



Anaconda: Better than vanilla python



If you have worked on data science or machine learning projects, you probably know how difficult it is to install individual packages, modules, and environments to meet your needs, time and storage. What if I tell you that you have all the data analysis and machine learning tools you need in one setup?

This is where python comes into play. What exactly is anaconda?

Anaconda is a free and open source programming language distribution; Python and R. It is a set of tools designed for programmers, enabling us to use thousands of open source packages and libraries. [Anaconda](#) has more than 7,500 data analysis and machine learning packages. It also makes it easier for users to manage. Multiple data environments can work simultaneously without interference. The interface is also easy to use and has a browser. The browser is a graphical desktop interface that can easily launch applications and management packs and environments without using command-line commands. Work faster and easier than Vanilla Python.



Getting started with Anaconda:

Anaconda provides three different versions for each market segment. They are listed below:

- **Anaconda Personal Edition:**

Anaconda Personal Edition is a free, easy-to-install Python distribution, environment management and package manager, including more than 1,500 open source software and free community support. Windows, Mac OS X or Linux.

- **Anaconda Commercial Edition:**

Anaconda Commercial Edition is the world's most popular commercial open source package management and distribution system.

- **Anaconda Team Edition:**

The Anaconda Team Edition is the most powerful incarnation of the Anaconda repository to date. This repository is used as a central build resource for Conda, PyPI, and CRAN for desktop users, development clusters, CI/CD systems, and production environments. Supports containers for all common operating systems.

- **Anaconda Enterprise Edition:**

Anaconda Enterprise is a scalable enterprise data analysis platform that enables teams to manage data science assets, collaborate, and deliver projects.

Step by step installation instructions:

For Windows users:

1. Navigate to the official site: [Anaconda](https://www.anaconda.com/)
2. Tap on the products dropdown and choose the edition suitable for your needs.

The screenshot shows the Anaconda website homepage. At the top, there is a navigation bar with links for Products, Pricing, Solutions, Resources, Blog, and Company. A prominent 'Get Started' button is located on the right side of the header. Below the header, there is a large green banner with the text 'The technology for ensemblemaking.' In the center of the page, there is a vertical dropdown menu under the 'Products' link. The menu items are: Individual Edition (Open Source Distribution), Commercial Edition (Premium Package Repository), Team Edition (On-prem Package Repository), Enterprise Edition (Full Data Science Platform), and Professional Services (Data Experts Work Together). The 'Individual Edition' option is currently selected, as indicated by a small checkmark icon next to it.

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- Upon scrolling, you will see a button on the right side named download for the installation.



Individual Edition

Your data science toolkit

With over 25 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it is the toolkit that equips you to work with thousands of open-source packages and libraries.

Anaconda Individual Edition

[Download](#)

For Windows
Python 3.8 • 64-Bit Graphical Installer • 477 MB

[Get Additional Installers](#)

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- Upon tapping on the download .exe file will get downloaded.



Get Started

Thank you for downloading

If you are using Anaconda in a commercial environment with more than 200 employees, you need to purchase a Commercial Edition license.

[Buy Now](#)

Anaconda3-2021.0...exe 499/477 MB, 1 min left

Getting Started with Anaconda Individual Edition

This quick 12-minute tutorial provides an introduction to help you get started using this powerful tool.

[Watch Tutorial](#)

[Documentation: Quick Start Guide](#)

Learn how to use Anaconda Individual Edition

[Show all](#)

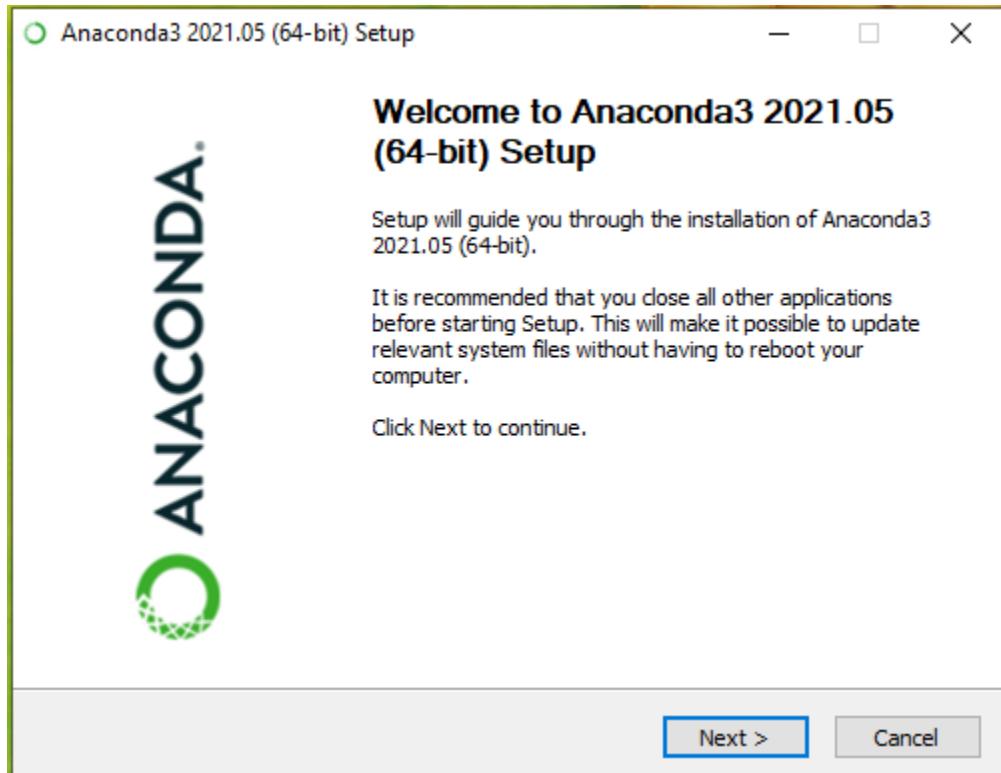
- Upon tapping on the .exe file and run it by granting the privileges.

