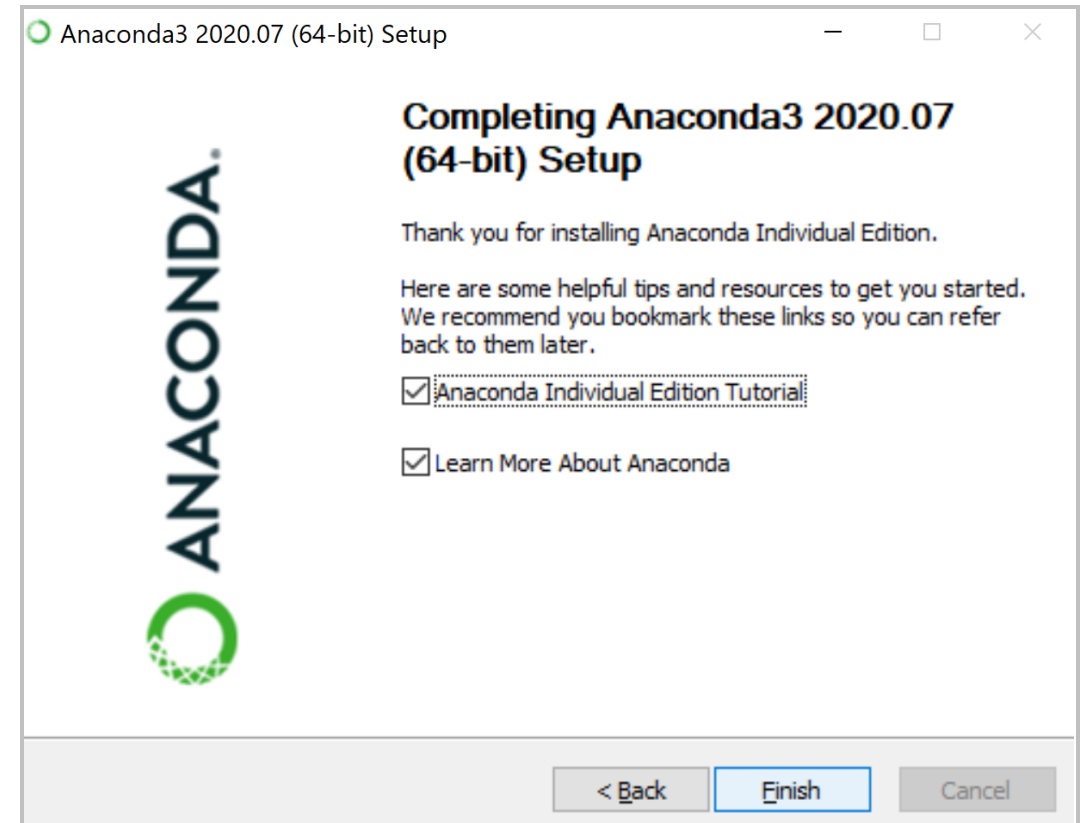
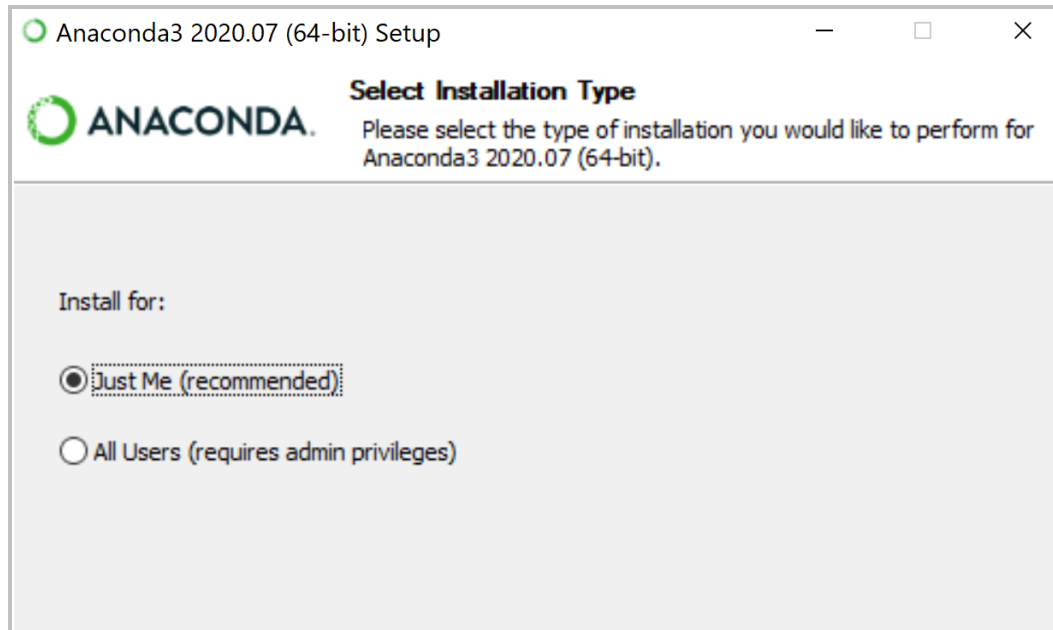
Windows 	MacOS 	Linux 
Python 3.8 64-Bit Graphical Installer (466 MB) 32-Bit Graphical Installer (397 MB)	Python 3.8 64-Bit Graphical Installer (462 MB) 64-Bit Command Line Installer (454 MB)	Python 3.8 64-Bit (x86) Installer (550 MB) 64-Bit (Power8 and Power9) Installer (290 MB)

