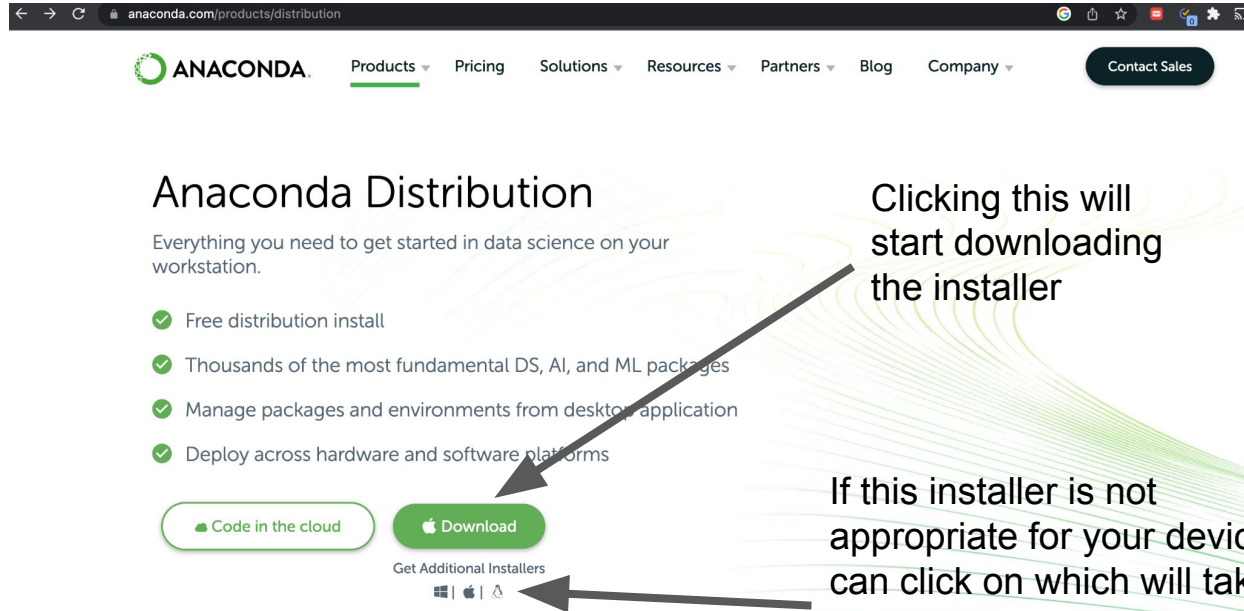


Anaconda Installation Guide

CS 105 - Spring 2023

Navigate to following link

<https://www.anaconda.com/products/distribution>



The screenshot shows the Anaconda Distribution page. At the top is the Anaconda logo and a navigation menu with links: Products, Pricing, Solutions, Resources, Partners, Blog, and Company. A 'Contact Sales' button is on the right. The main heading is 'Anaconda Distribution' with the subtext 'Everything you need to get started in data science on your workstation.' Below this is a list of four features, each with a green checkmark: 'Free distribution install', 'Thousands of the most fundamental DS, AI, and ML packages', 'Manage packages and environments from desktop application', and 'Deploy across hardware and software platforms'. At the bottom, there are two buttons: 'Code in the cloud' and 'Download'. Below the 'Download' button is a link 'Get Additional Installers' with icons for Windows, macOS, and Linux. Two arrows point to these elements: one from the text 'Clicking this will start downloading the installer' to the 'Download' button, and another from the text 'If this installer is not appropriate for your device, you can click on which will take you to bottom of the page that will show all the installers to choose from.' to the 'Get Additional Installers' link.

ANACONDA

Products Pricing Solutions Resources Partners Blog Company

Contact Sales

Anaconda Distribution

Everything you need to get started in data science on your workstation.

- ✓ Free distribution install
- ✓ Thousands of the most fundamental DS, AI, and ML packages
- ✓ Manage packages and environments from desktop application
- ✓ Deploy across hardware and software platforms

[Code in the cloud](#) [Download](#)

Get Additional Installers

Windows macOS Linux

Clicking this will start downloading the installer

If this installer is not appropriate for your device, you can click on which will take you to bottom of the page that will show all the installers to choose from.

Anaconda installer will be downloaded and click on the pkg after downloading it which will start the installation

Thanks for downloading

Start coding immediately with Anaconda's brand new cloud notebook.

 Code in the cloud

Just getting started? Learn Python
basics in 3 hours

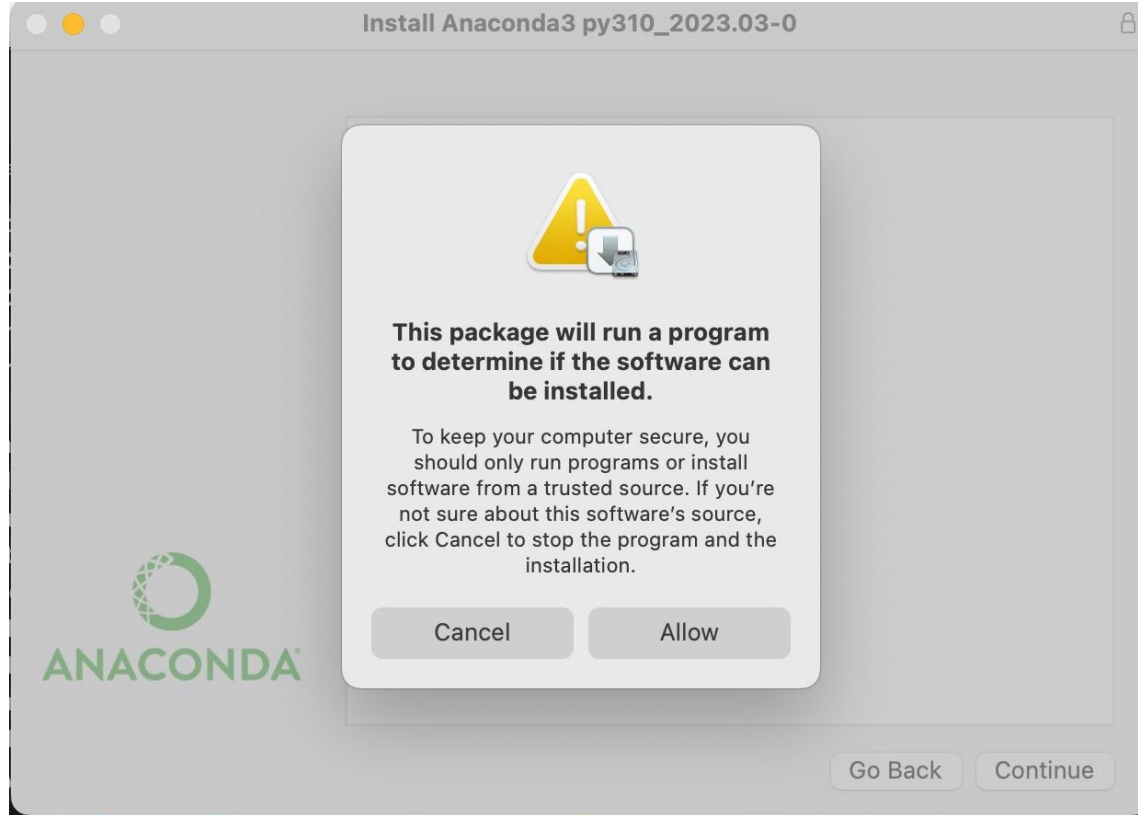
After a few hours with Anaconda's experts, you
will:

- Know how to read and write Python

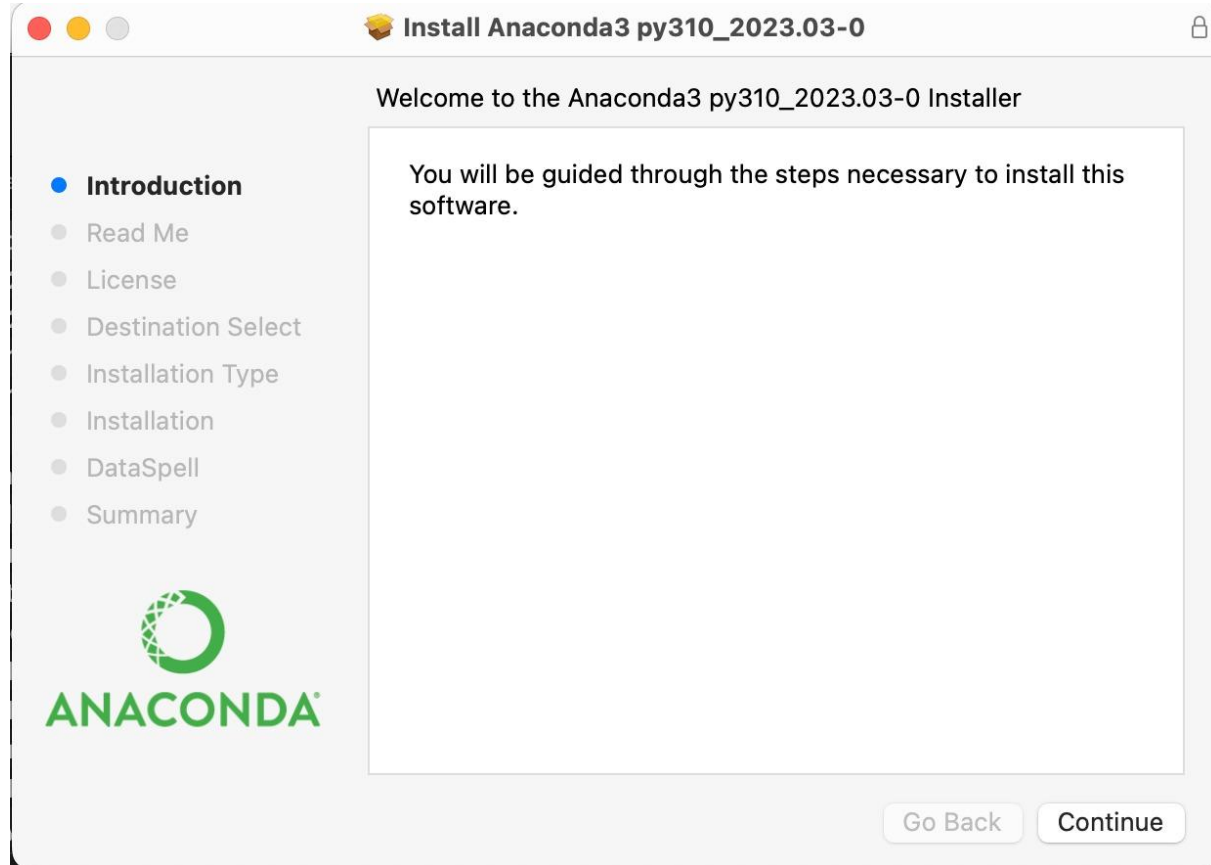
```
1  
2 class Room:
```

 Anaconda3-202...pkg ^

