End to End Anaconda installation on MacOS

For the purposes of this program and your future work as a data scientist, I recommend installing and using the Anaconda distribution of Python. This section details the installation of the Anaconda distribution of Python on macOS. I think the Anaconda distribution of Python is the best option for data science work. Anaconda is a free and open-source distribution of the python and R programming languages for scientific computing. Anaconda helps simplify package management and deployment. It is distribution because it serves as a central point where you can access a variety of other programs or packages. Anaconda comes bundled with about 600 packages pre-installed including **NumPy**, **Matplotlib**, and **SymPy**. These three packages are very useful for data science work and will be discussed in subsequent chapters.

Follow the steps below to install the Anaconda distribution of Python on macOS.

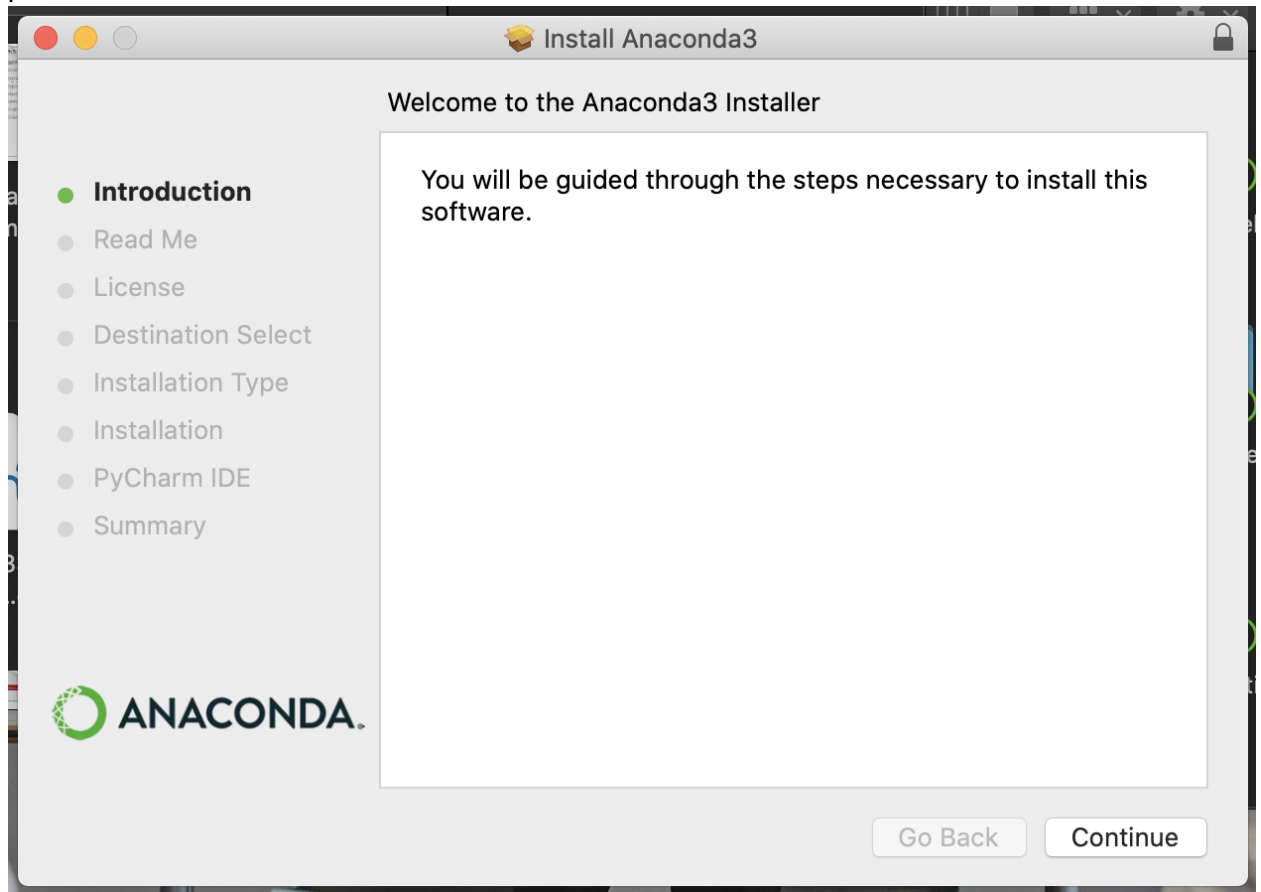## Visit the anaconda website
[Anaconda Individual Edition](#)