- For Windows use 64-Bit Graphical Installer (466 MB)
- For Mac use 64-Bit Graphical Installer (462 MB) or 64-Bit Command Line Installer (454 MB)
- For Linux use 64-Bit (x86) Installer (550 MB)

Windows installer steps

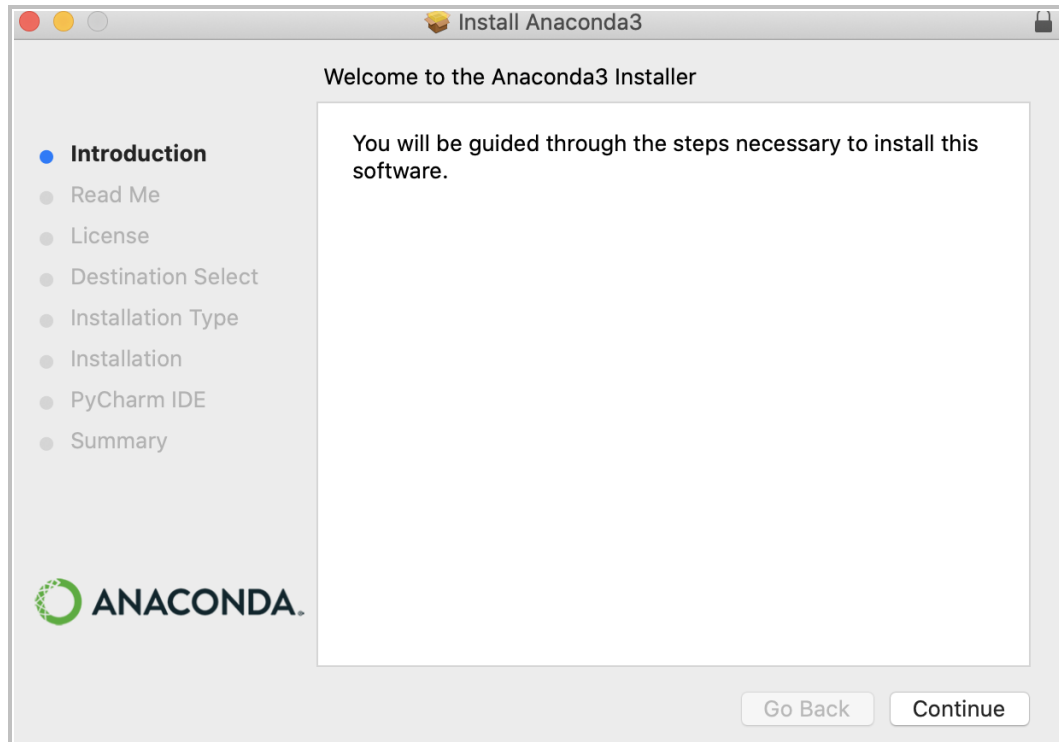
- Windows visual installer will walk you through all the steps, pick all defaults
 - Under the Select Installation Type make sure to pick the installer to pick the installation option for Just Me