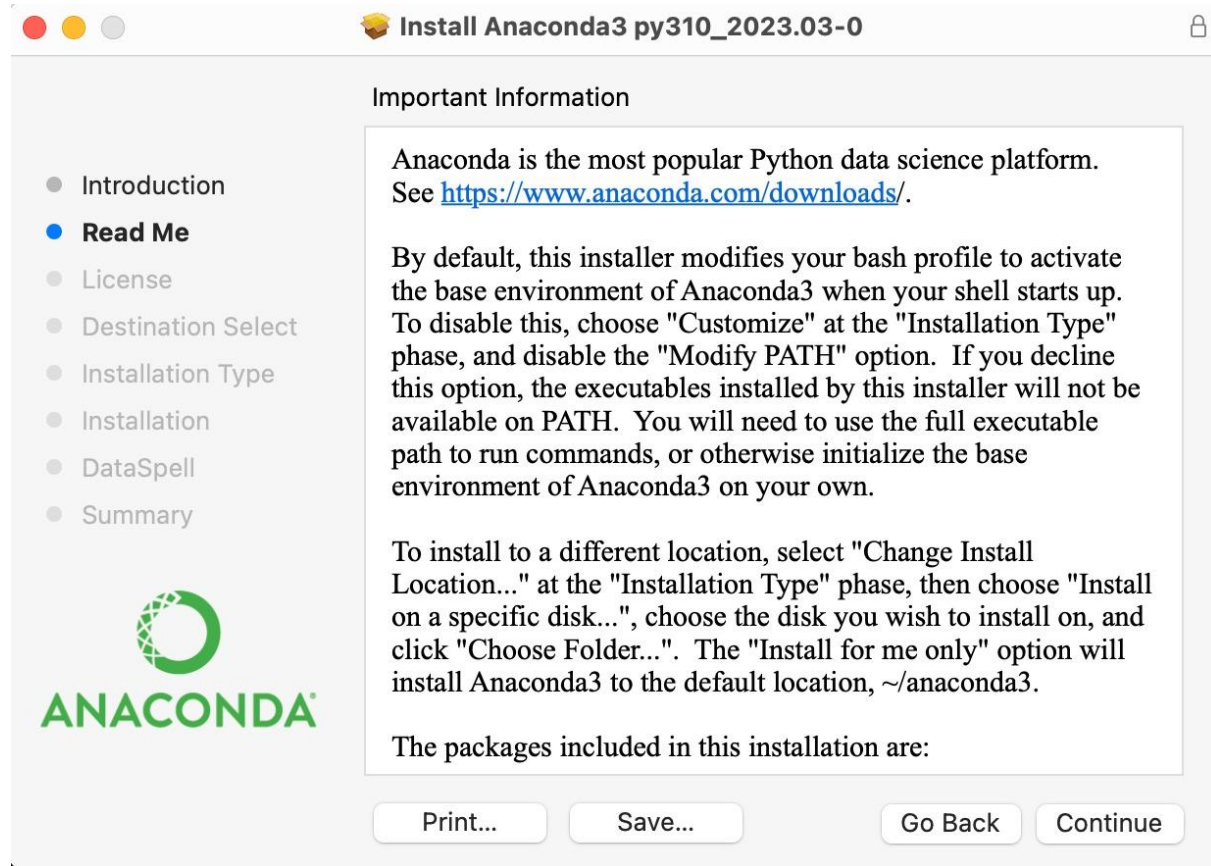
Click Allow



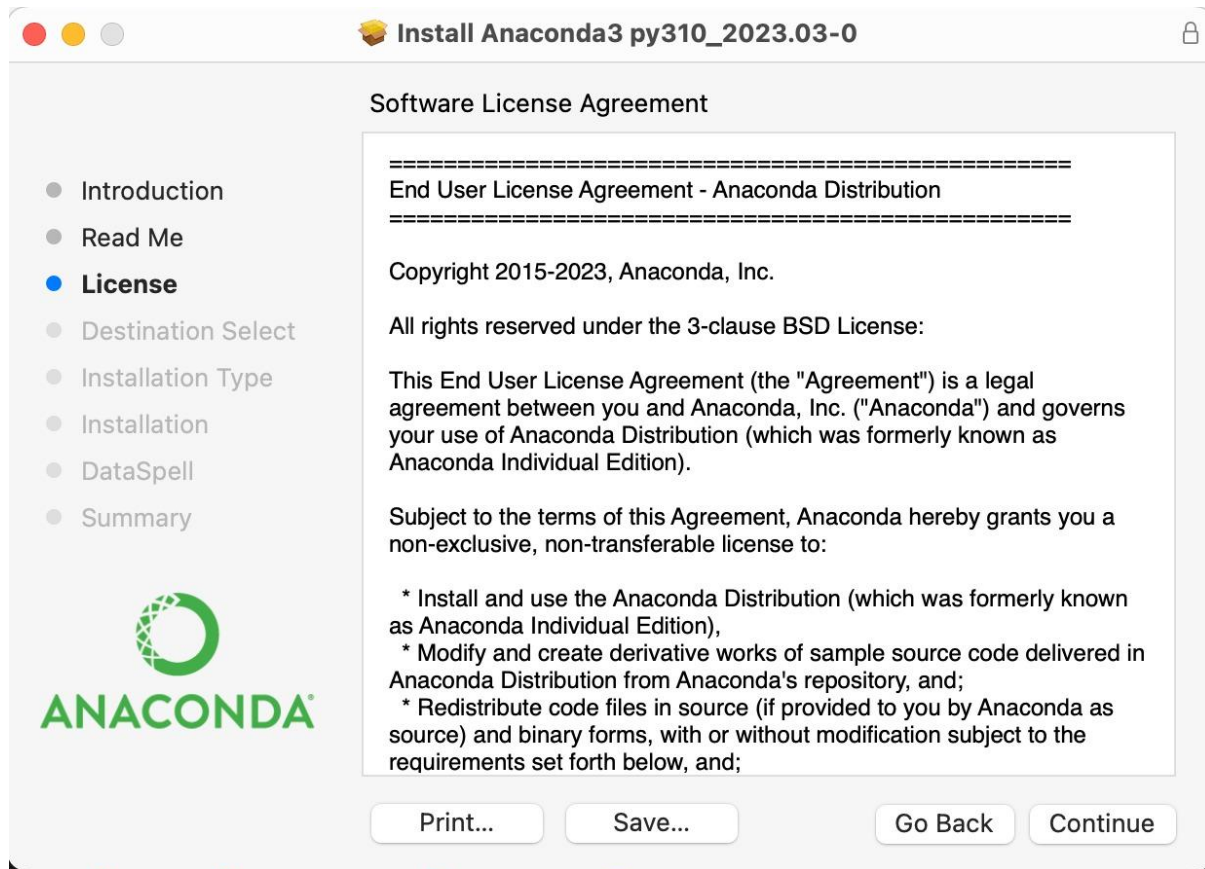
Click on continue



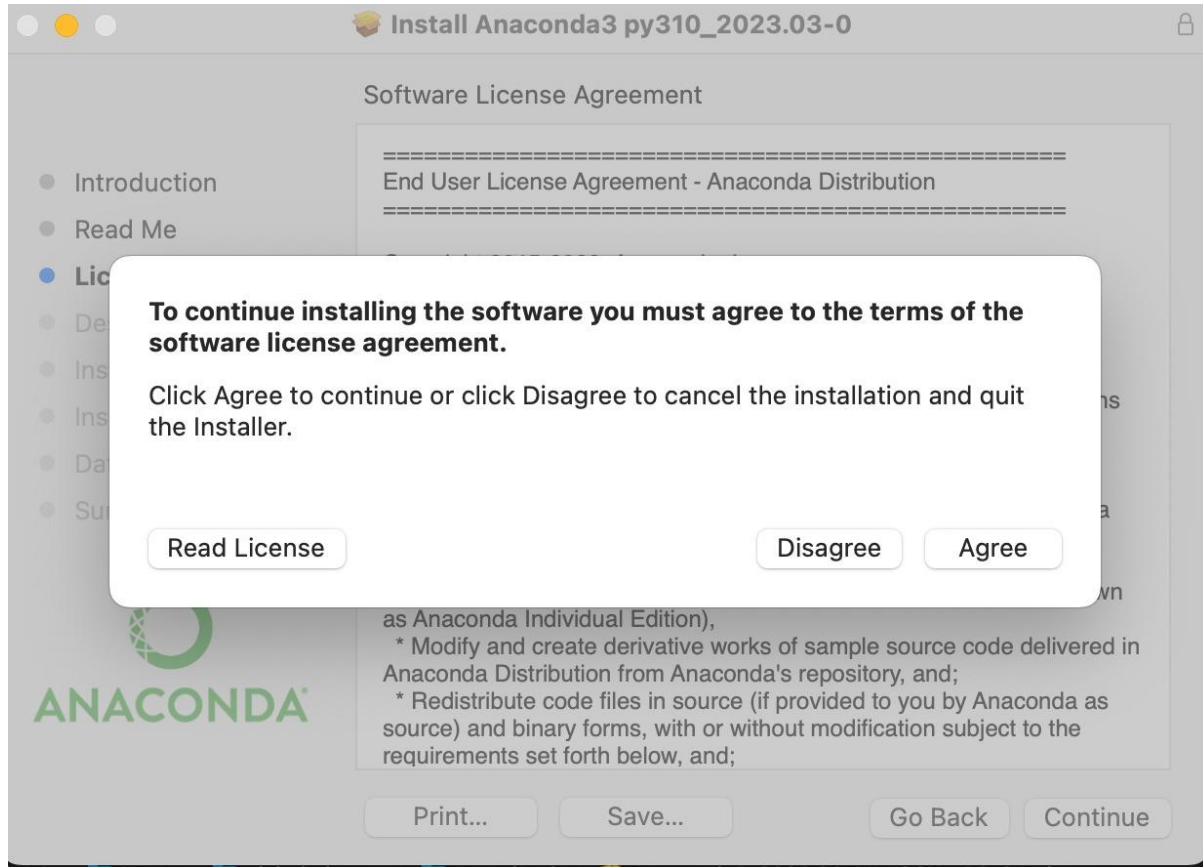
