

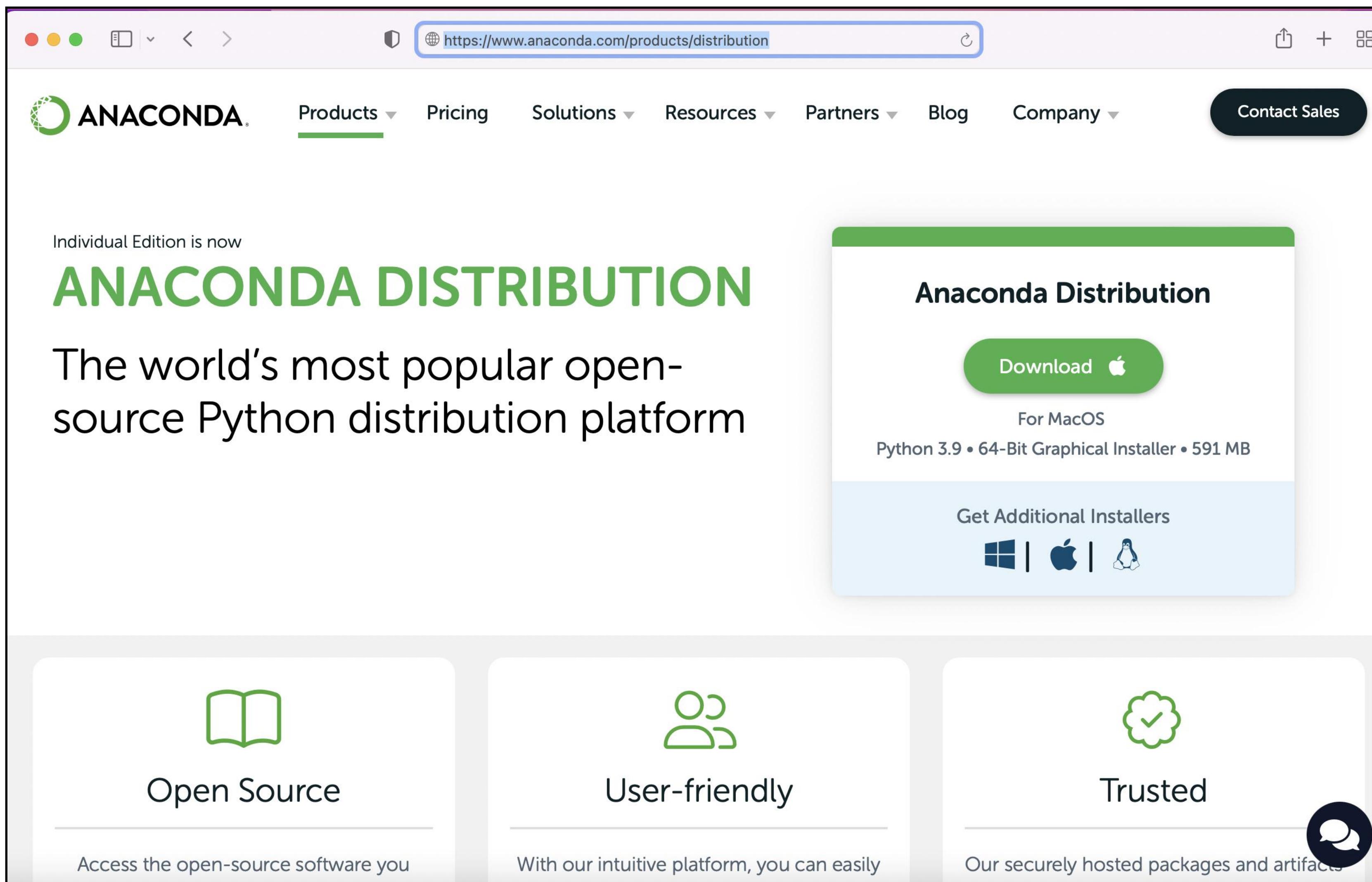
anacondaのインストール

Windowsでanacondaのインストールがうまくいかない人はWinpythonのインストールを行ってください。

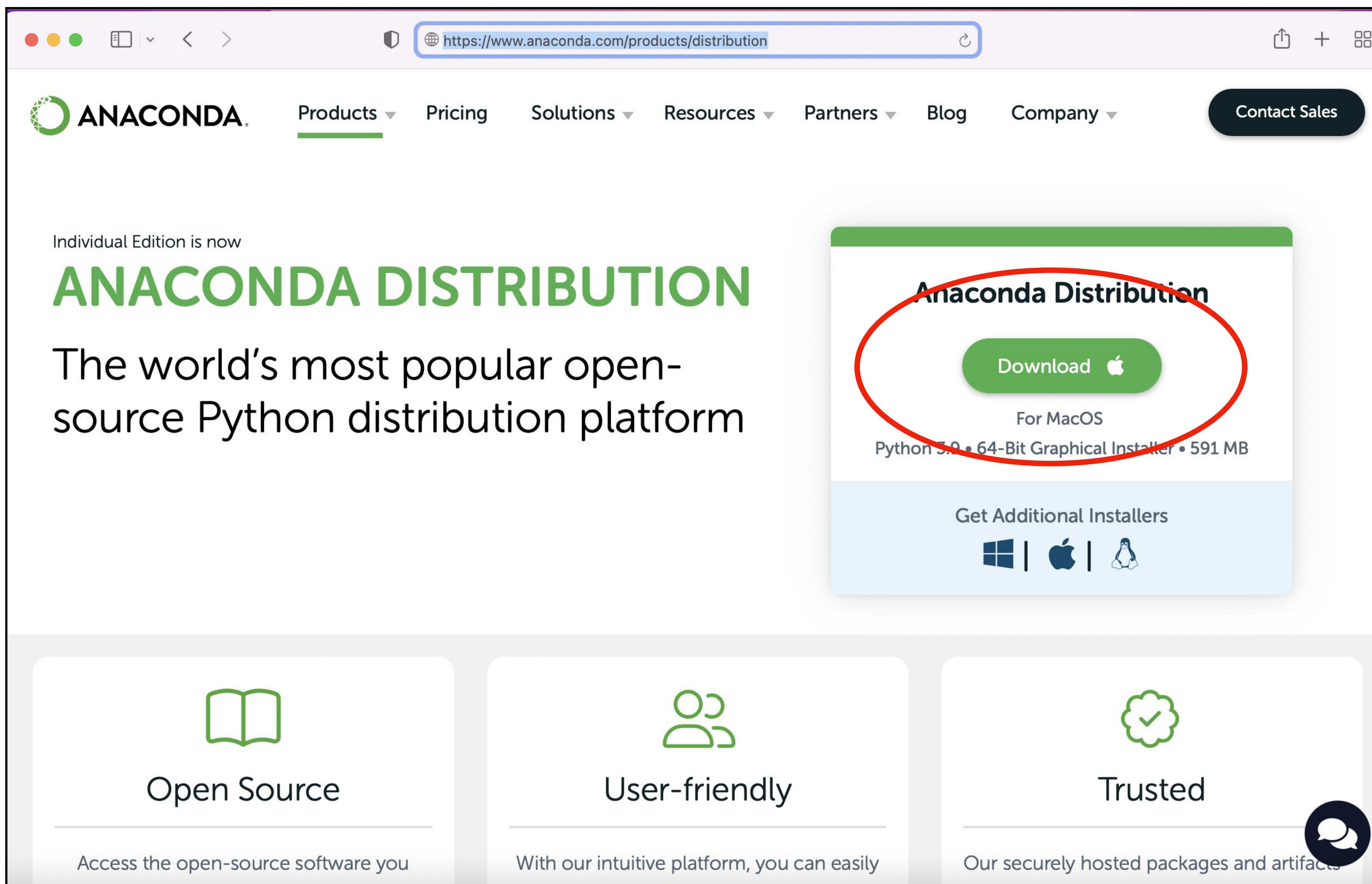