- Click on finish once you have installed Anaconda

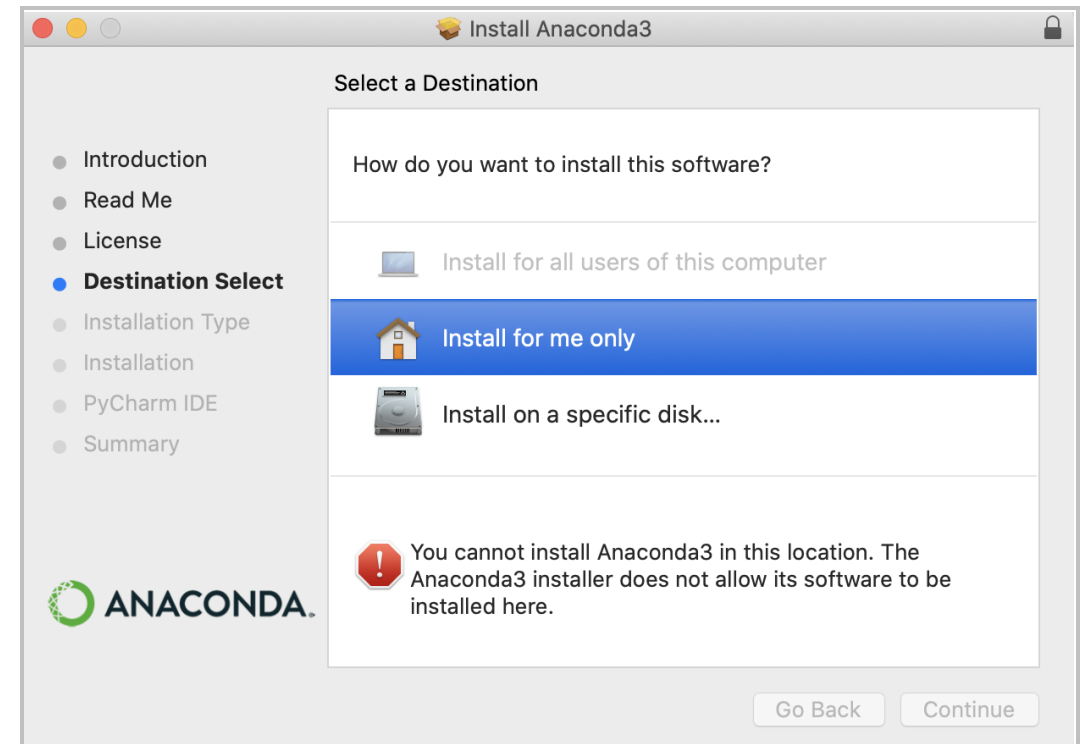


Mac graphical installer steps

- Mac graphical installer will walk you through all the steps, pick all defaults



- Under the Destination Select pick the installation option for Just Me



- Click on Close once you have installed Anaconda

Mac bash installer steps

1. Open the browser and download the command line installer using the link - https://repo.anaconda.com/archive/Anaconda3-2020.07-MacOSX-x86_64.sh
2. Launch the terminal and enter the following command to install Anaconda
 - i. `bash ~/Downloads/Anaconda3-2020.02-MacOSX-x86_64.sh`
3. Press `Enter` to review the license agreement and enter `Yes` to agree
4. Press `Enter` to confirm the default location i.e home directory for installing Anaconda 5. When prompted for **Do you wish the installer to initialize Anaconda3 by running conda init**, enter `Yes`
5. Once installation is completed, the installer displays "Thank you for installing Anaconda!"
6. Close and open the terminal once again for the installation to take effect
 - For detailed installation steps, please follow the steps mentioned in the [link](#)