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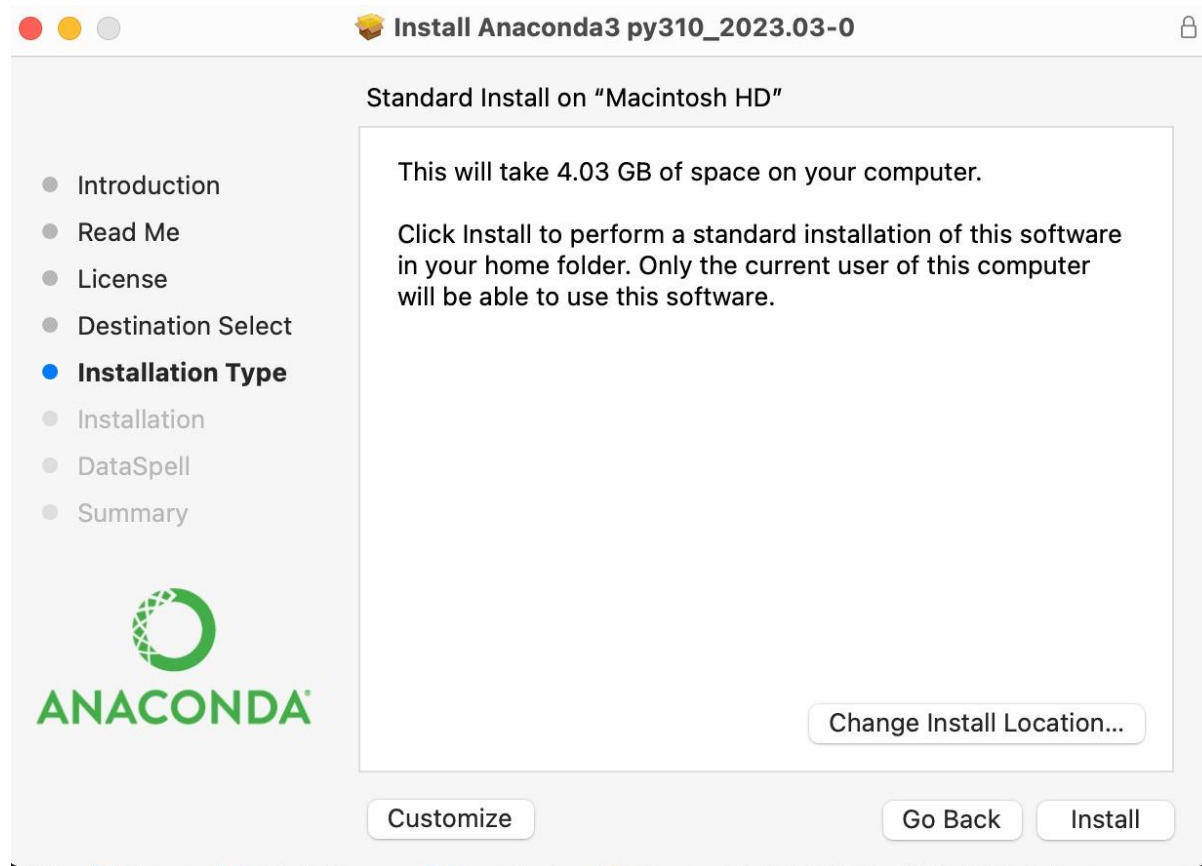
Click on continue.