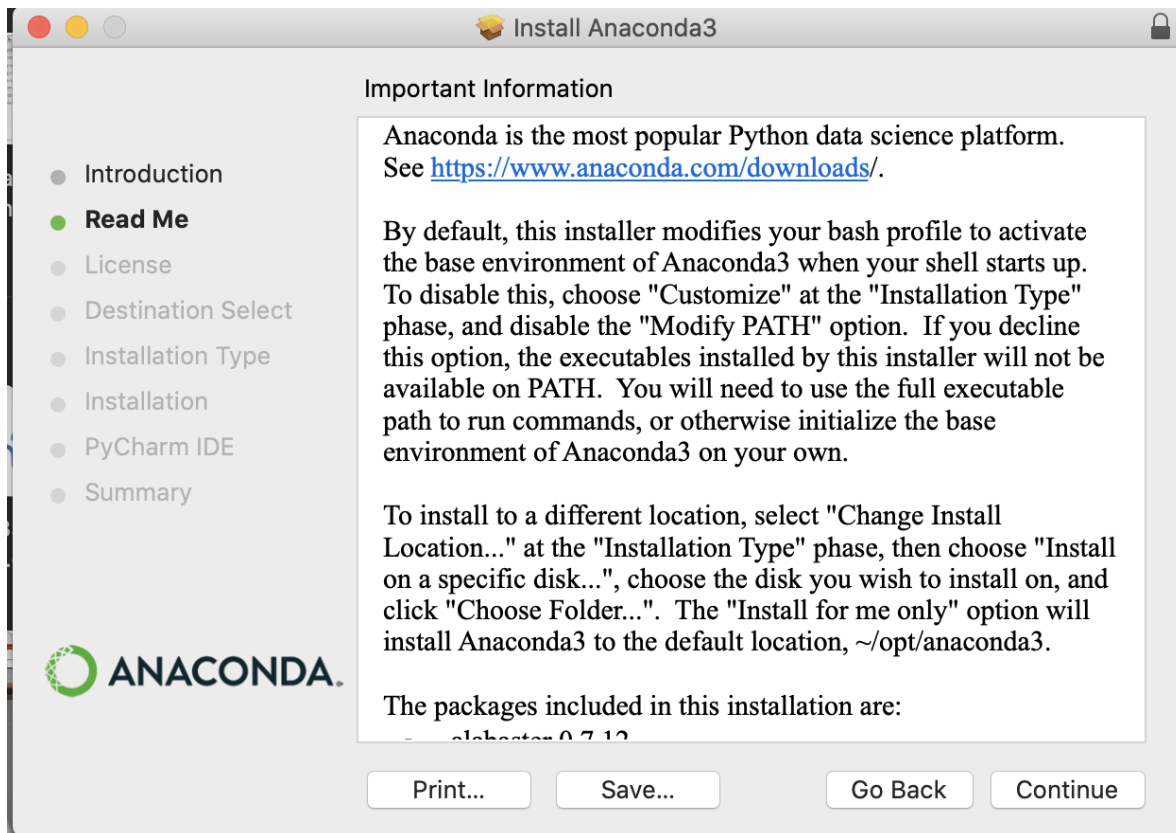Scroll down to the "Anaconda Installers". Picture below

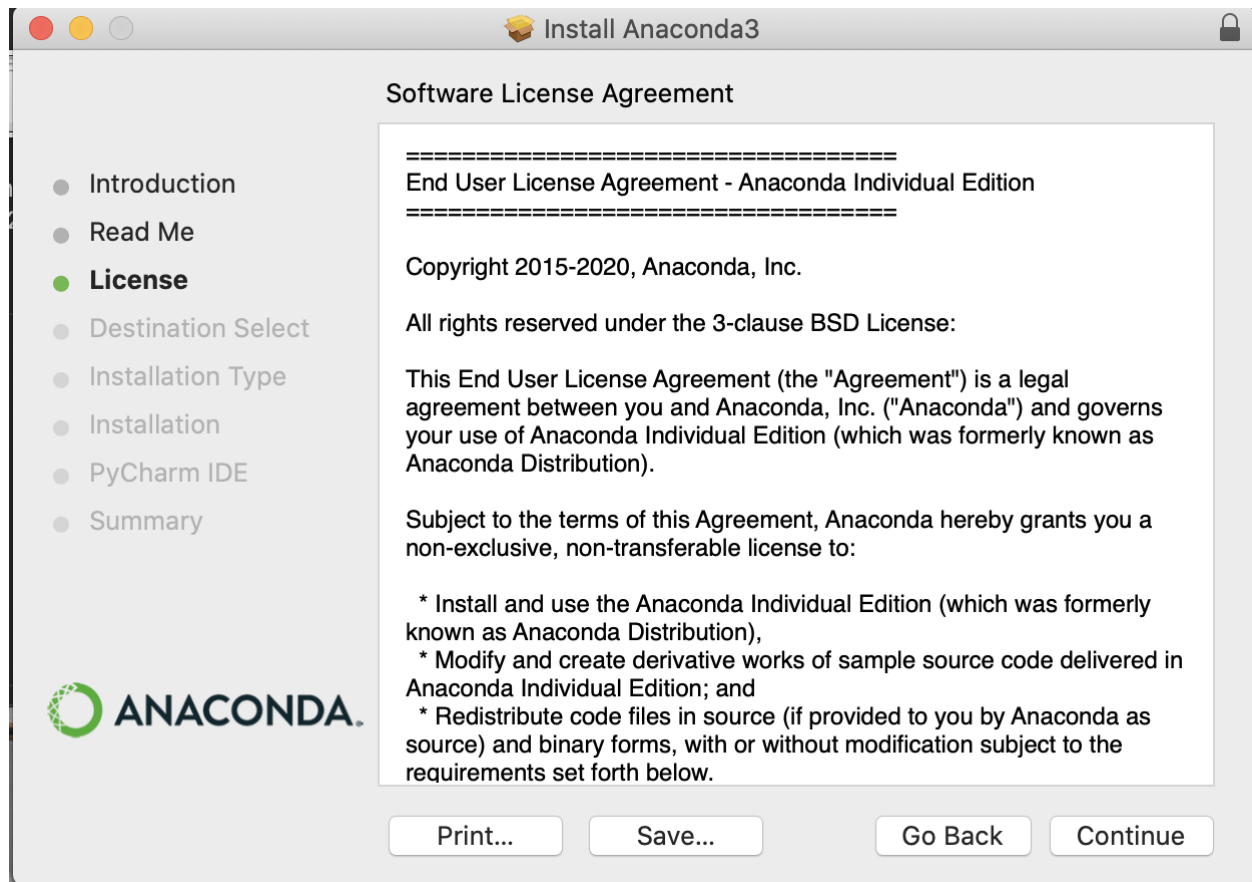Under the MacOS column, click on the "64-Bit Graphical Installer (442 MB) to download.