2022/06/02実施

下記URLからanacondaのダウンロードサイトに移動します

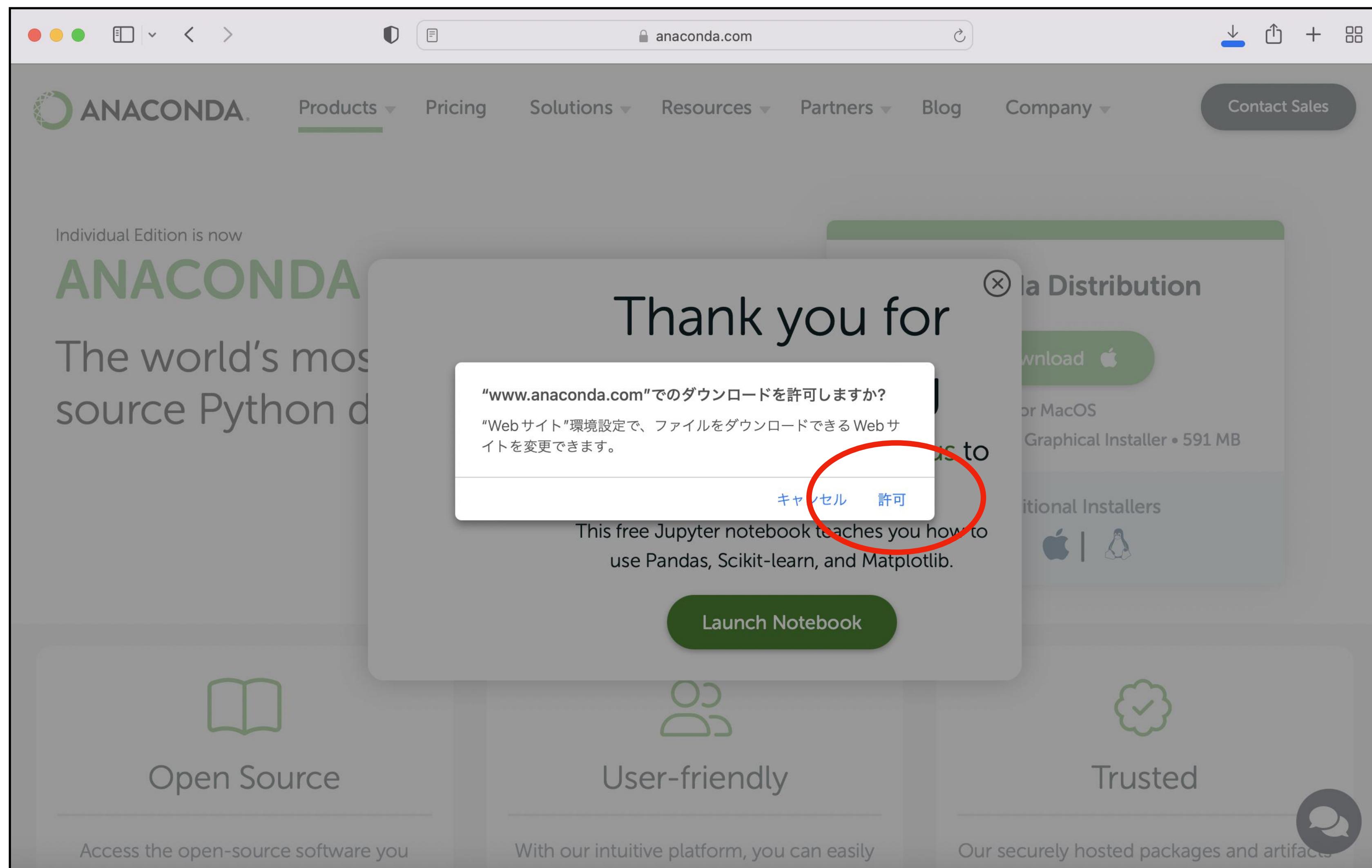
<https://www.anaconda.com/products/distribution>