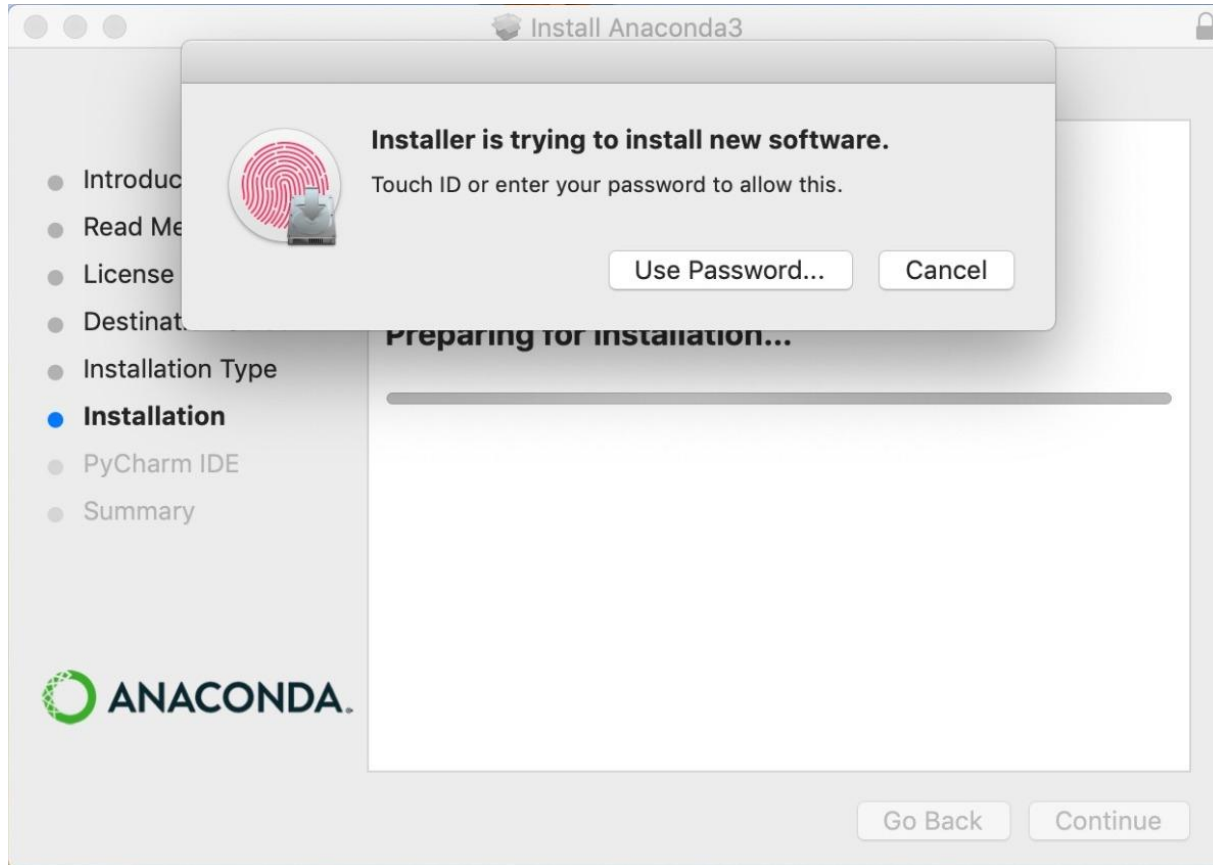
Click on agree.



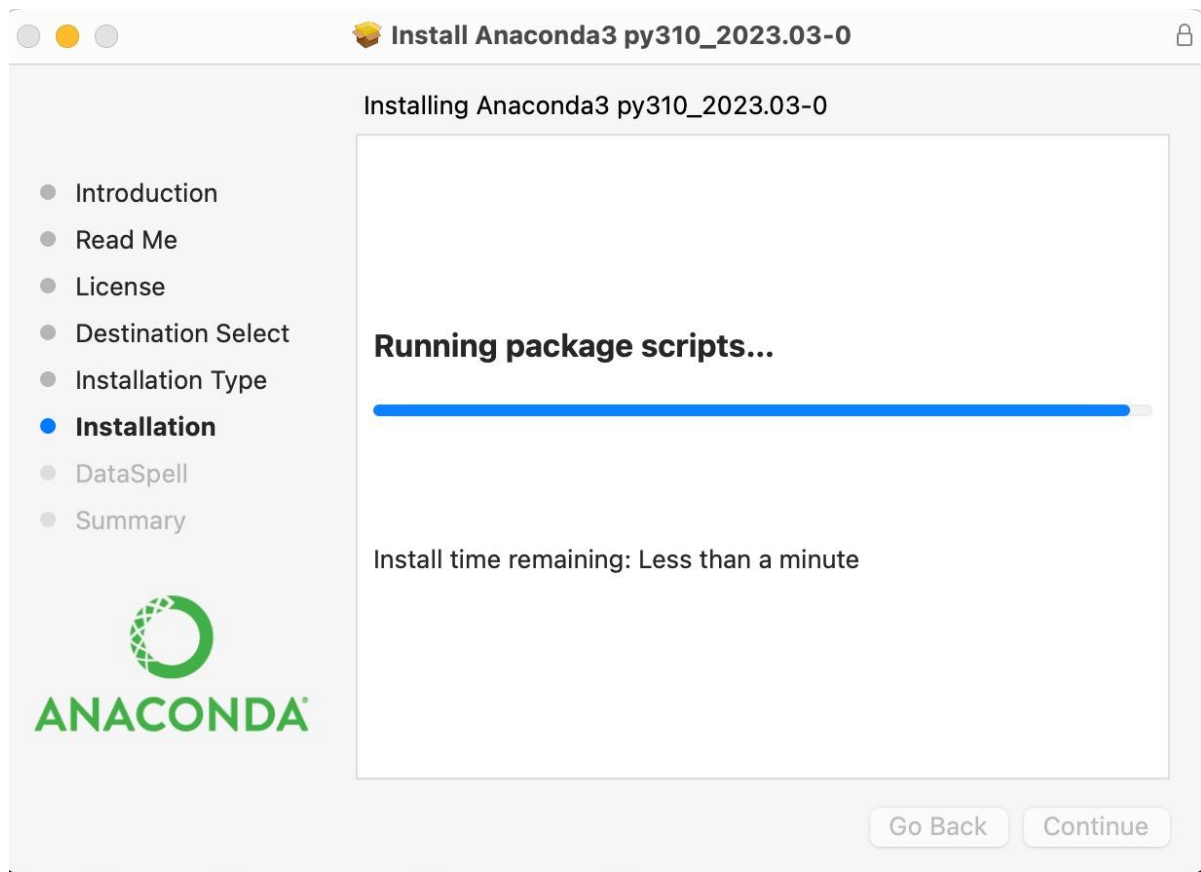
Click on Install; provide the password if prompted.