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- Once the installation window pops up, click on the Next button.



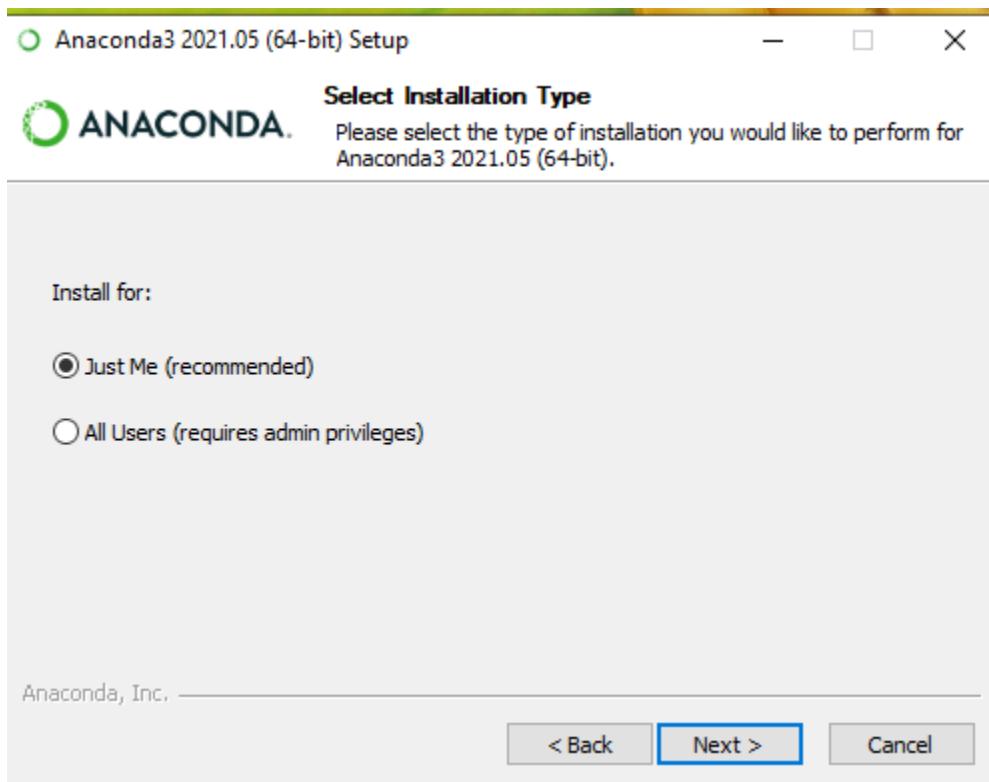
- Accept the license agreement by tapping the I agree button.