Run the Installer

1. Double click on the downloaded file to open it. Click on **Continue** to start the installation process.
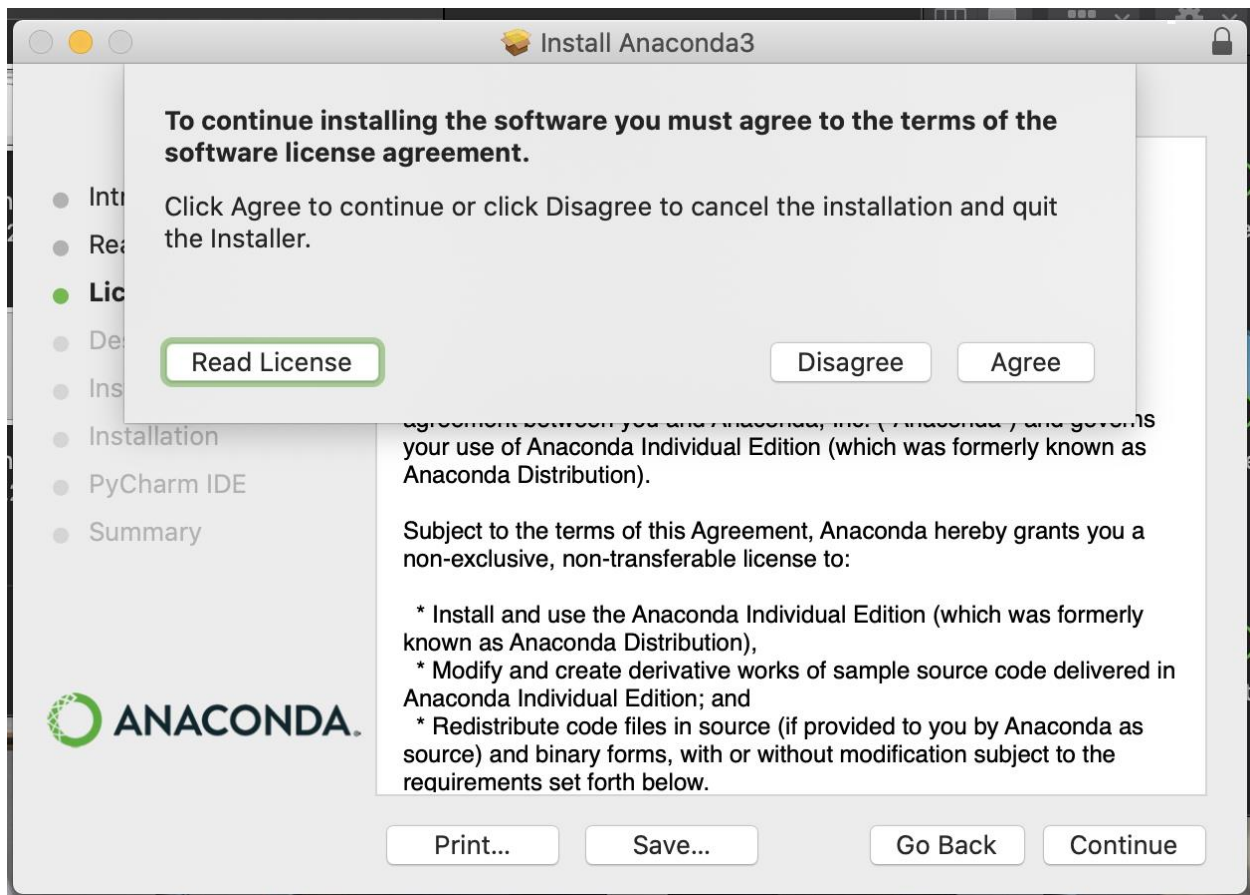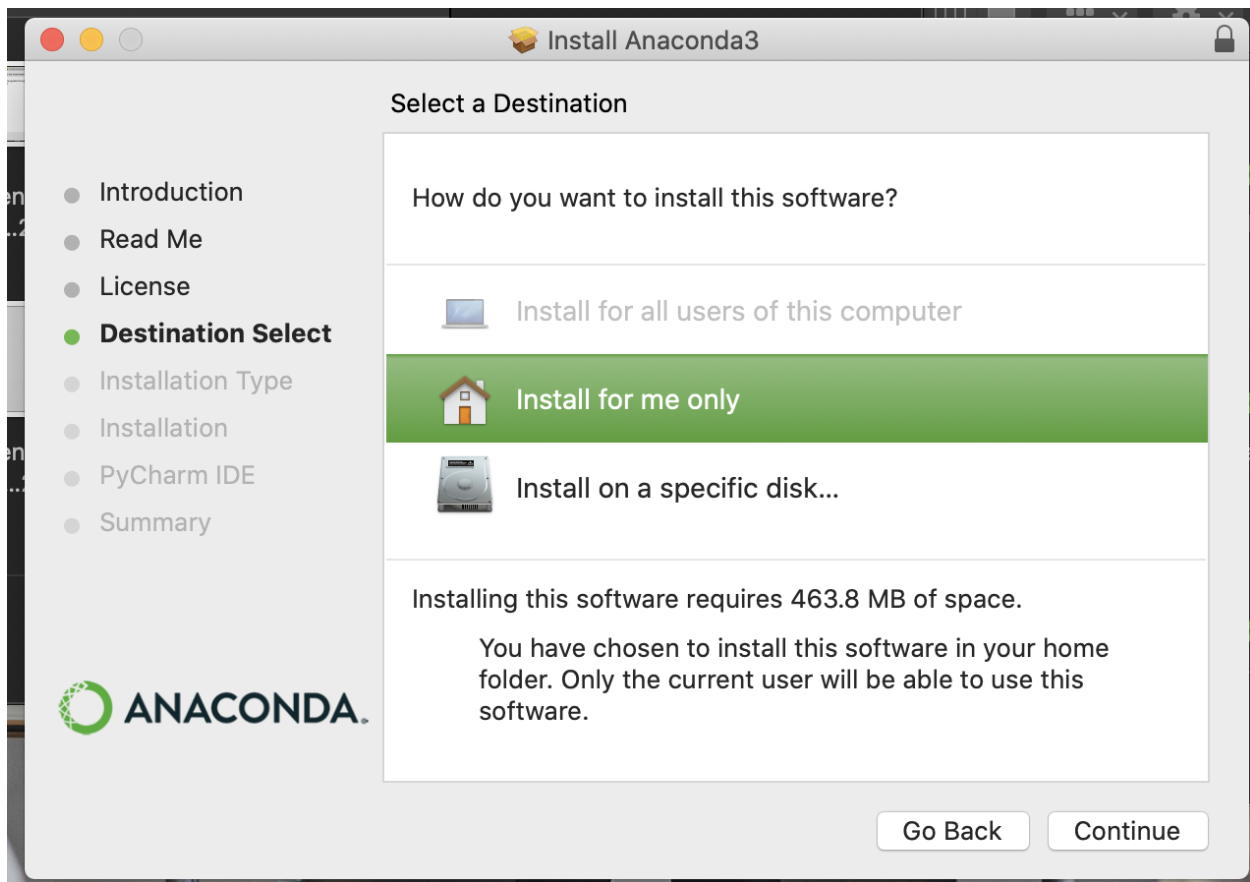