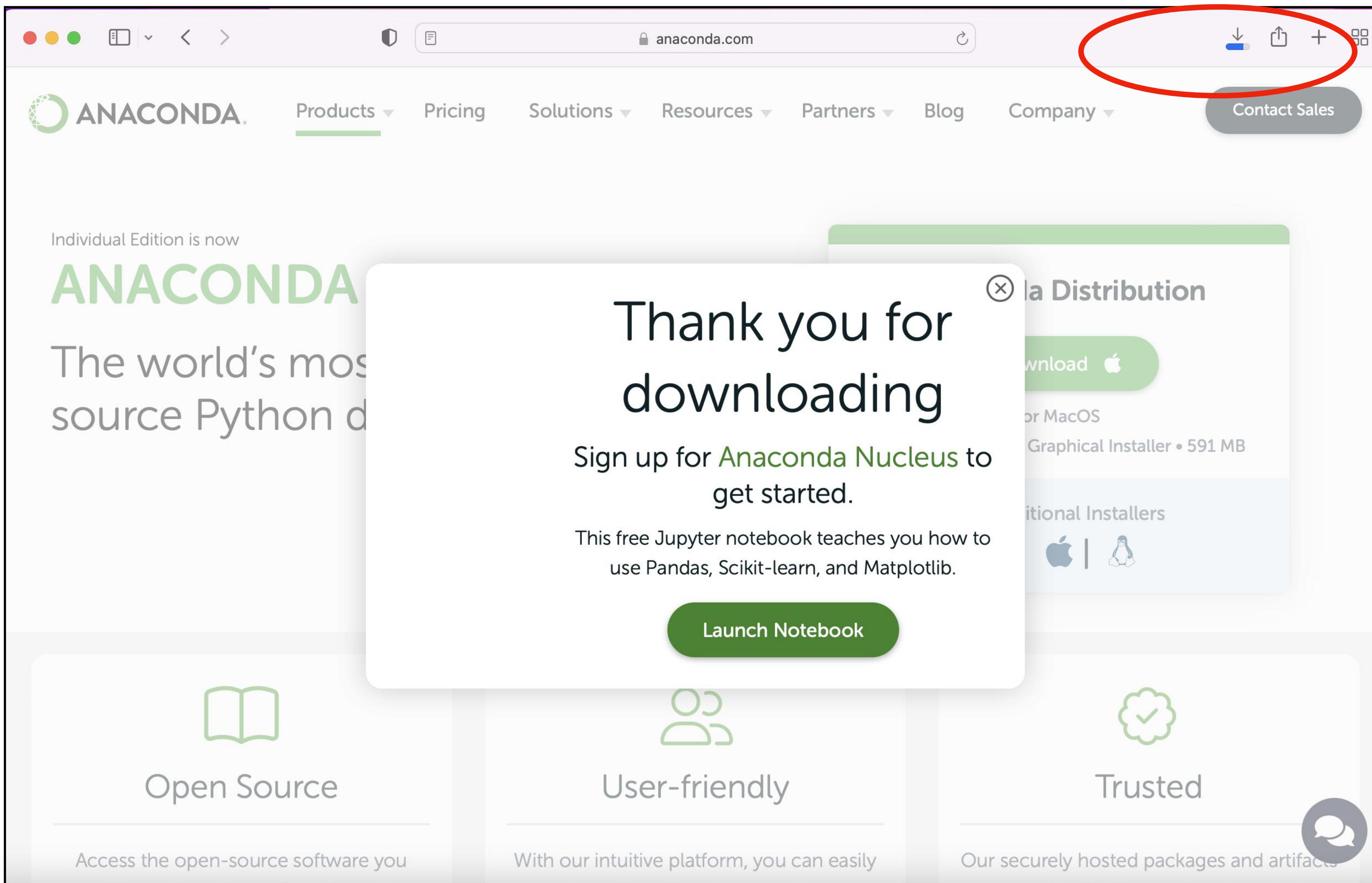
Downloadをクリックします



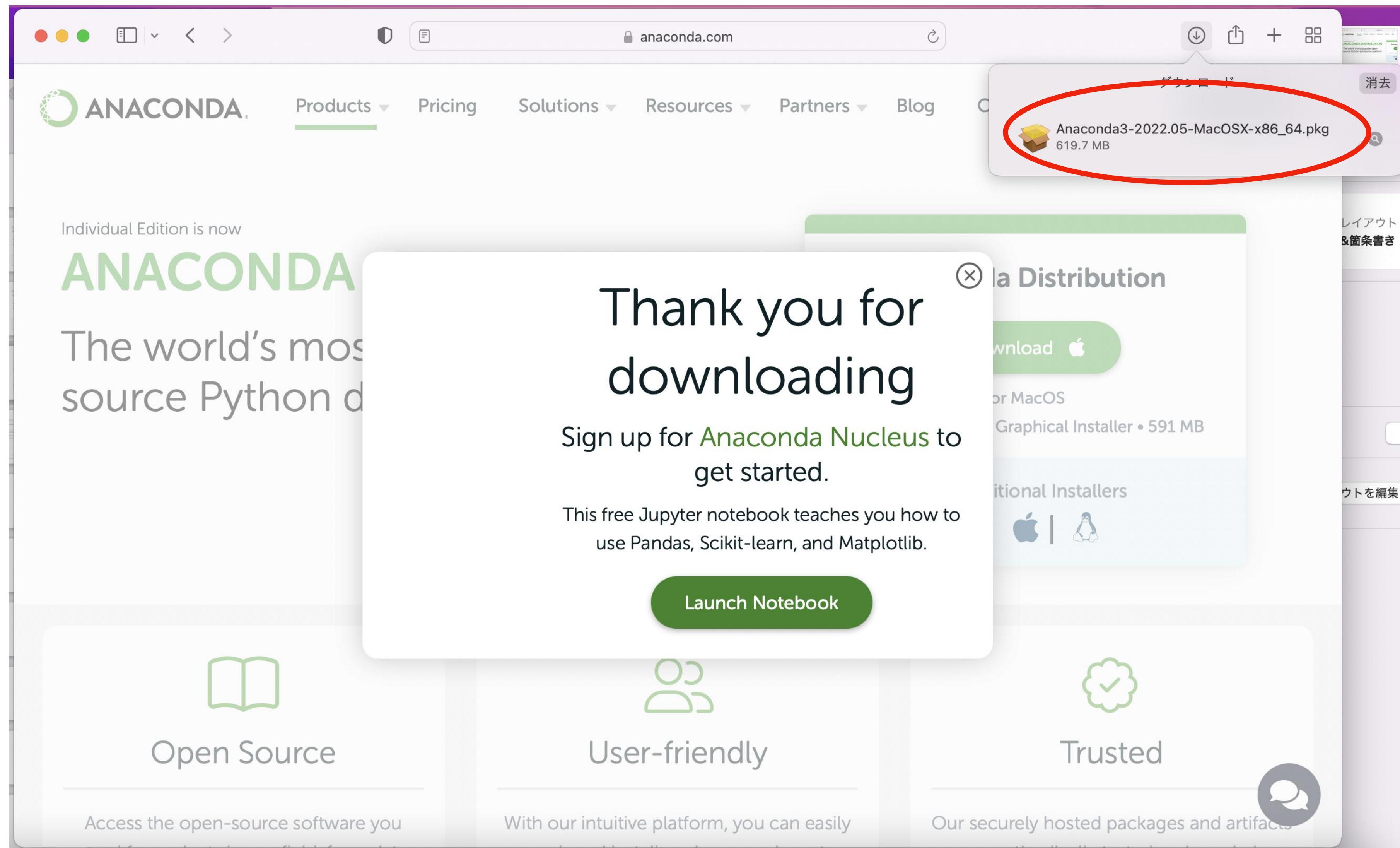