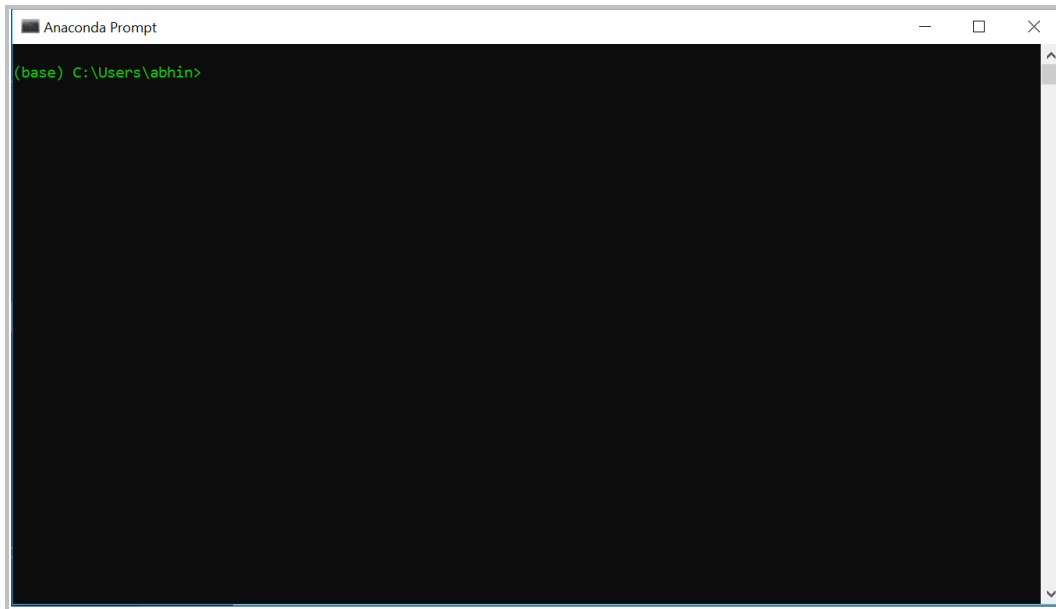
Linux bash installer steps

1. Download the Anaconda installer for Linux in your browser
2. Open the terminal and enter the following command to install Anaconda
 - i. `bash ~/Downloads/Anaconda3-2020.07-Linux-x86_64.sh`
3. Press on `Yes/Enter` to accept the license terms and to accept the default install location
4. Once the installation is successful, the installer prompts **Do you wish the installer to initialize Anaconda3 by running conda init?** Enter `Yes`
5. The installer finishes and displays "Thank you for installing Anaconda3!"
 - For detailed installation steps, please follow the steps mentioned in the [link](#)

Environment and package setup

For Windows

- Open **Anaconda Prompt** from your application explorer



For Mac

- Open your **Terminal**



Environment and package setup

- Create a `nasa-nn` environment

```
conda create -n nasa-nn python=3.8
```

- When prompted to proceed, type `y`
- Activate your conda environment and install `pip` and `jupyter`
 - When prompted to proceed, type `y`

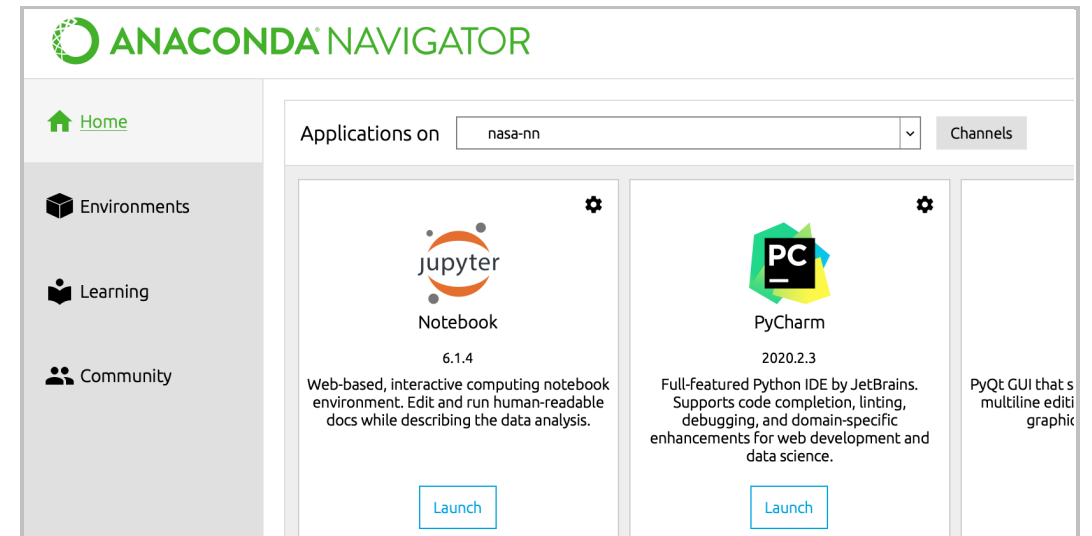
```
conda activate nasa-nn  
conda install pip  
conda install -c anaconda jupyter
```

Run Jupyter notebook

- To start your Jupyter notebook from the terminal type `jupyter-notebook` in your terminal
 - Make sure your `nasa-nn` environment is active!

```
jupyter-notebook
```

- To start your Jupyter notebook from Anaconda Navigator
 - Launch Anaconda Navigator,
 - Click on `Launch` button under Jupyter Notebook
 - Make sure `nasa-nn` is selected in the environment dropdown above!



Environment and package set up (cont'd)

- You should see a (nasa-nn) appear in your terminal preceding your computer and user name
- Navigate to your the folder with class materials, if it's on Desktop it should be

```
cd Desktop/nasa-nn  
pip install -r pip_env.txt
```

- Once installed, you can check your installed packages by running

```
pip list
```

This completes our setup!