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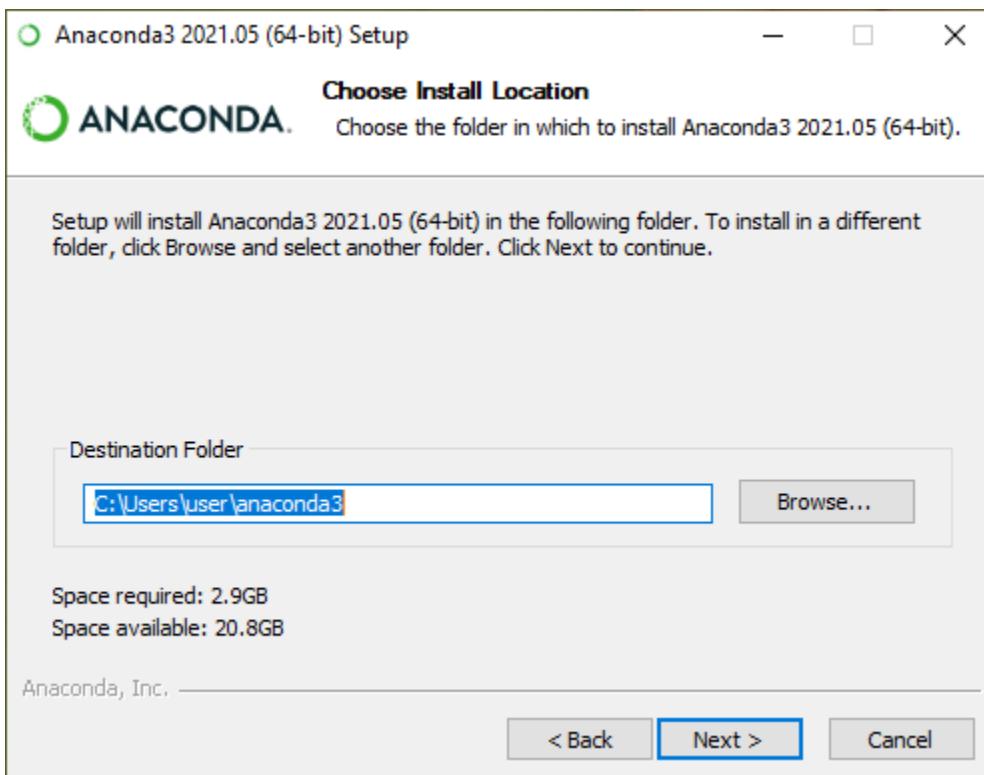
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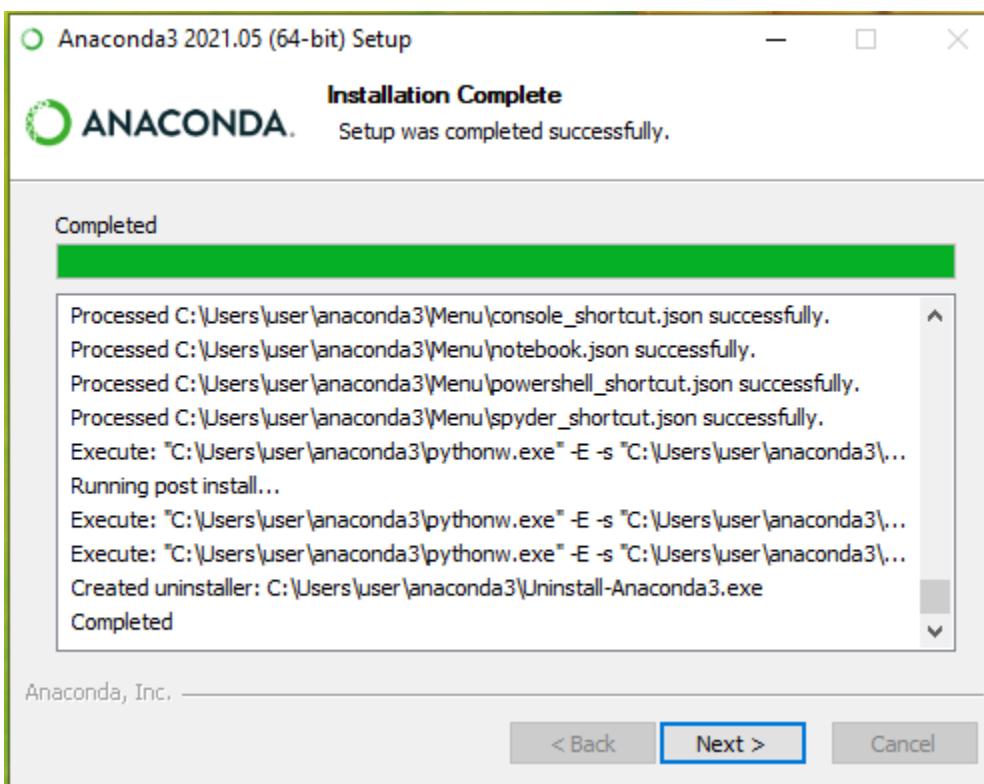
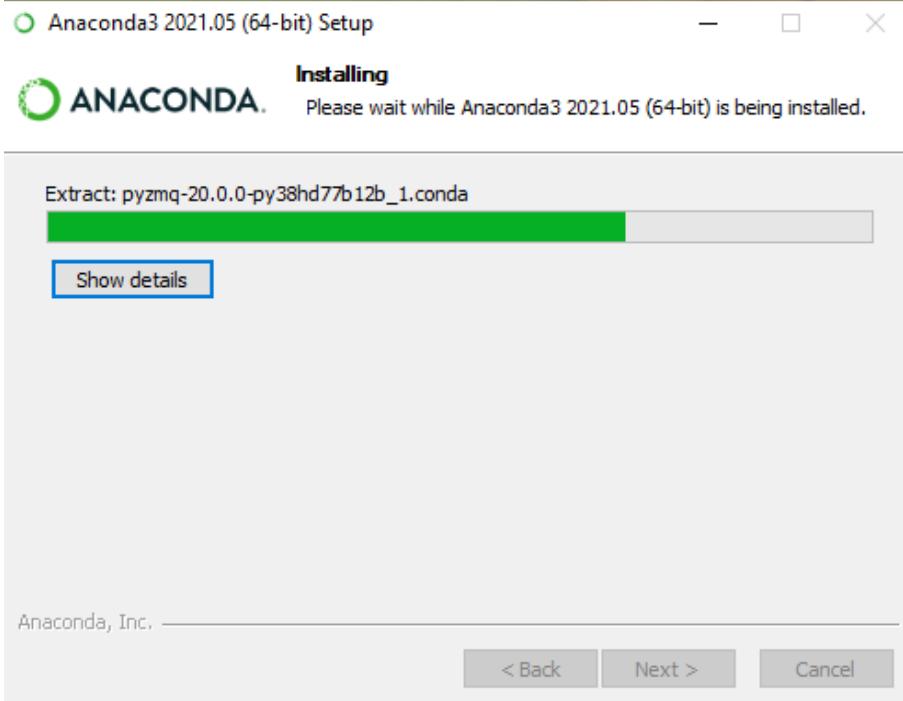
8. Depending upon the users, select the type of installation and tap on the Next button.