許可をクリックします



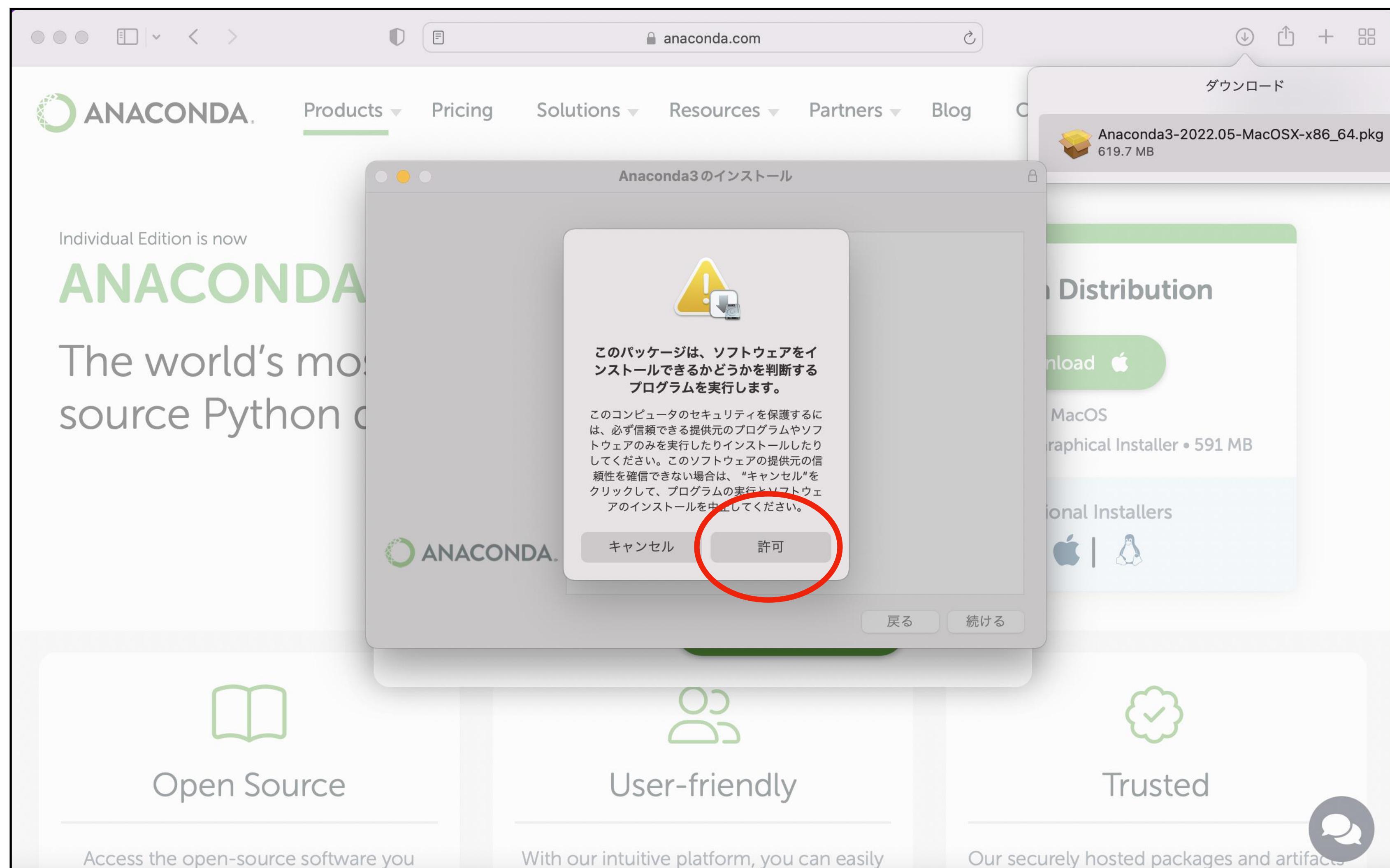
ダウンロードが終わるまで待ちます
(中央のメッセージは無視していいです)



