Solo 9.0 Python Configuration

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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:

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	b3bf77cbb81ee235ec6858146a2a84d20f8ecdeb614678030c39baacb5acbed1
	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	0e2961e20a2239c140766456388beba6630f0c869020d2bd1870c3d040980b45
	✗ 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:
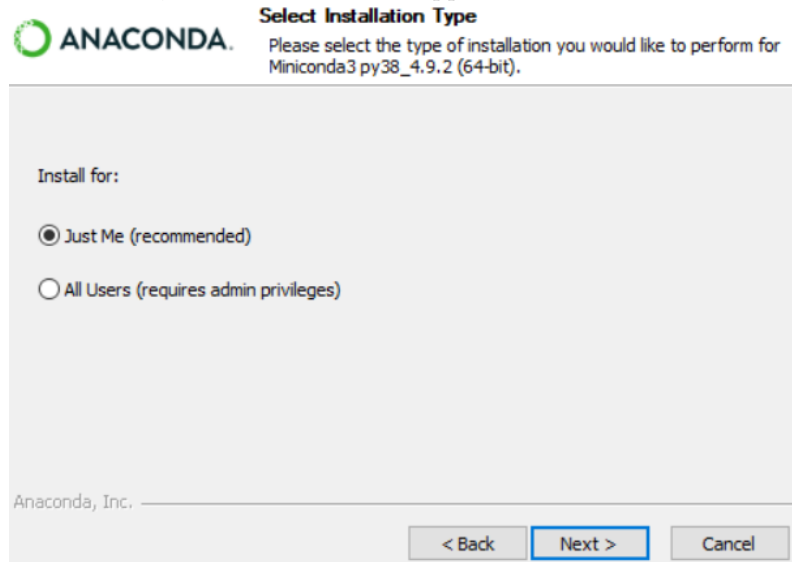
· For Mac machines under the **Installation Type** part, select the **'Change Install Location'** button like below:

2
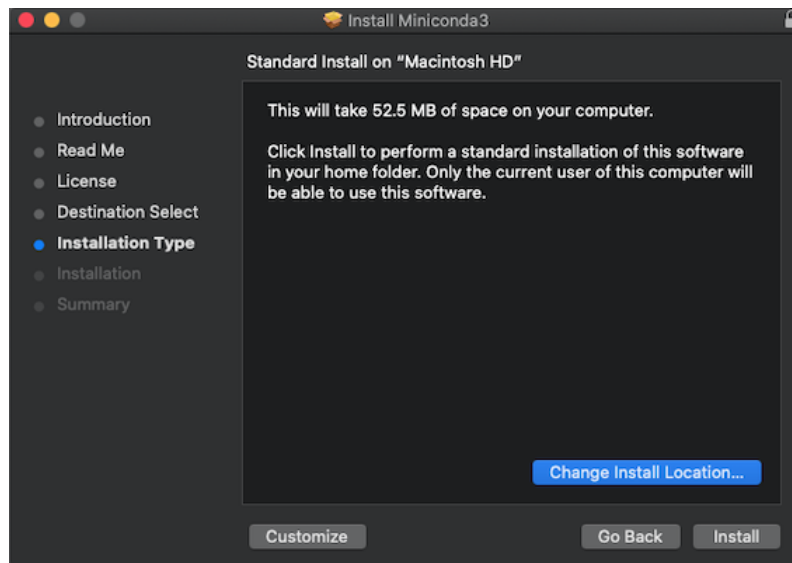
Then click on the **'Install for me only'** button and click **'Continue'**:
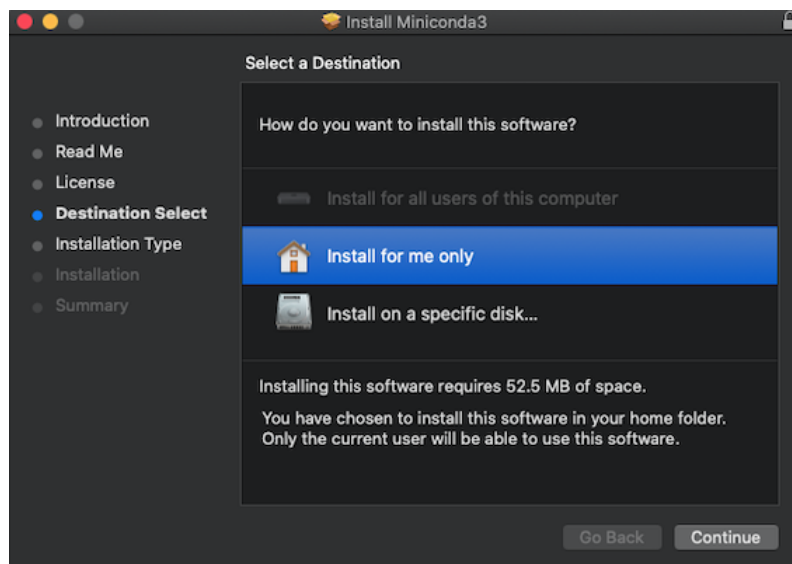
∗ When asked where Miniconda3 should be installed, leave the default destination folder untouched.

∗ If you are asked to add Miniconda3 to the system path, do so by checking the box like in the picture below.
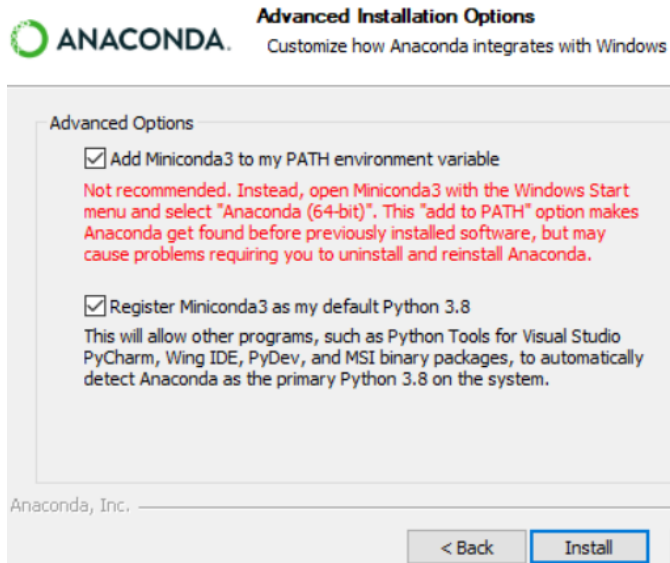
* Hit **Install** to complete installation.

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**.