9. Set the path for the installation or continue with the default path and tap on next.

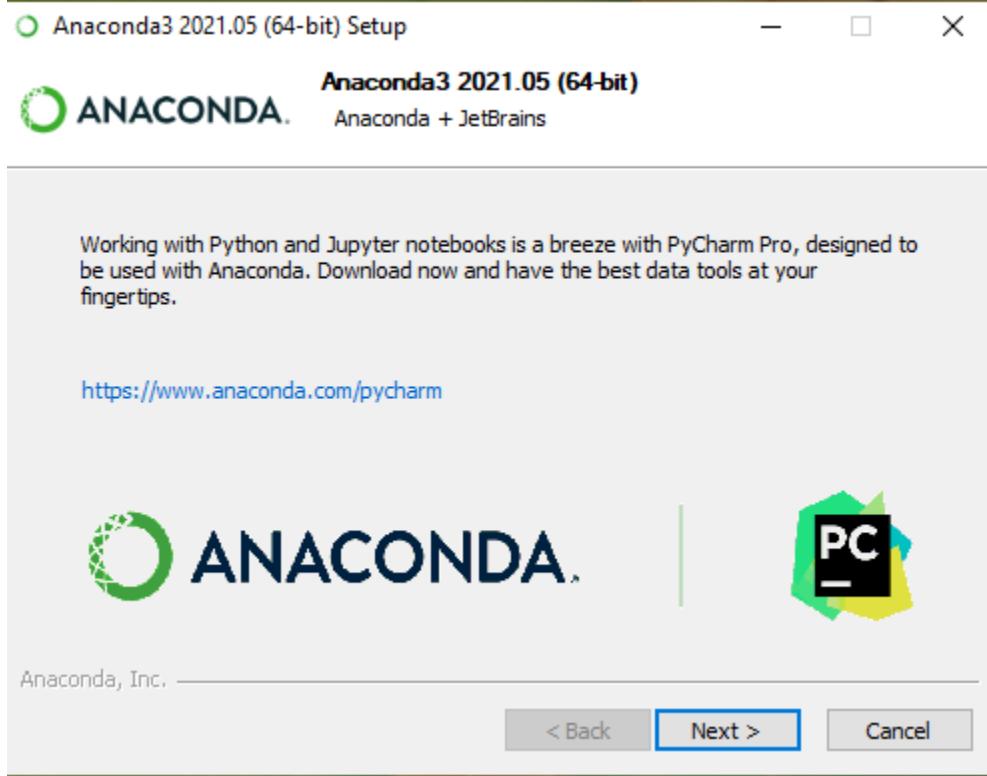


10. A new dialog box with advanced options is now displayed. Now, if you wish to add Anaconda to your path, tap on the check box(But it is not recommended because it might cause problems if there was a previous installation). If you wish to register Anaconda as your default python 3.8, tap on the check box next to it and tap on install.
11. A dialog box with a progress bar will show up and approximately take 4-5 minutes to complete based on your desktop.

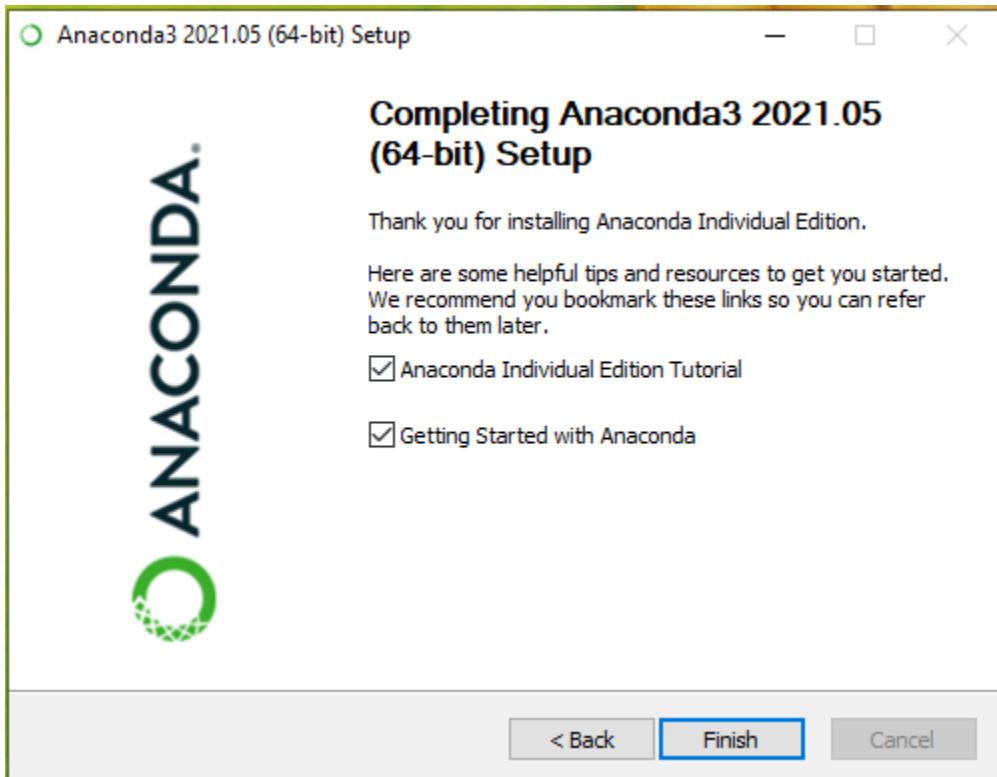




12. After your installation, you might get a dialog for additional tools. If you choose to install them, tap on next.



13. After completion, you will get a pop-up like this.



14. Tap on the finish. Anaconda is now installed on your computer.

For mac os users:

1. Navigate to the official site: [Anaconda](#)
2. Tap on the products dropdown and choose the edition suitable for your needs.