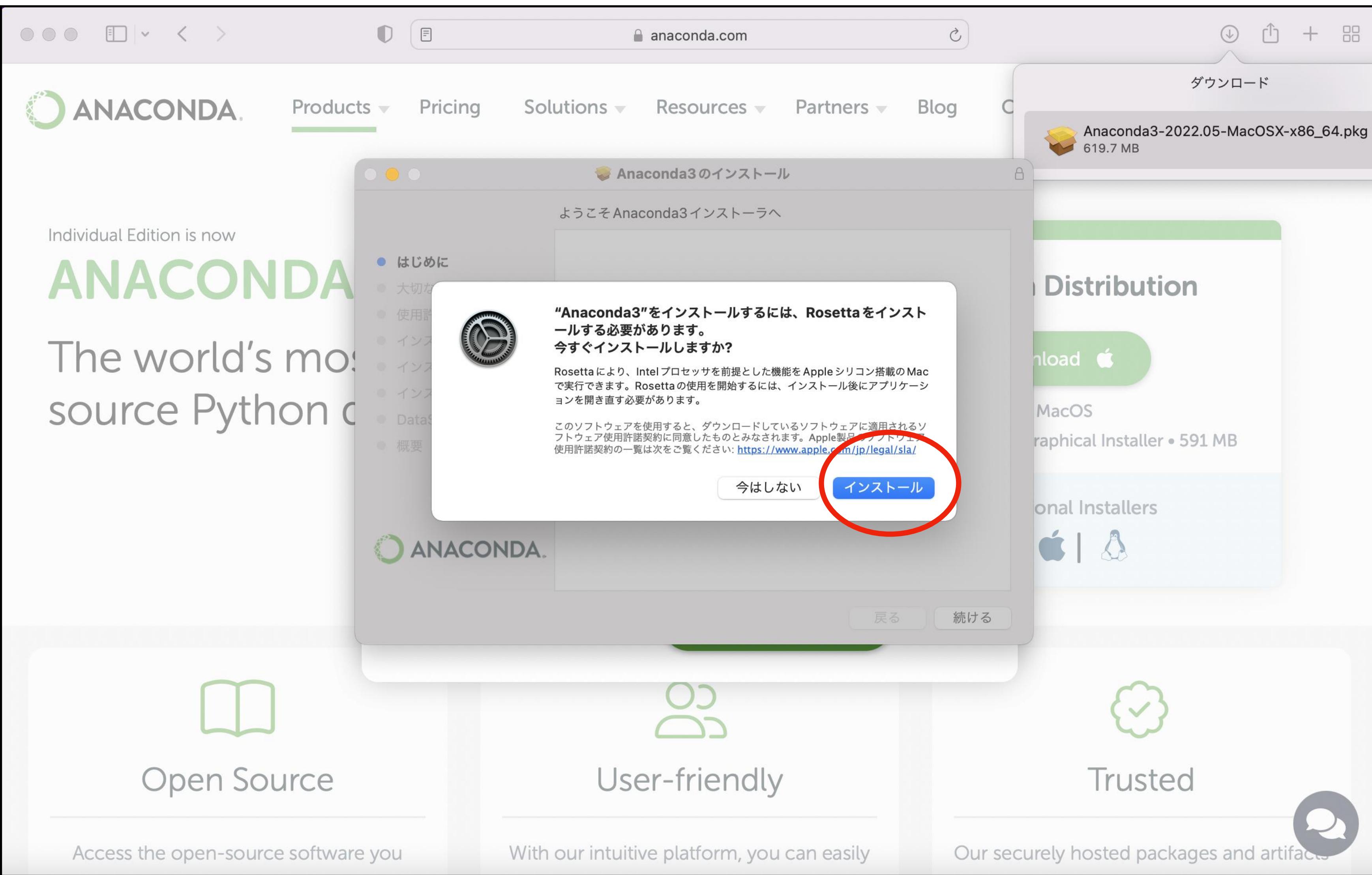
ダウンロードしたファイルをダブルクリックします



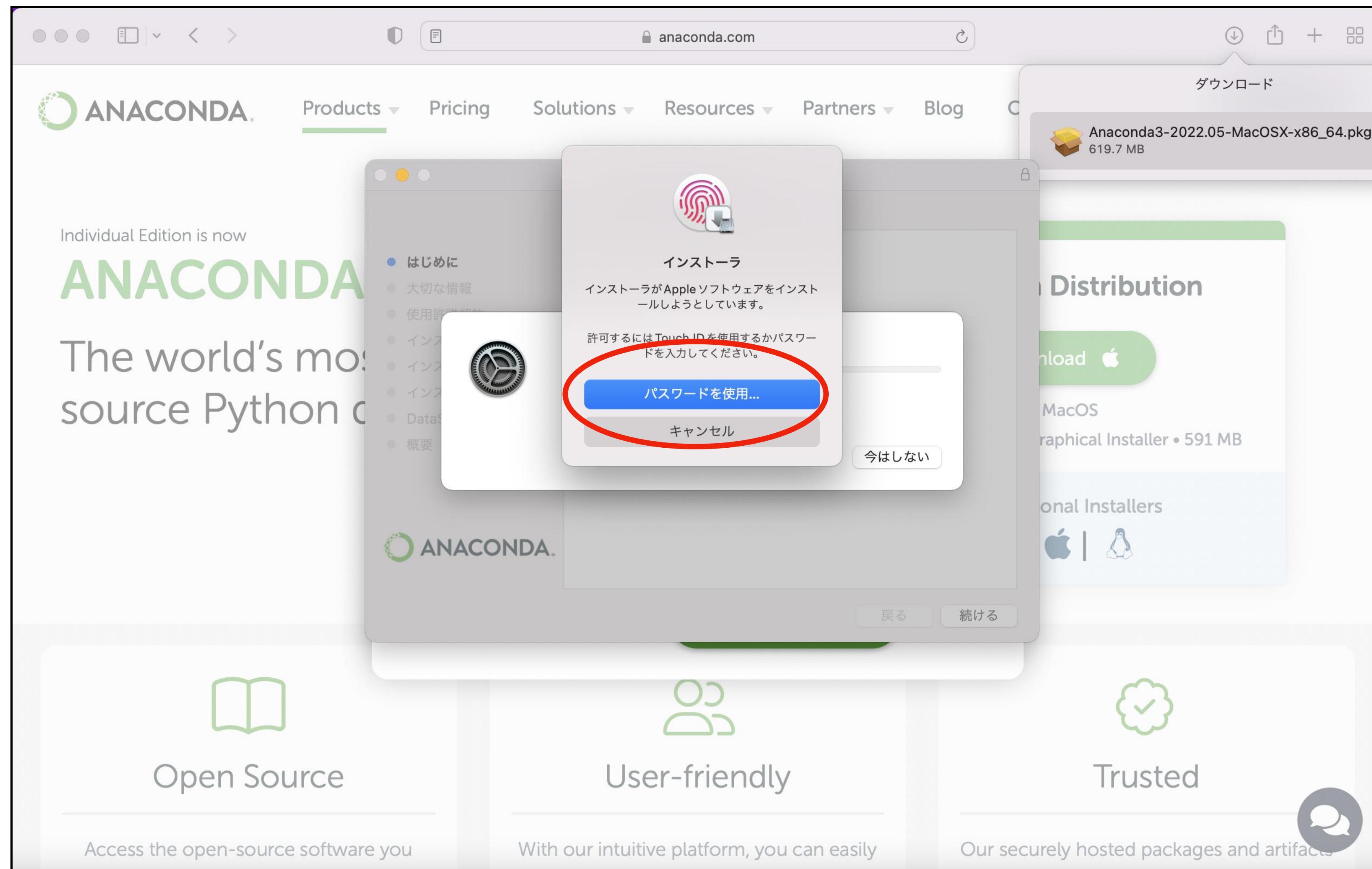
許可をクリックします