2. Click on "Continue"

Important Information

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ANACONDA.

Anaconda is the most popular Python data science platform.
See https://www.anaconda.com/downloads/.

By default, this installer modifies your bash profile to activate
the base environment of Anaconda3 when your shell starts up.
To disable this, choose "Customize" at the "Installation Type"
phase, and disable the "Modify PATH" option. If you decline
this option, the executables installed by this installer will not be
available on PATH. You will need to use the full executable
path to run commands, or otherwise initialize the base
environment of Anaconda3 on your own.

To install to a different location, select "Change Install
Location..." at the "Installation Type" phase, then choose "Install
on a specific disk...", choose the disk you wish to install on, and
click "Choose Folder...". The "Install for me only" option will
install Anaconda3 to the default location, ~/opt/anaconda3.

The packages included in this installation are:

alabaster 0.7.12

Print...   Save...   Go Back   Continue

3. Click on Continue

Install Anaconda3

Software License Agreement

- Introduction
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- Destination Select
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End User License Agreement - Anaconda Individual Edition
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Copyright 2015-2020, Anaconda, Inc.

All rights reserved under the 3-clause BSD License:

This End User License Agreement (the "Agreement") is a legal agreement between you and Anaconda, Inc. ("Anaconda") and governs your use of Anaconda Individual Edition (which was formerly known as Anaconda Distribution).

Subject to the terms of this Agreement, Anaconda hereby grants you a non-exclusive, non-transferable license to:

  * Install and use the Anaconda Individual Edition (which was formerly known as Anaconda Distribution),
  * Modify and create derivative works of sample source code delivered in Anaconda Individual Edition; and
  * Redistribute code files in source (if provided to you by Anaconda as source) and binary forms, with or without modification subject to the requirements set forth below.
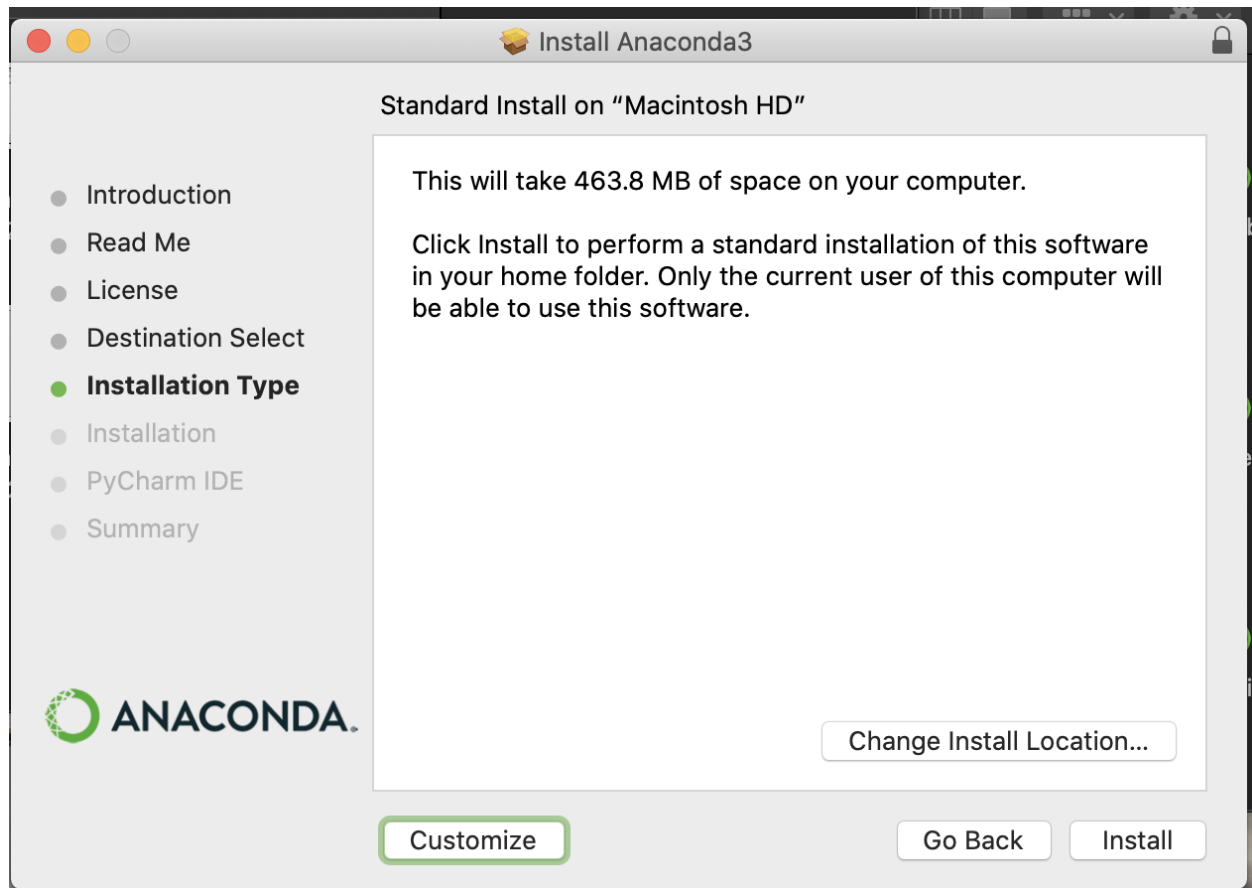
[Print...] [Save...] [Go Back] [Continue]

4. Click **Agree** to agree to the terms of the software license agreement.
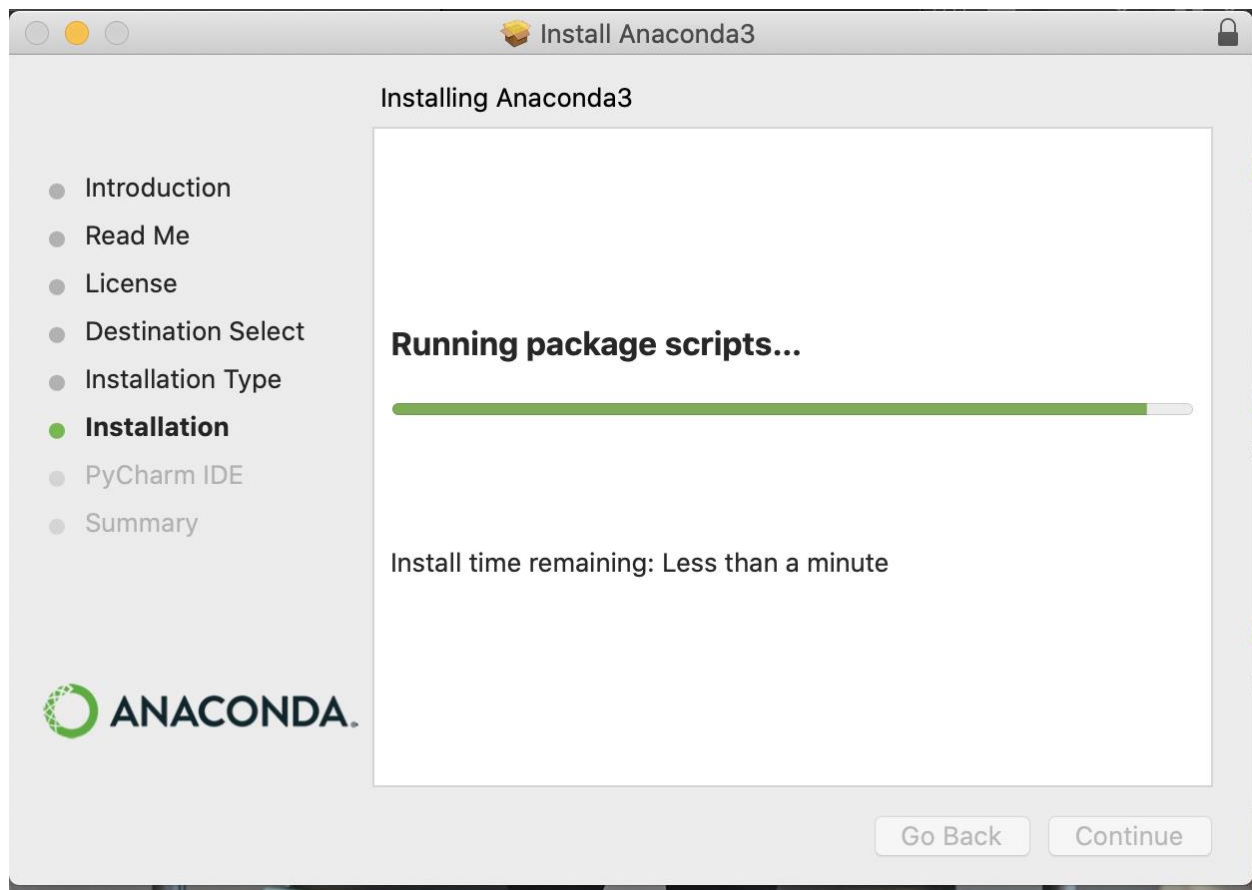
5. Select your preferred destination and click on **Continue**