A screenshot of the Anaconda website's products dropdown menu. The menu is open, showing five options: Individual Edition (Open Source Distribution), Commercial Edition (Premium Package Repository), Team Edition (On-prem Package Repository), Enterprise Edition (Full Data Science Platform), and Professional Services (Data Experts Work Together). To the right of the menu, a large green text block reads "We're technology for ensemblemaking." Below this, smaller text mentions "Over millions of data science practitioners, analysts, and the open source community." A "Get Started" button is visible at the top right of the page.



3. Upon scrolling down the page, you will see a button on the right side named download for the installation and the icon for mac installer, which will navigate to a different section.

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For Windows
Python 3.8 • 64-Bit Graphical Installer • 477 MB

[Get Additional Installers](#)

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Anaconda Installers

Windows

Python 3.8
[64-Bit Graphical Installer \(477 MB\)](#)
[32-Bit Graphical Installer \(409 MB\)](#)

MacOS

Python 3.8
[64-Bit Graphical Installer \(440 MB\)](#)
[64-Bit Command Line Installer \(433 MB\)](#)

Linux

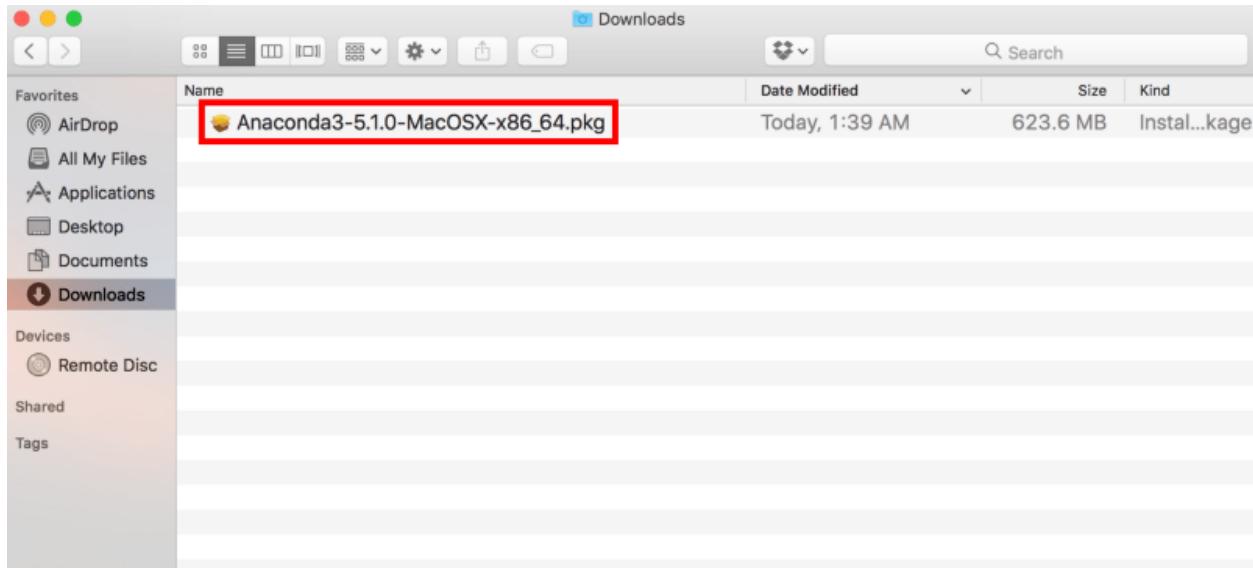
Python 3.8
[64-Bit \(x86\) Installer \(544 MB\)](#)
[64-Bit \(Power8 and Power9\) Installer \(285 MB\)](#)
[64-Bit \(AWS Graviton2 / ARM64\) Installer \(413 M\)](#)
[64-bit \(Linux on IBM Z & LinuxONE\) Installer \(292 M\)](#)

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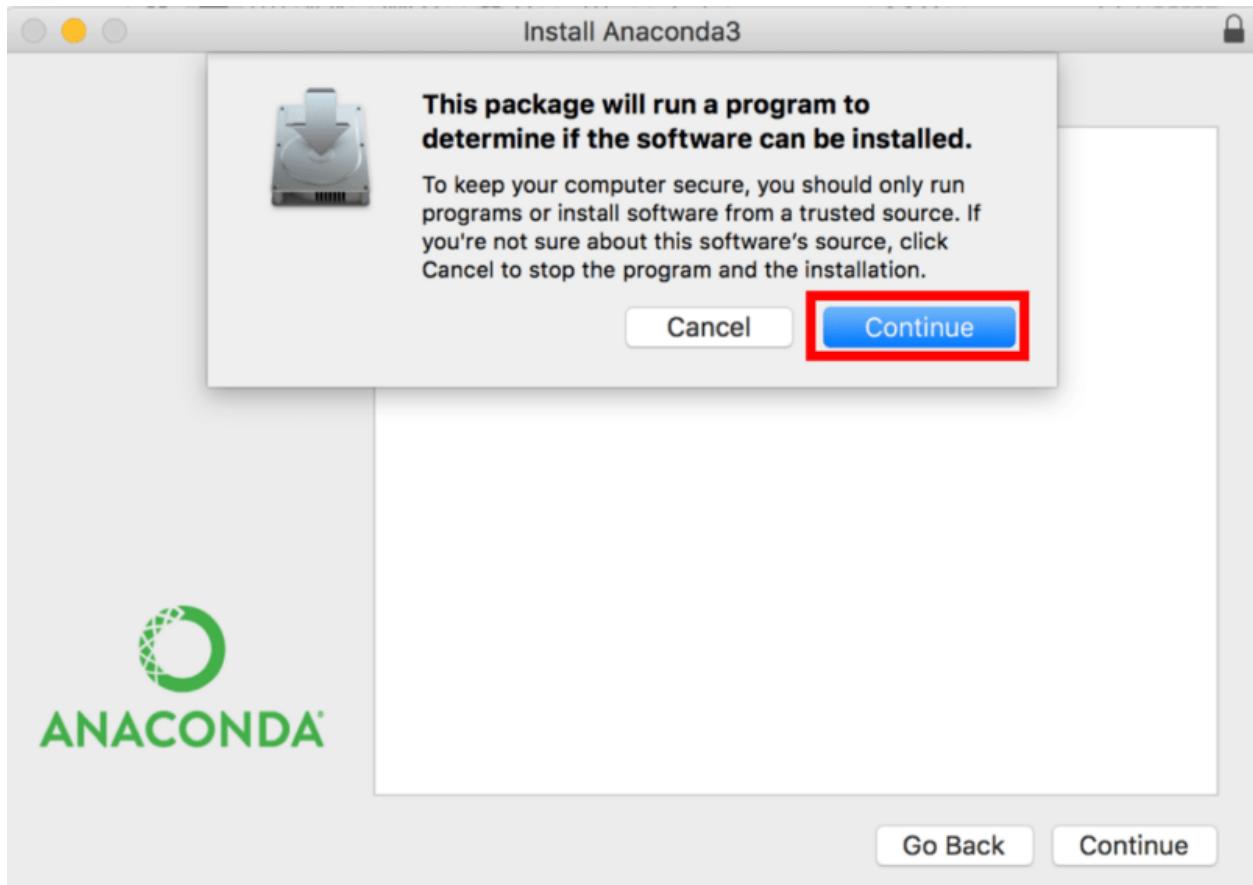
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4. Tap on the version of your choosing and install the graphical installer. After installation, navigate to the downloads and double-click.