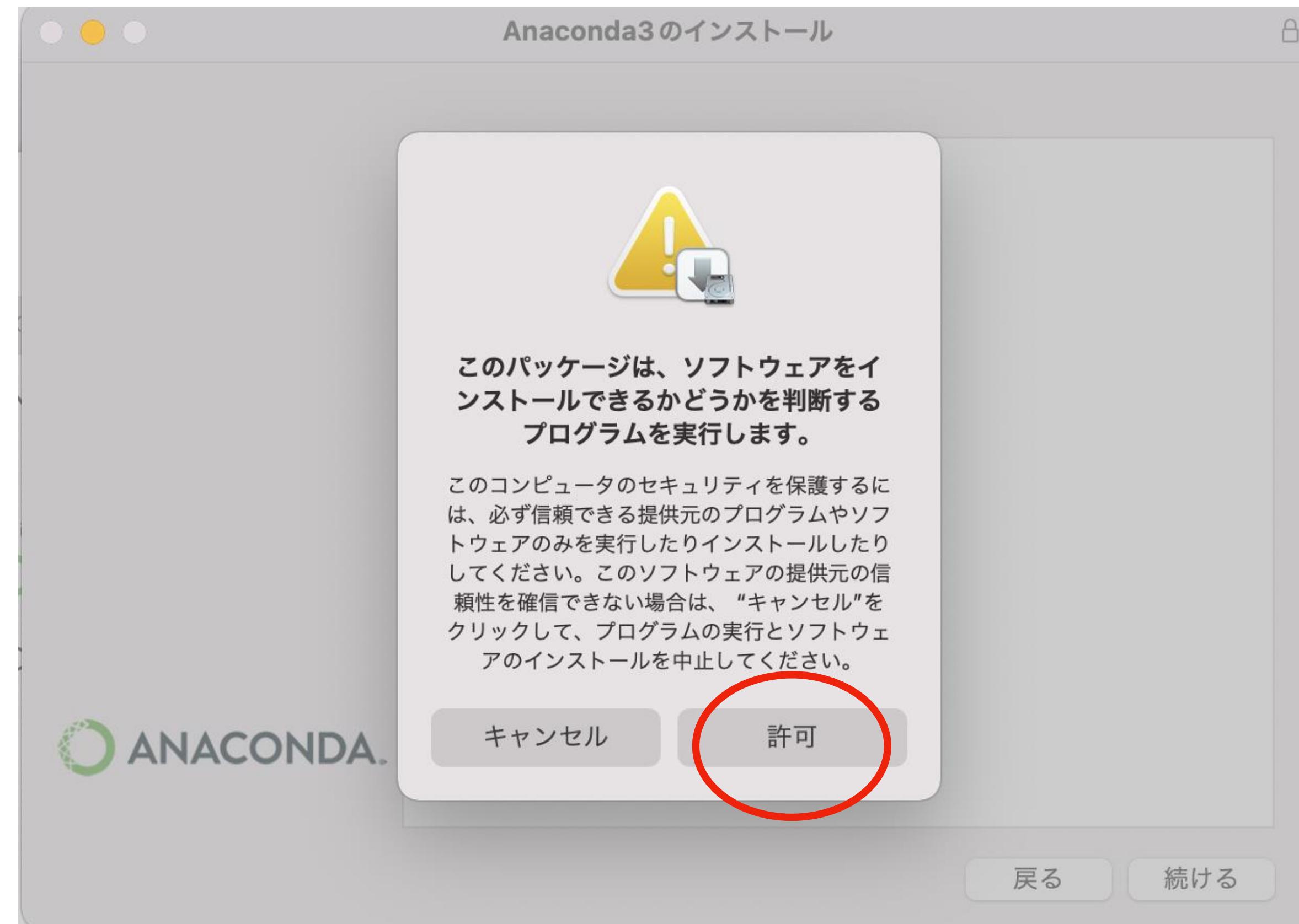
インストールをクリックします



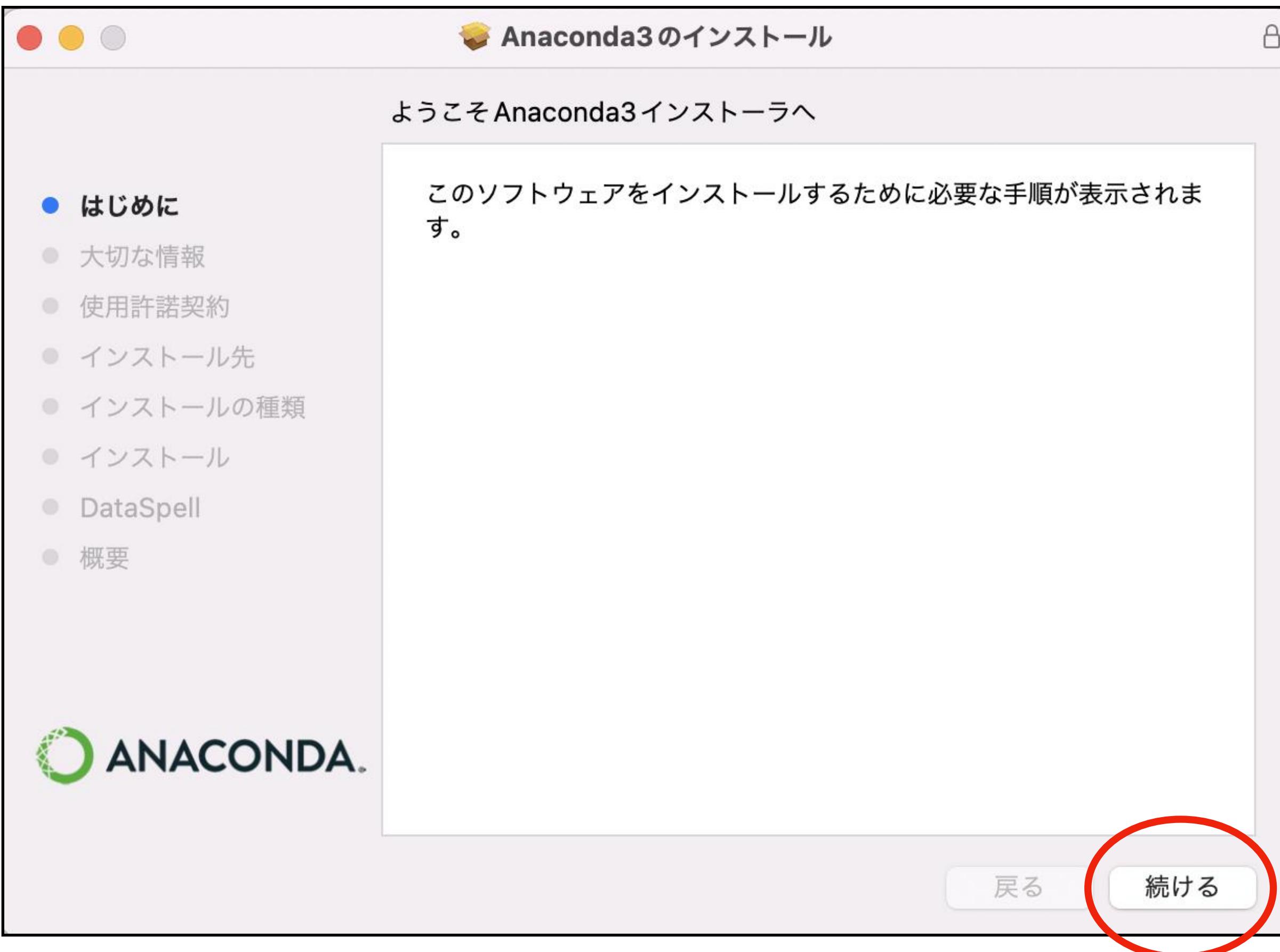