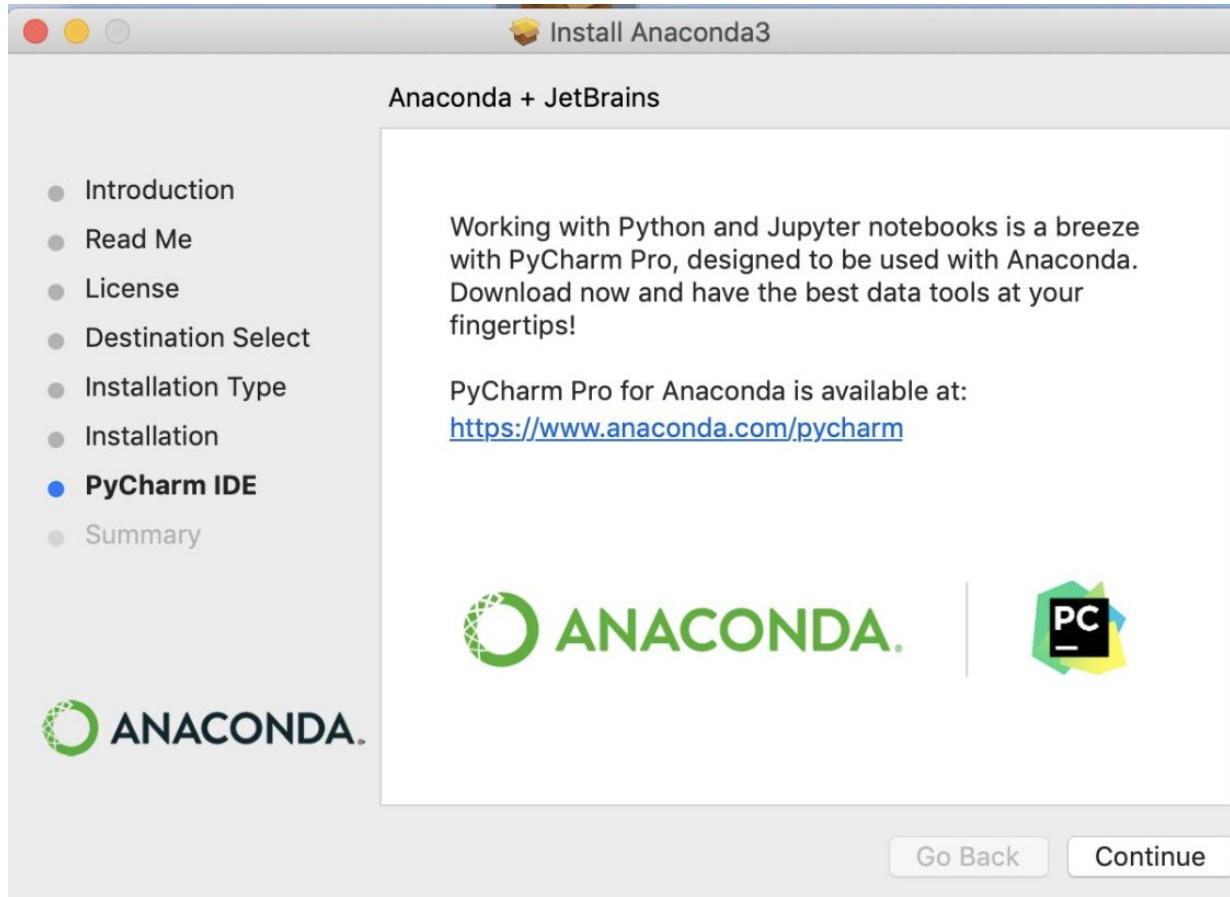
Click on Install; provide the password if prompted.



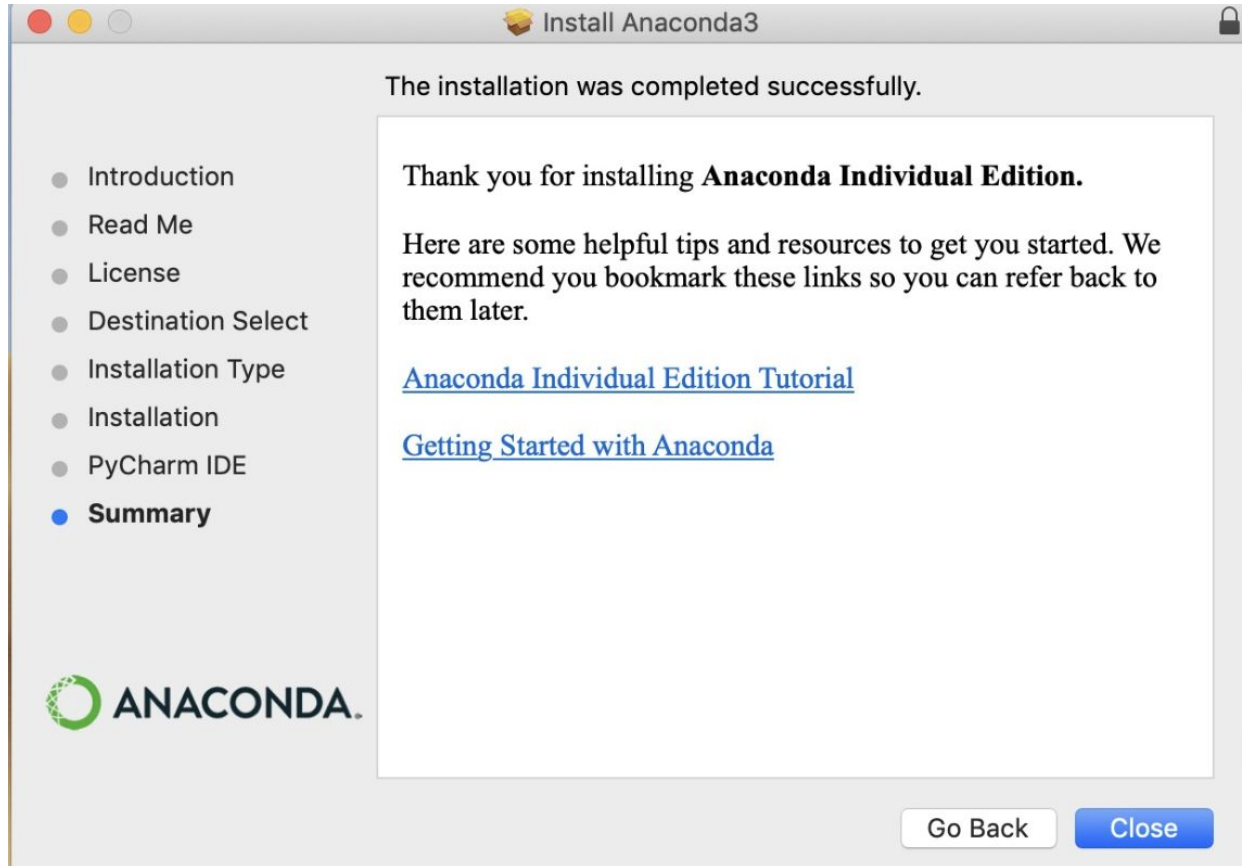
Anaconda will be installed.