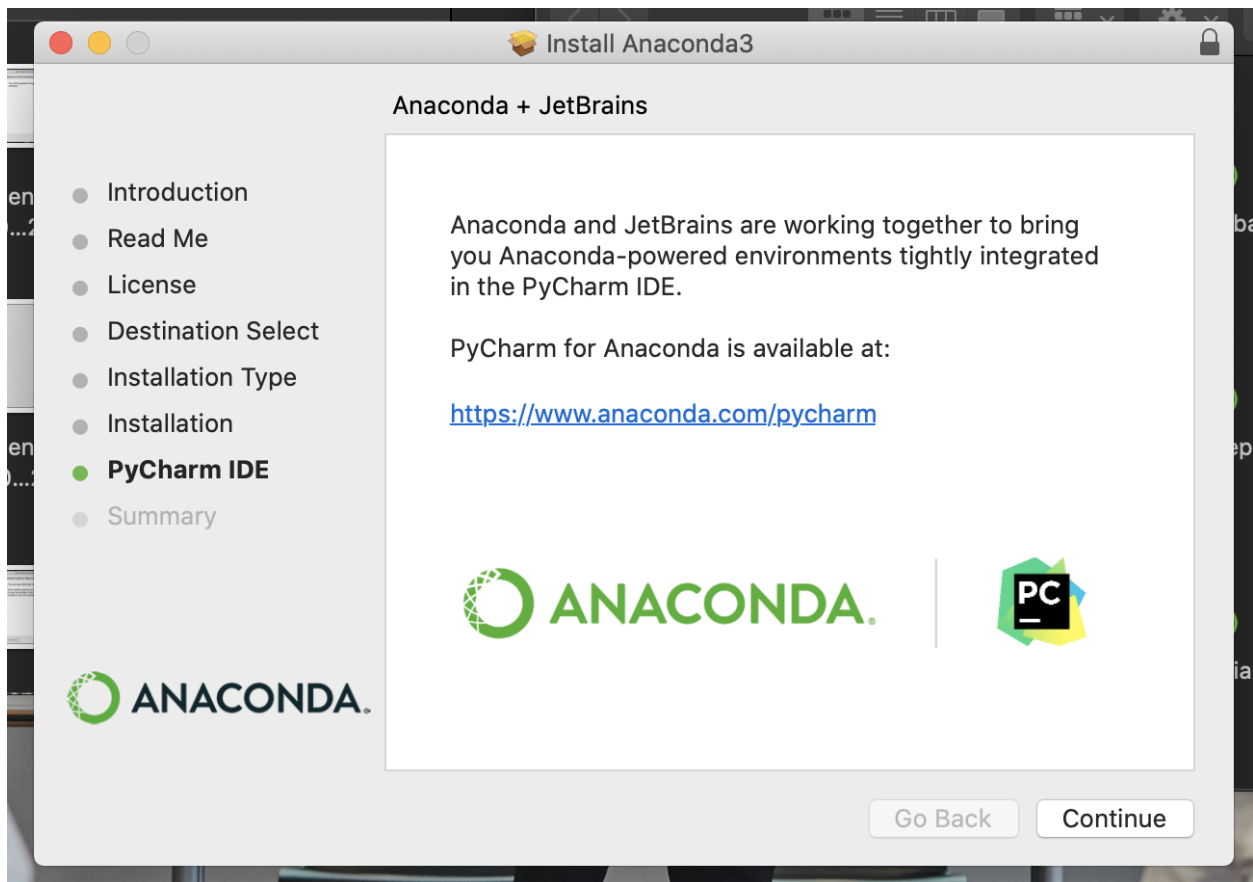6. You may change the installation location if you wish. Click on **Install** to install the program.

