

Solo 9.0 Python Configuration

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September 7, 2021

Use this as a reference guide to set up Python in Solo to access extra methods that PLS_Toolbox has to offer using various Python libraries, including:

- scikit-learn (ANNDL, ANNDLDA, TSNE)
 - umap-learn (UMAP)
 - tensorflow (ANNDL, ANNDLDA)
- . For more information, visit the [configuration wiki](#).

Outline of procedure:

- Download and installation of the Miniconda3 software
- Steps to configure in Solo
- Notes: If this procedure is not followed, you will not have access to the methods listed above and errors will occur if methods are attempted to be accessed.
- Remove Python environment or Miniconda3

Miniconda3 Download and Installation

- Installation
 - Open a browser and navigate [here](#). Follow these instructions:
 - * Pick a link that explicitly states **Miniconda3** on whichever system you are running. See the annotated screenshot below:

Windows installers

Windows

Python version	Name	Size	SHA256 hash
Python 3.9	Miniconda3 Windows 64-bit	57.7 MiB	c3a43d6bc4c4fa92454dbfa636ccb859a045d875df602b31ae71b9e0c3fec2b8
	Miniconda3 Windows 32-bit	54.9 MiB	5045fb9dc4405dbba21054262b7d104ba61a8739c1a56038ccb0258f233ad646
Python 3.8	Miniconda3 Windows 64-bit	57.0 MiB	4fa22bb04972abb5b6608cb8843545372a99f5331c8120099ae1d803f627c61
	Miniconda3 Windows 32-bit	54.2 MiB	9c2ef76bae97246c85c206733ca30fd1feb8a4b3f90a2a51fea681ce7ebc661
Python 2.7	X Miniconda2 Windows 64-bit	54.1 MiB	6973025404832944e074bf02bda8c4594980eed4707bb51baa8fbdba4bf326c
	X Miniconda2 Windows 32-bit	47.7 MiB	c8049d26f8b6b954b57bcd4e99ad72d1ffa13f4a6b218e64e641504437b2617b

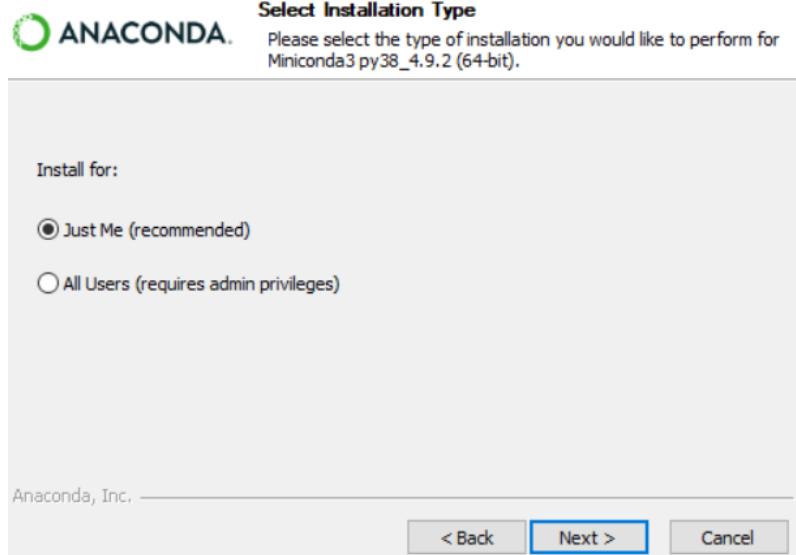
If you are running macOS, please select a pkg installer. See the annotated screenshot below.

MacOSX installers

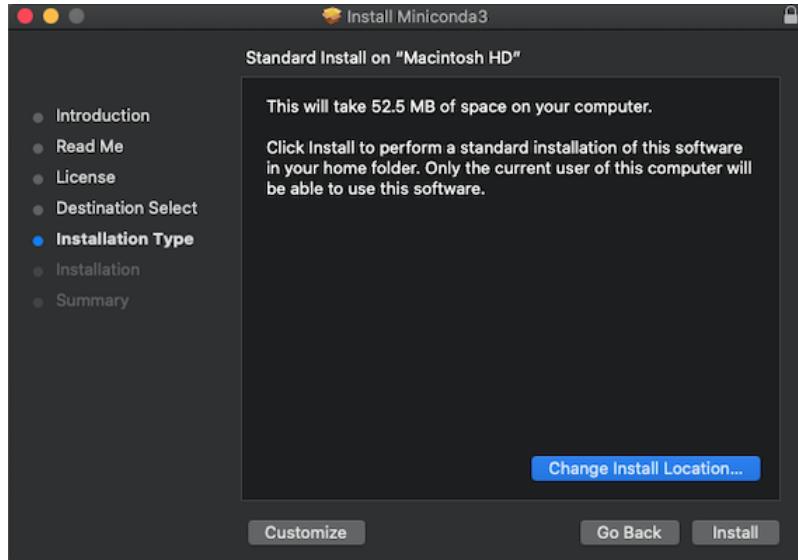
MacOSX			
Python version	Name	Size	SHA256 hash
Python 3.9	Miniconda3 MacOSX 64-bit bash	42.2 MiB	b3bf77ccb81ee235ec6858146a2a84d20f8ecdeb614678030c39baacb5acbed1
	Miniconda3 MacOSX 64-bit pkg	49.7 MiB	298ff80803817921a98e21d81d60f93b44afce67aec8ae492d289b13741bcffe
Python 3.8	Miniconda3 MacOSX 64-bit bash	54.5 MiB	a9ea0afba55b5d872e01323d495b649eac8ff4ce2ea098fb4c357b6139fe6478
	Miniconda3 MacOSX 64-bit pkg	62.0 MiB	b06f3bf3cffa9b53695c9c3b8da05bf583bc7047d45b0d74492f154d85e317fa
Python 2.7	Miniconda2 MacOSX 64-bit bash	40.3 MiB	0e2961e20a2239c140766456388beb6630f0c869020d2bd1870c3d040980b45
	Miniconda2 MacOSX 64-bit pkg	48.4 MiB	9ca4313e8162a939c7a5a4f48d657722594f8db9a98472803d63c3a7f66fa1da