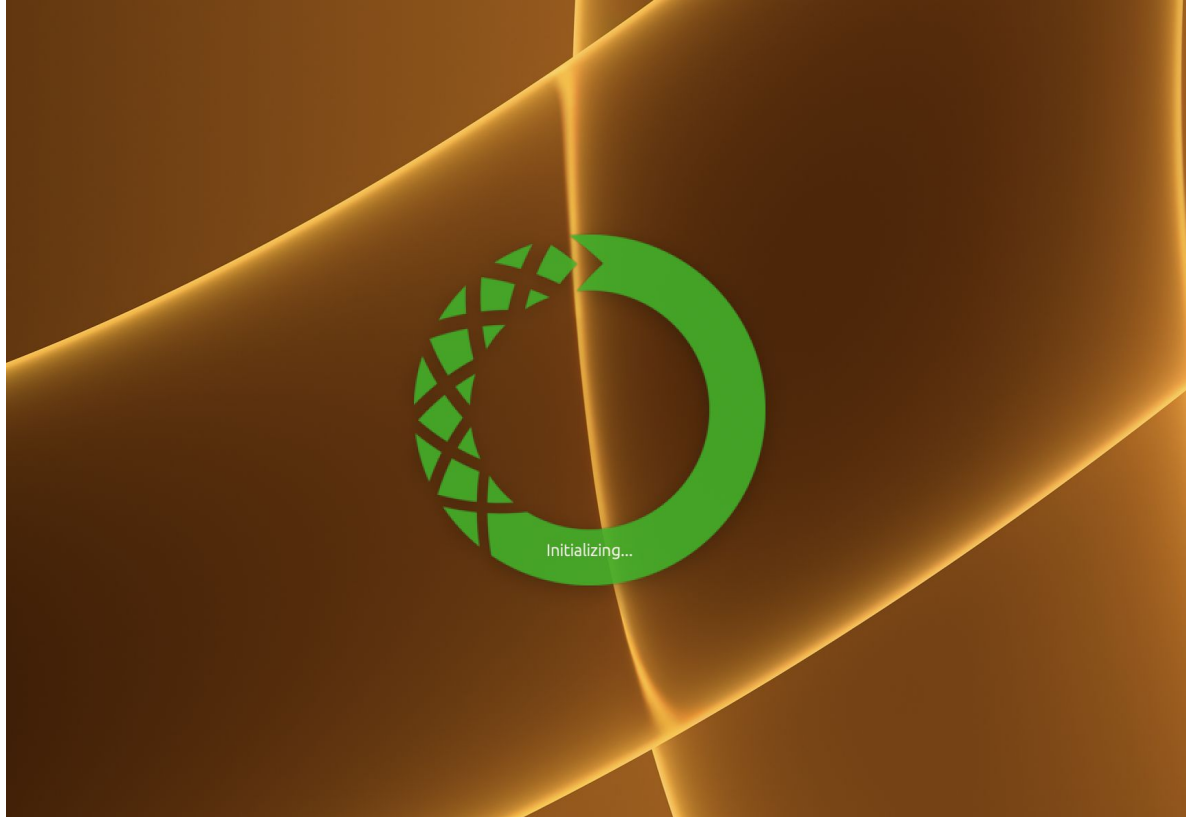
Click on continue.



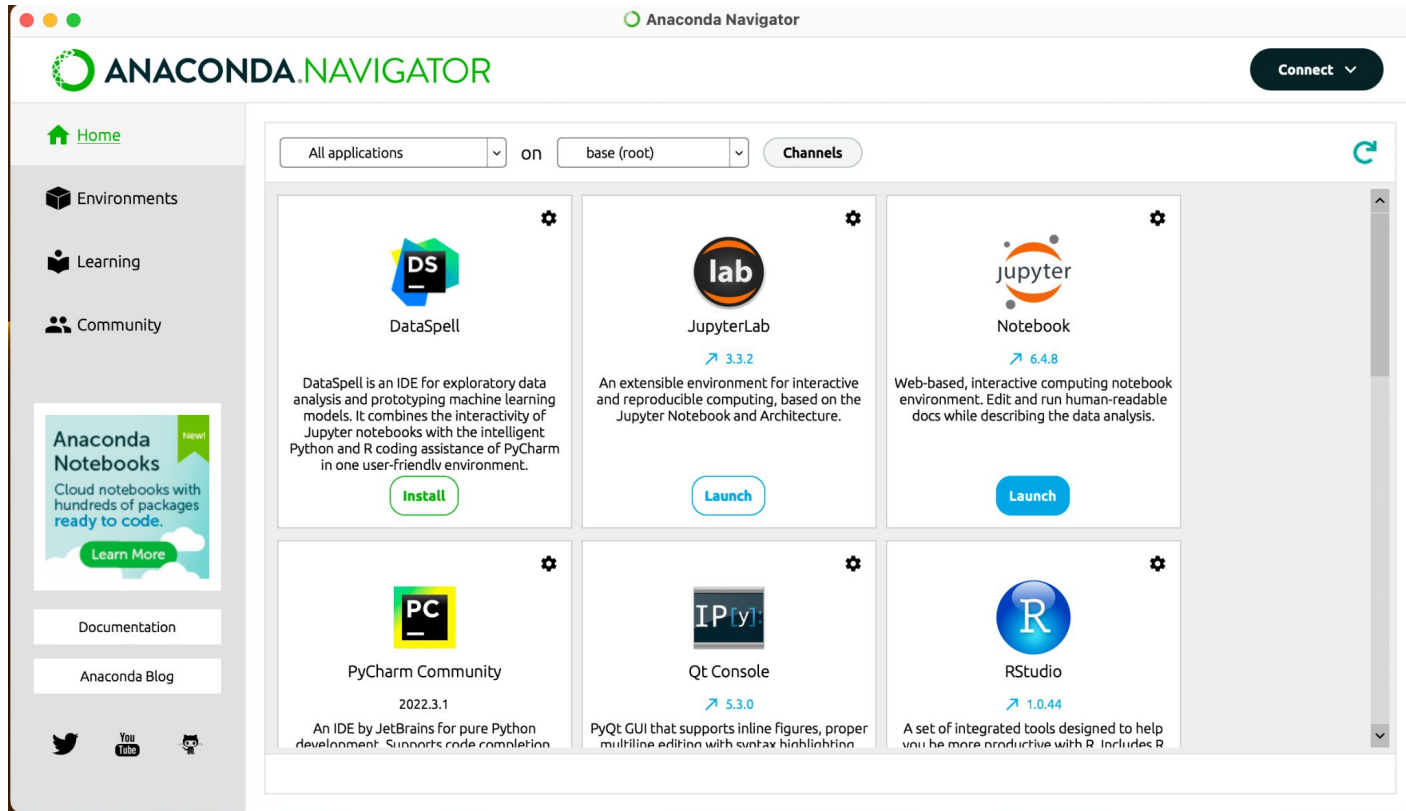
Close the window after completing all steps.