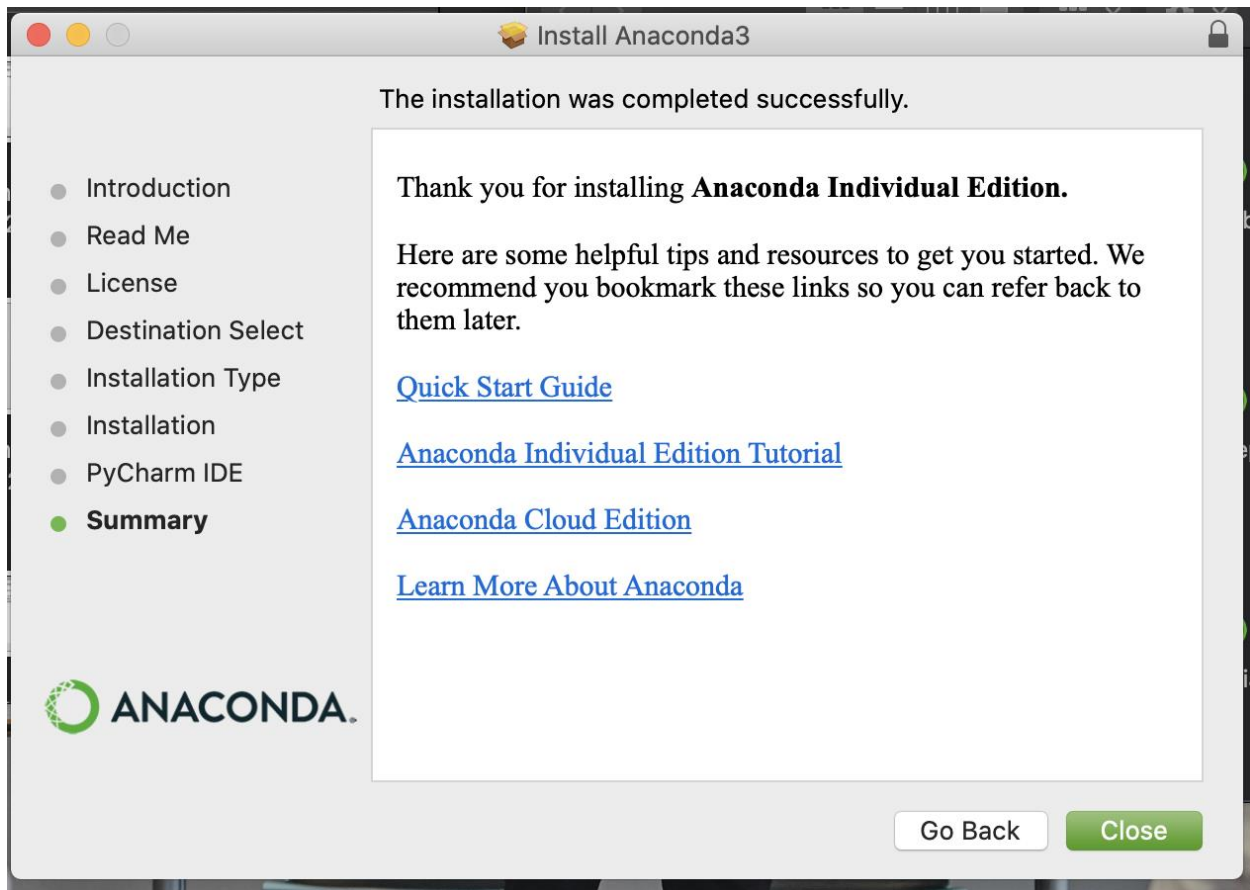7. Wait for sometime for the installation process to end.
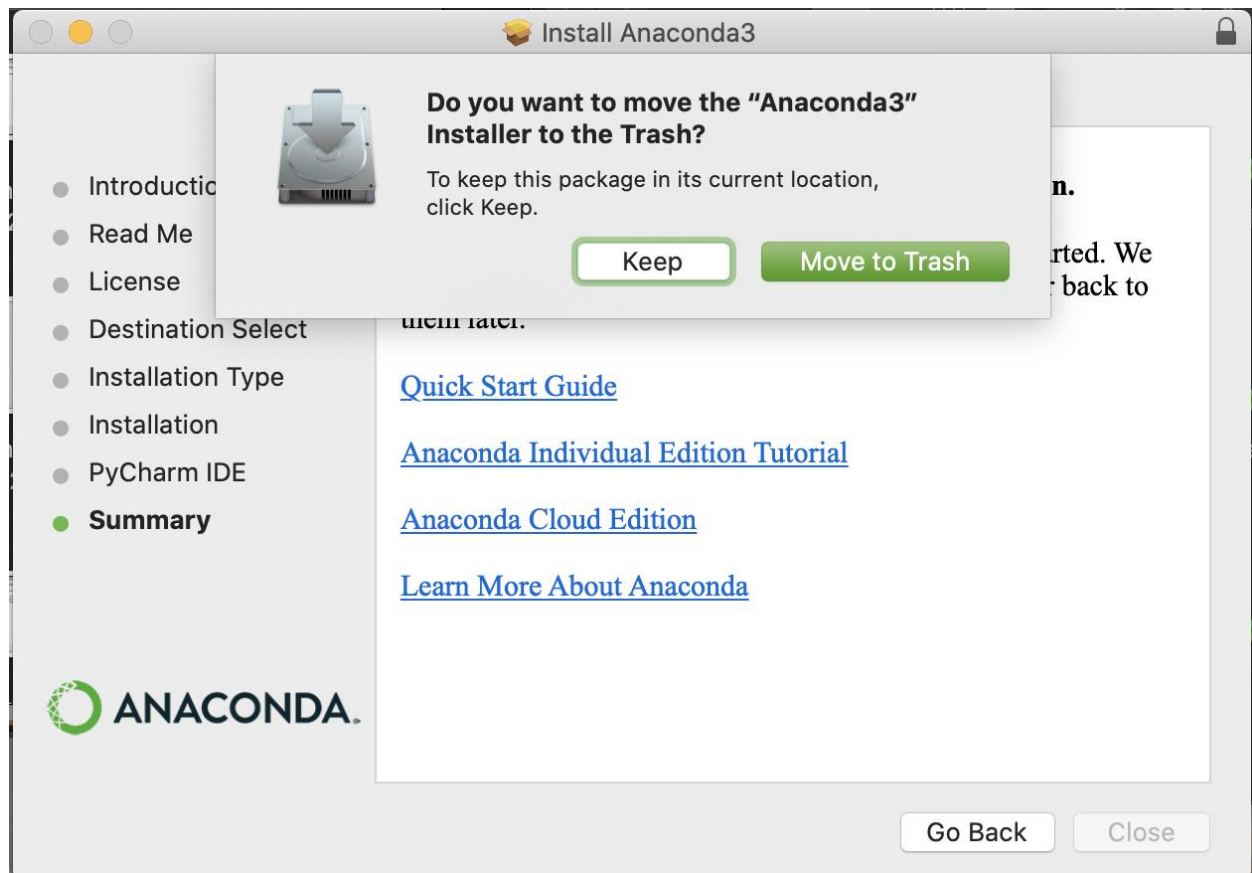
8. Click on **Continue**