5. Click on continue to run the program.

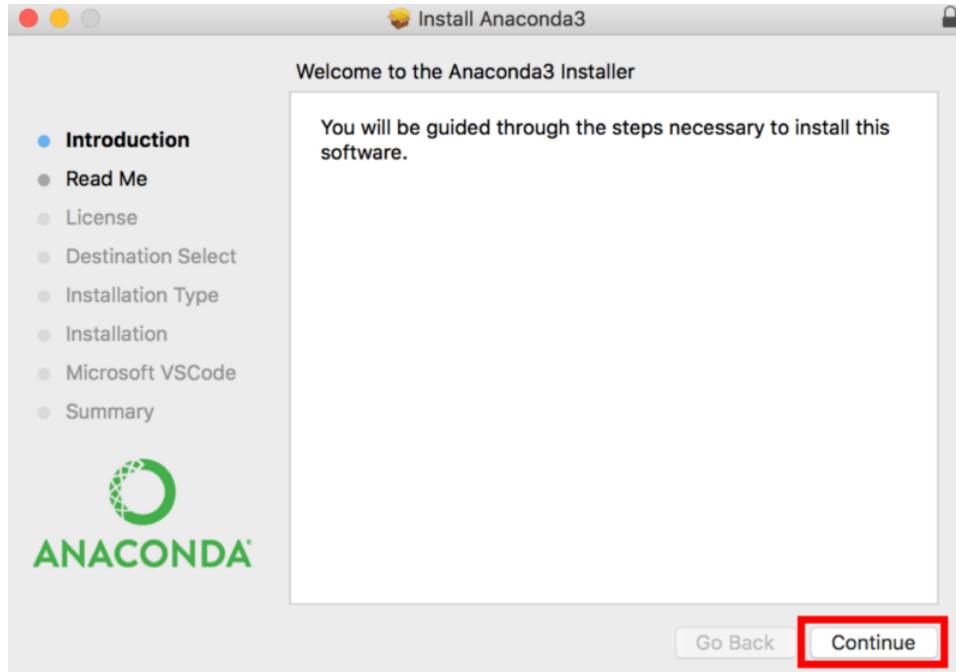


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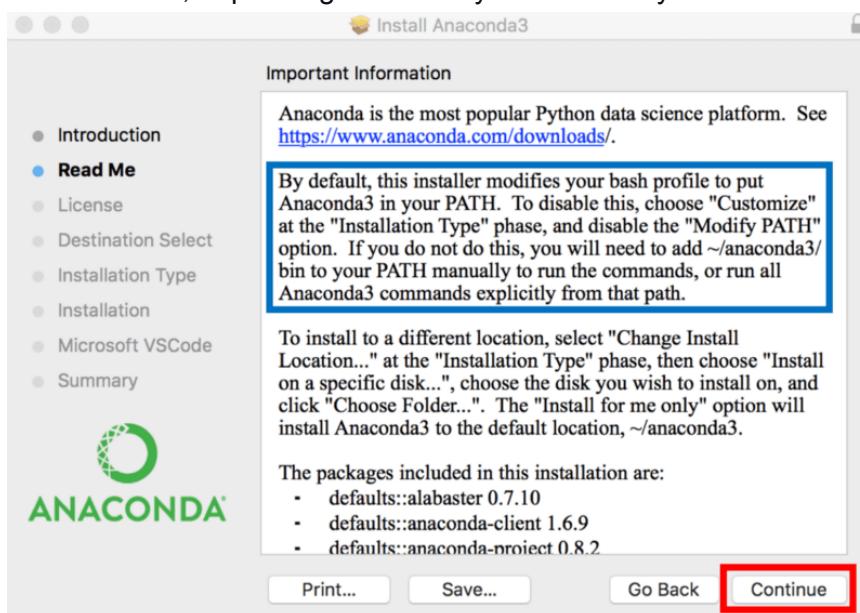
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6. Click on continue on the installer dialog box.