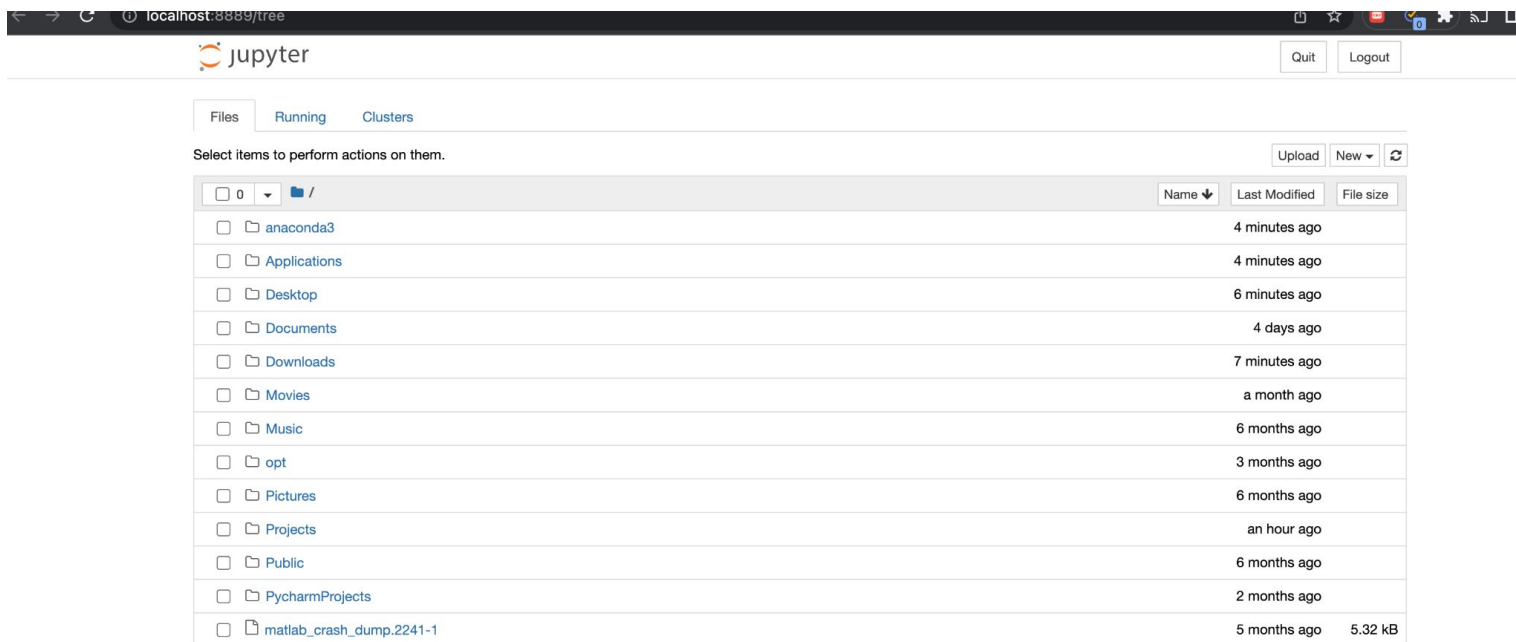
You can search for the Anaconda navigator after installing it in your destination folder and open it.



You can launch Jupyter Notebook after opening the navigator.



You can then open the desired ipynb file or create a new notebook.



The screenshot shows the JupyterLab web interface in a browser window. The address bar shows 'localhost:8889/tree'. The JupyterLab logo is in the top left, and 'Quit' and 'Logout' buttons are in the top right. Below the header, there are tabs for 'Files', 'Running', and 'Clusters'. The 'Files' tab is active, showing a file browser. At the top of the file browser, there is a prompt 'Select items to perform actions on them.' and buttons for 'Upload', 'New', and a refresh icon. Below this is a table of files and folders. The table has columns for 'Name', 'Last Modified', and 'File size'. The files listed are: 'anaconda3' (4 minutes ago), 'Applications' (4 minutes ago), 'Desktop' (6 minutes ago), 'Documents' (4 days ago), 'Downloads' (7 minutes ago), 'Movies' (a month ago), 'Music' (6 months ago), 'opt' (3 months ago), 'Pictures' (6 months ago), 'Projects' (an hour ago), 'Public' (6 months ago), 'PycharmProjects' (2 months ago), and 'matlab_crash_dump.2241-1' (5 months ago, 5.32 kB).

	Name	Last Modified	File size
<input type="checkbox"/>	anaconda3	4 minutes ago	
<input type="checkbox"/>	Applications	4 minutes ago	
<input type="checkbox"/>	Desktop	6 minutes ago	
<input type="checkbox"/>	Documents	4 days ago	
<input type="checkbox"/>	Downloads	7 minutes ago	
<input type="checkbox"/>	Movies	a month ago	
<input type="checkbox"/>	Music	6 months ago	
<input type="checkbox"/>	opt	3 months ago	
<input type="checkbox"/>	Pictures	6 months ago	
<input type="checkbox"/>	Projects	an hour ago	
<input type="checkbox"/>	Public	6 months ago	
<input type="checkbox"/>	PycharmProjects	2 months ago	
<input type="checkbox"/>	matlab_crash_dump.2241-1	5 months ago	5.32 kB

Now you are ready to play.

localhost:8889/notebooks/Downloads/Lab_1_s29/1A.%20Distribution%20of%20first%20digits.ipynb

jupyter 1A. Distribution of First Digits (unsaved changes) Logout

File Edit View Insert Cell Kernel Widgets Help Not Trusted Python 3 (ipykernel)

The Distribution of First Digits

In this lab, you will explore the distribution of first digits in real data. For example, the first digits of the numbers 52, 30.8, and 0.07 are 5, 3, and 7 respectively. In this lab, you will investigate the question: how frequently does each digit 1-9 appear as the first digit of the number?

Question 0

Make a prediction.

1. Approximately what percentage of the values do you think will have a first digit of 1? What percentage of the values do you think will have a first digit of 9?
2. Approximately what percentage of the values do you think will have a last digit of 1? What percentage of the values do you think will have a last digit of 9?

(Don't worry about being wrong. You will earn full credit for any justified answer.)

ENTER YOUR WRITTEN EXPLANATION HERE.

Question 1

The [S&P 500](#) is a stock index based on the market capitalizations of large companies that are publicly traded on the NYSE or NASDAQ. The CSV file `sp500.csv` contains data from February 1, 2018 about the stocks that comprise the S&P 500. We will investigate the first digit distributions of the variables in this data set.

Read in the S&P 500 data. What is the unit of observation in this data set? Is there a variable that is natural to use as the index? If so, set that variable to be the index. Once you are done, display the `DataFrame`.

```
In [1]: # ENTER YOUR CODE HERE.
import pandas as pd
df = pd.read_csv("sp500.csv")
```