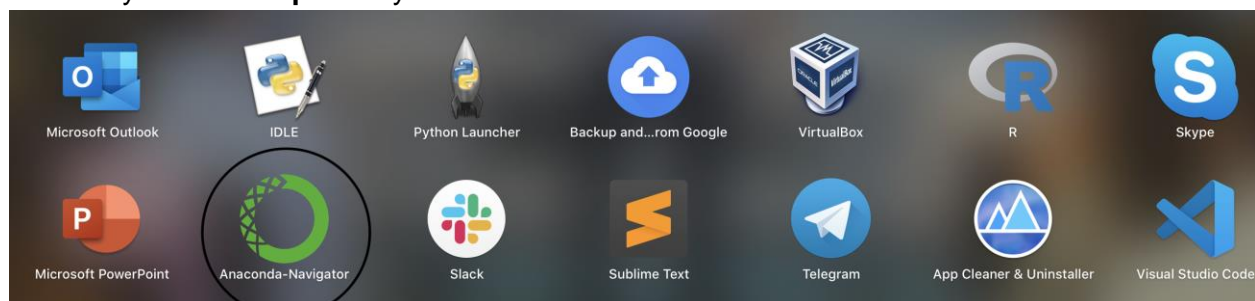9. Click on **Close** to close the installer.

10. You may choose to keep the installer or move it to trash. After that close the installer.
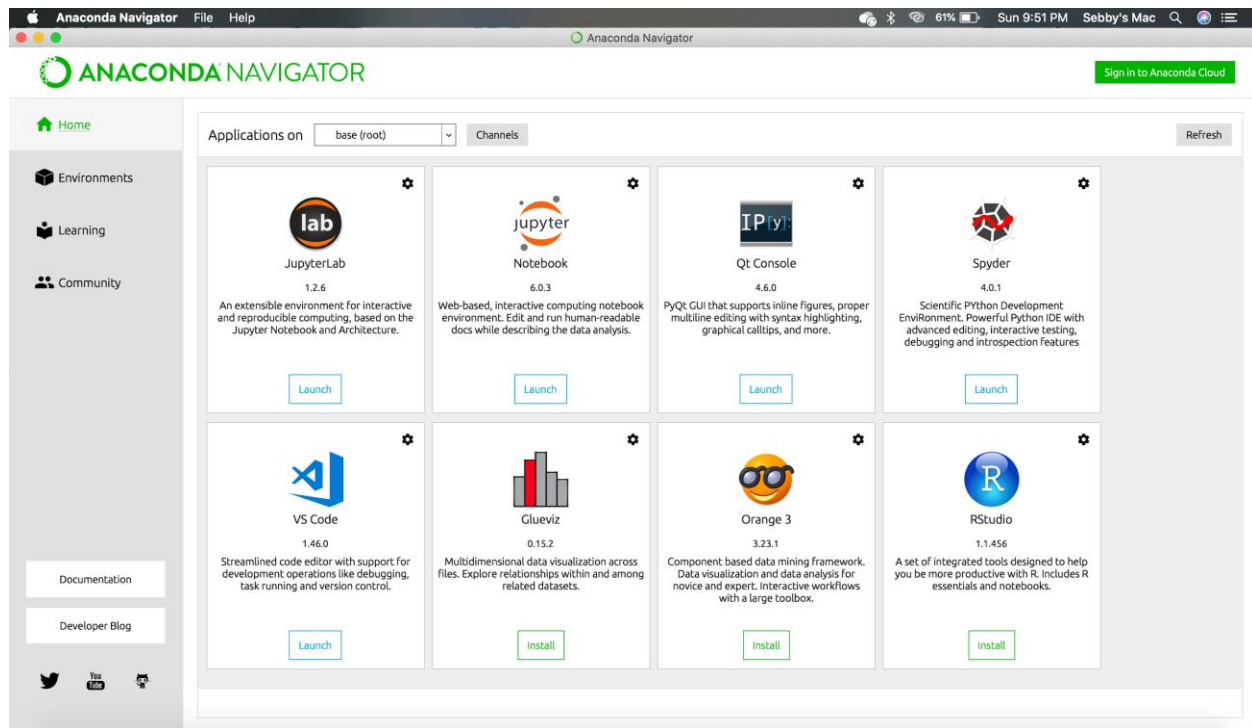
Run the Anaconda Program

After installing the program, you have to run it. Remember we installed the graphical installer. Hence we don't have to do anything on the terminal.

Click on your **Launchpad** on your Mac. Look for **Anaconda** and click on it. Picture below.

The Anaconda Program looks like the picture below after launching it.

In the anaconda program, you can install much more software. For the purposes of our work, we will need to install Jupyter Notebook. Hence, click to install Jupyter Notebook. After installing the Jupyter Notebook, the install button will change to **Launch** as shown in the picture above. This installation comes with Python and several scientific packages.