7. Note that when you install Anaconda, it modifies your bash profile with either anaconda3 or anaconda2, depending on what Python version you choose. Click on Continue..





8. Click on Continue to get the License Agreement to appear.

The screenshot shows the 'Install Anaconda3' window with the title 'Software License Agreement'. On the left, a sidebar lists steps: Introduction, Read Me, **License**, Destination Select, Installation Type, Installation, Microsoft VSCode, and Summary. The main area displays the 'Anaconda End User License Agreement' and its terms. At the bottom, there are buttons for Print..., Save..., Go Back, and Continue, with 'Continue' highlighted by a red rectangle.

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Anaconda End User License Agreement

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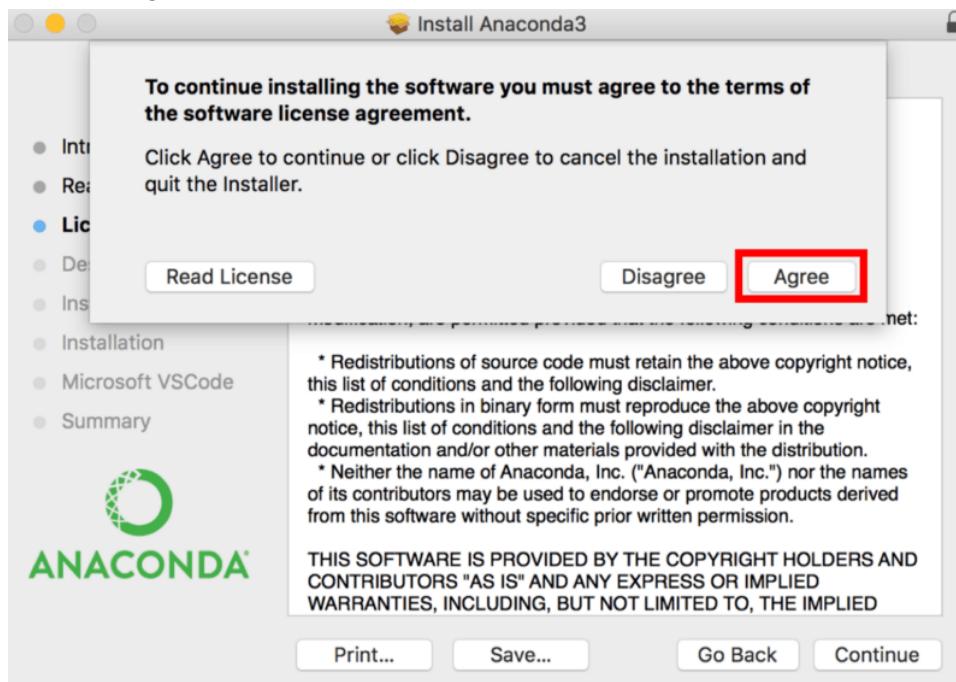
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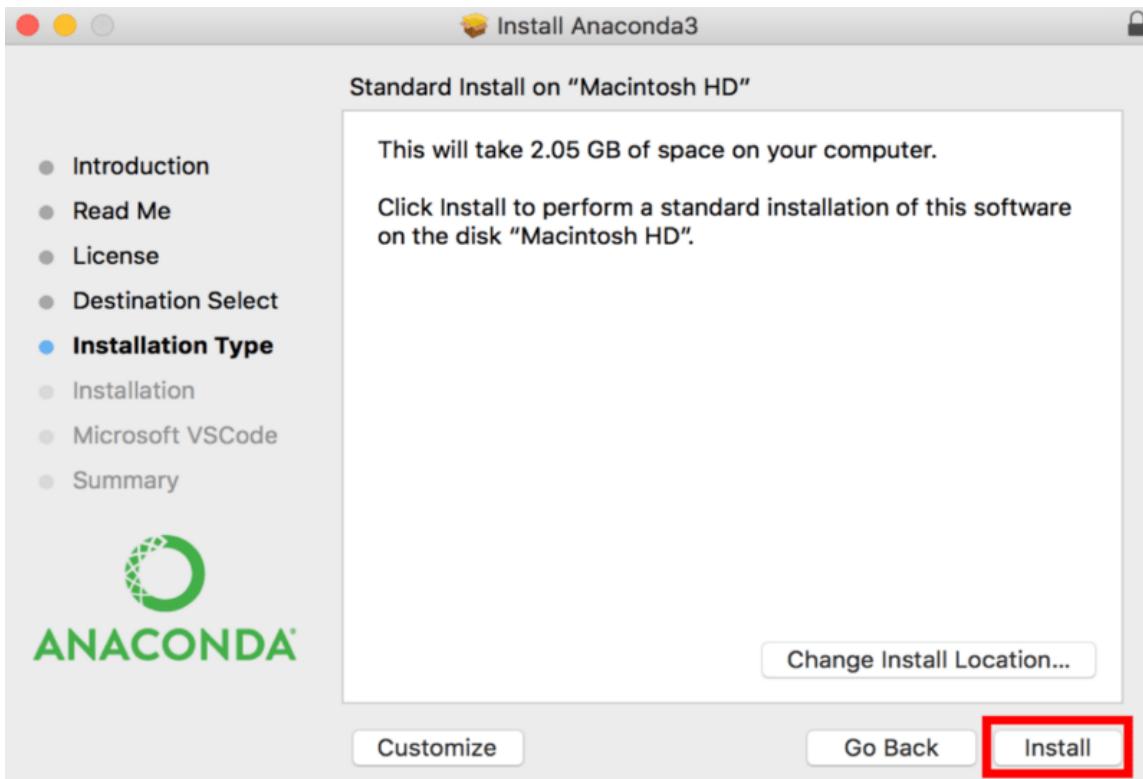
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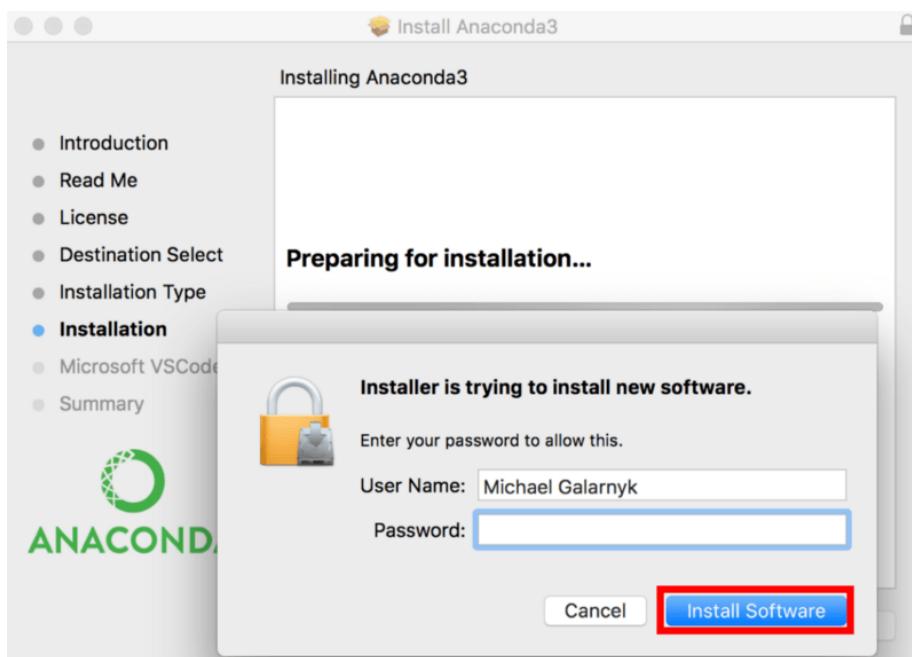
9. You will need to read and click Agree to the license agreement before clicking on Continue again.