パスワードもしくはTouch IDを入力します



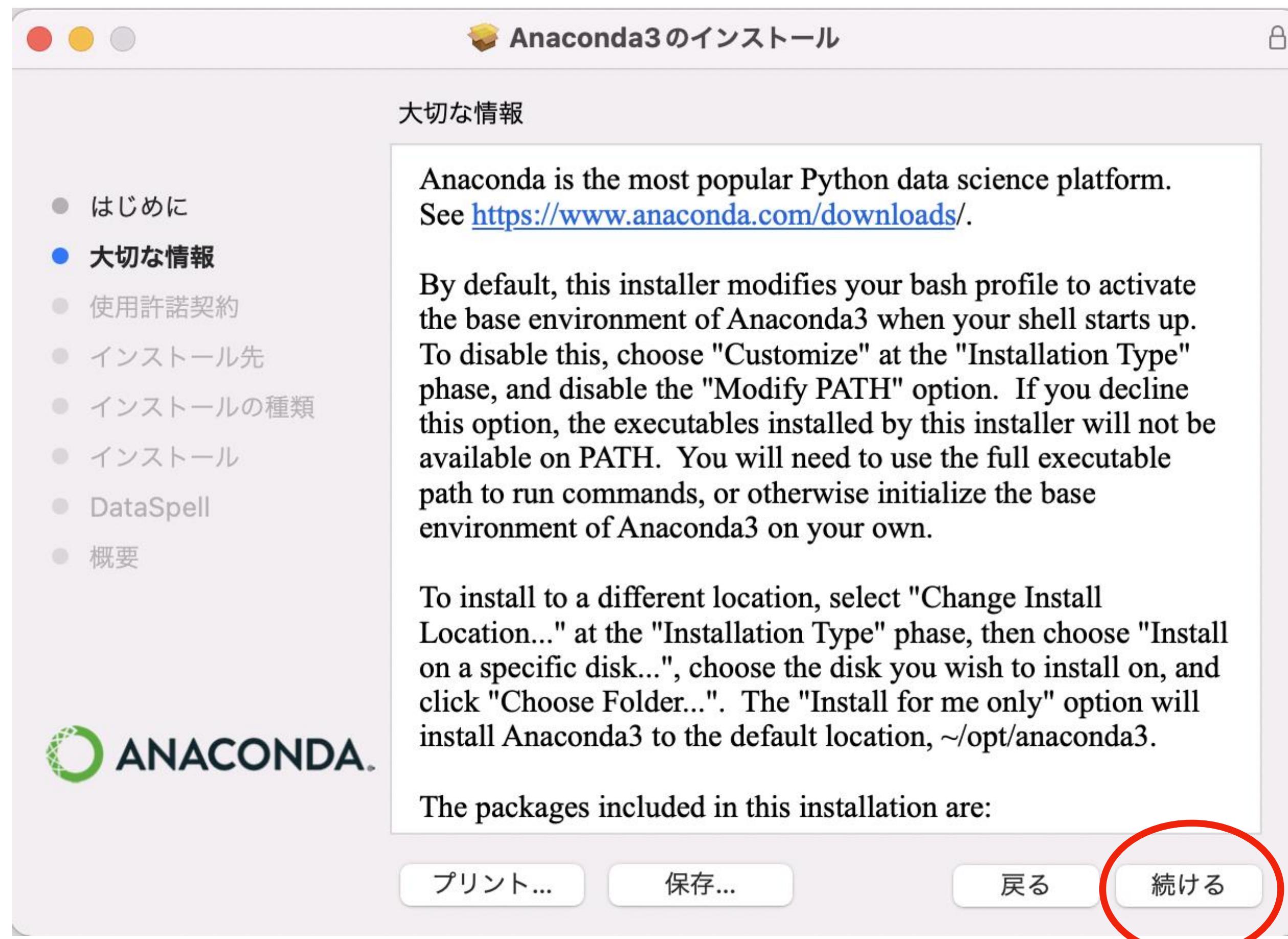
許可をクリックします



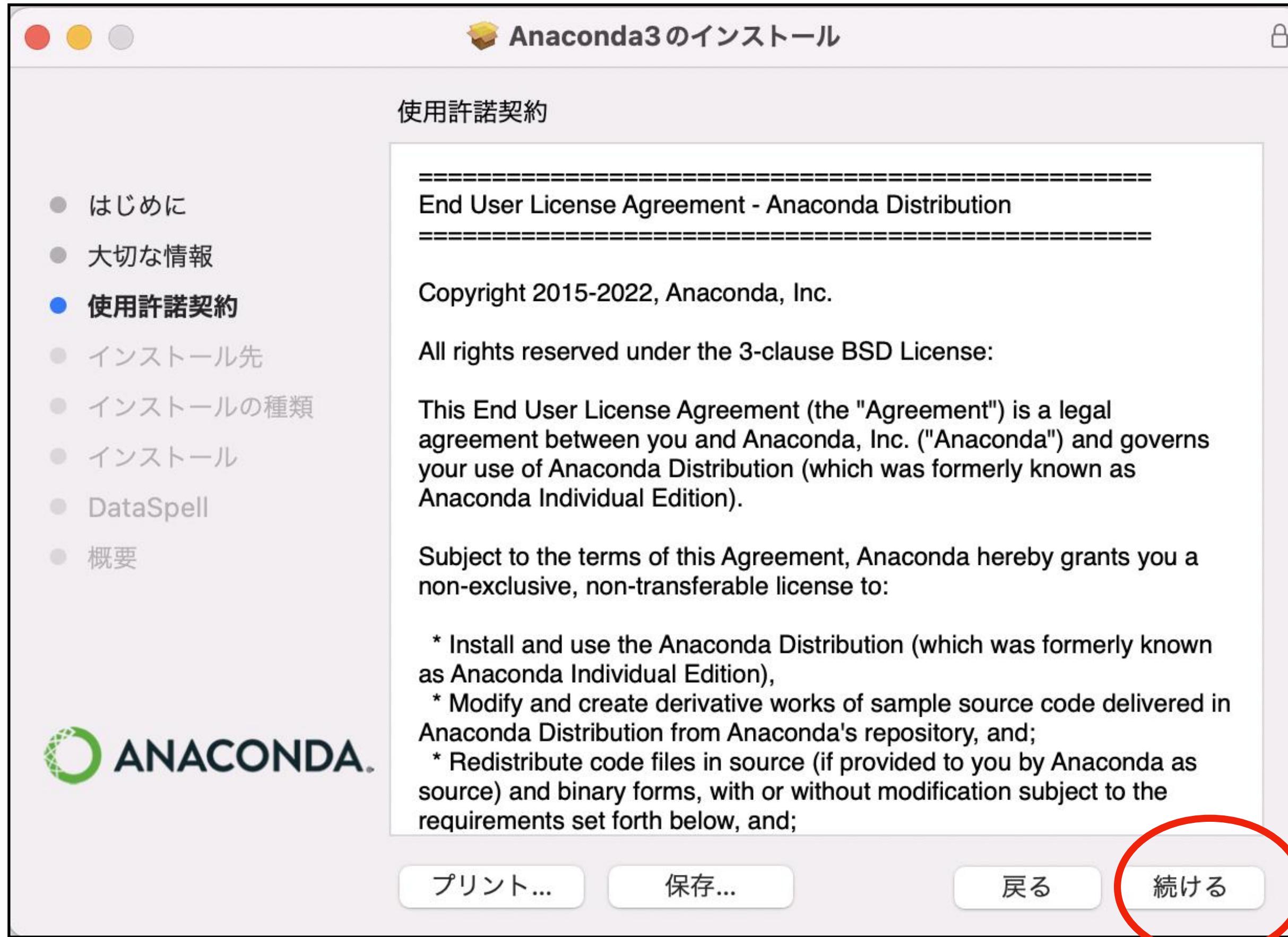
続けるをクリックします