- * Open installer once it is been downloaded.
- * You may be asked to install for just the user like in the screenshot below, select this option.

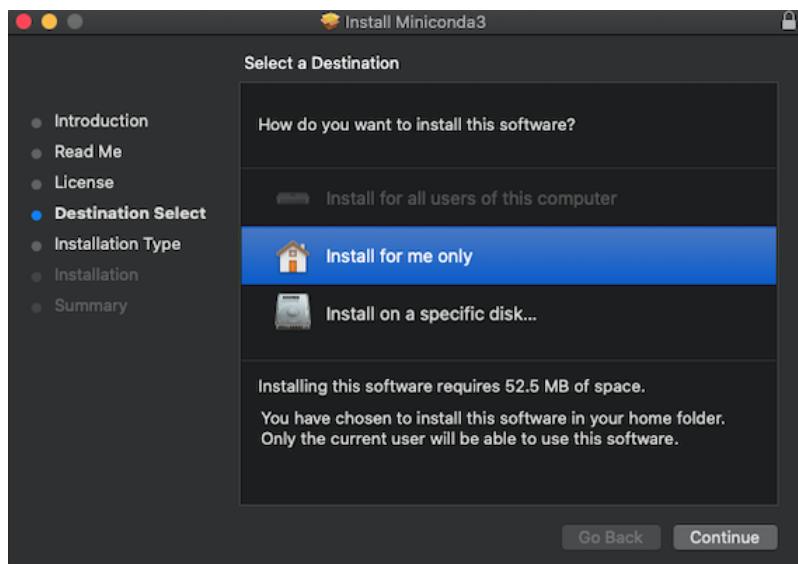
- For reference, here is how it would appear on a Windows machine:



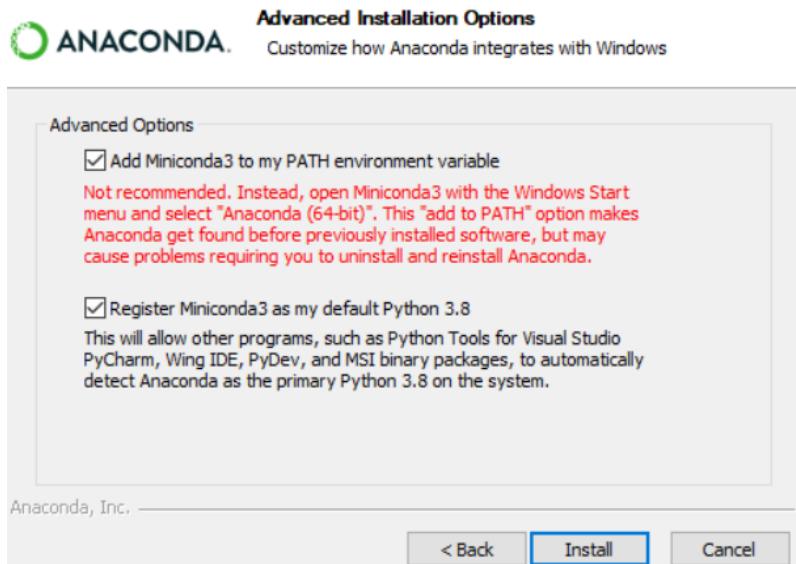
- For Mac machines under the **Installation Type** part, select the '**Change Install Location**' button like below:



Then click on the '**Install for me only**' button and click '**Continue**':



- * When asked where Miniconda3 should be installed, leave the default destination folder untouched.
- * If you are asked to add Miniconda3 to the system path, do so by checking the box like in the picture below.



* Hit **Install** to complete installation.

Configuration in Solo

- Open Solo. Go to **Edit>Options>Python** and click **Configure Python**.

Test Configuration

- Load data and try one of these Python methods. If there are errors, visit the [troubleshooting page](#)

Python Integration Removal

Open Solo to perform the following.

- Virtual Environment Removal
 - Go to **Edit>Options>Python** and click **Remove PLS_Toolbox Python Environment**.
- Miniconda3 Removal
 - Go to **Edit>Options>Python** and click **Remove Miniconda3**.