10. Click on Install



11. You will get a pop-up asking for your password, which is usually the one that you also use to unlock your Mac when you start it up. After you enter your password, click on Install Software.

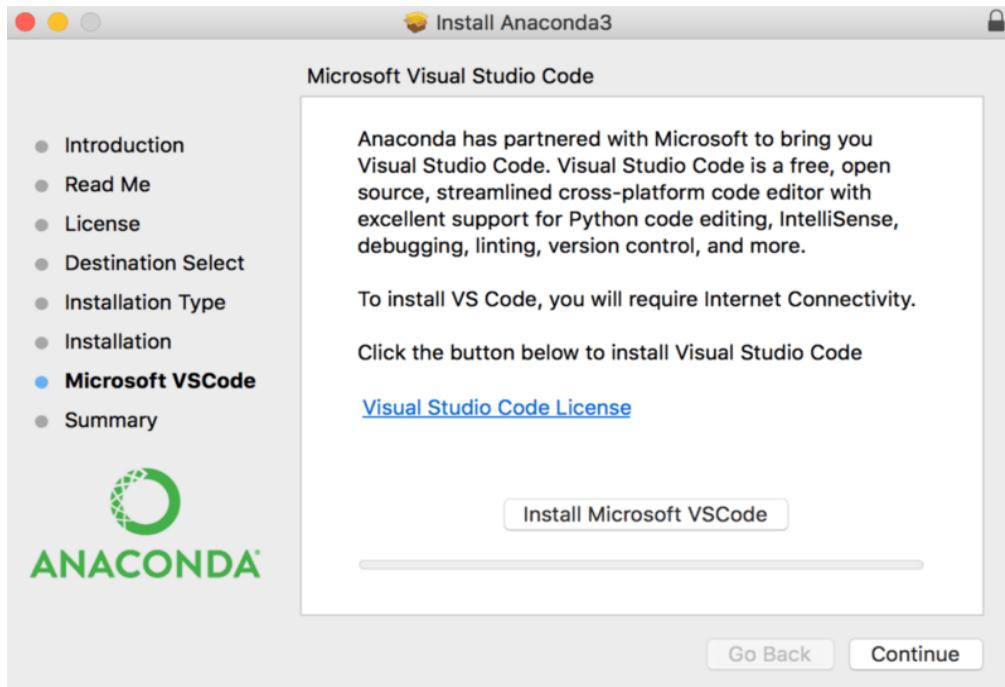


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12. Click on Continue. You can install Microsoft Visual Studio Code if you like, but it is not required. It is an Integrated Development Environment. You can learn about Python Integrated Development Environments [here](#).



13. You would get a screen saying the installation is complete. Close the installer.



The installation was completed successfully.

Anaconda is the most popular Python data science platform.
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- Introduction
- Read Me
- License
- Destination Select
- Installation Type
- Installation
- Microsoft VSCode
- **Summary**

 **ANACONDA**

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