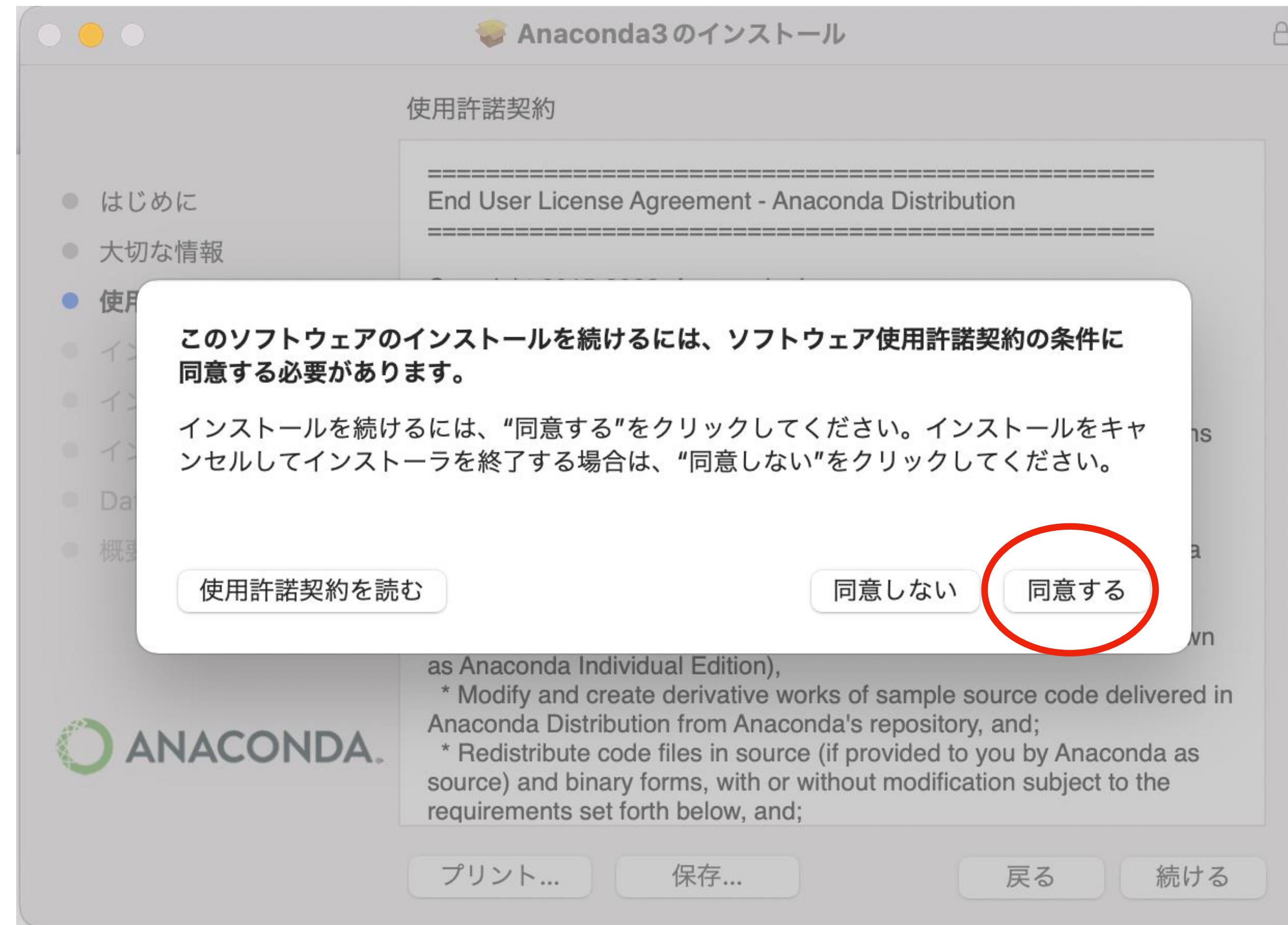
続けるをクリックします



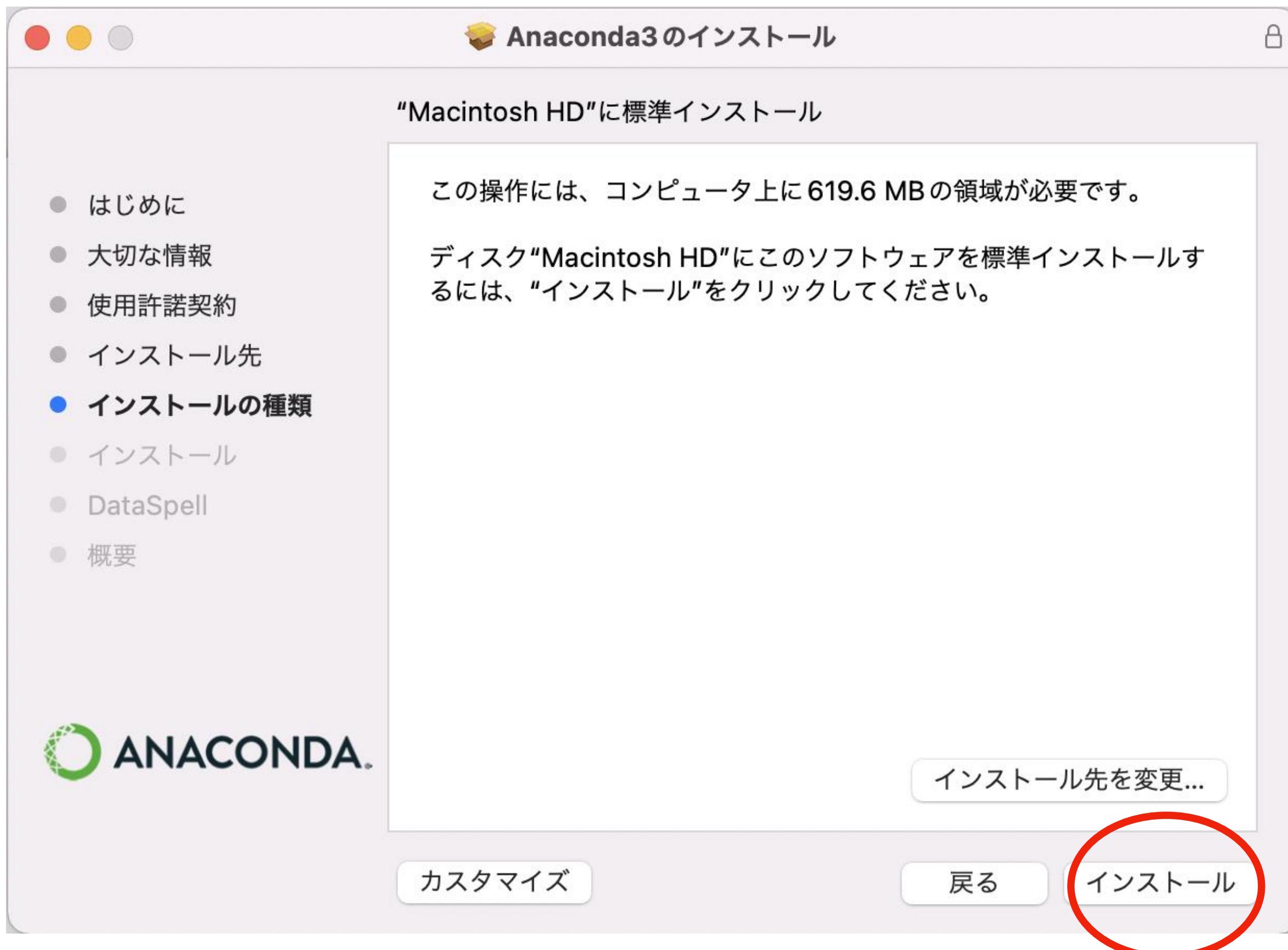
続けるをクリックします



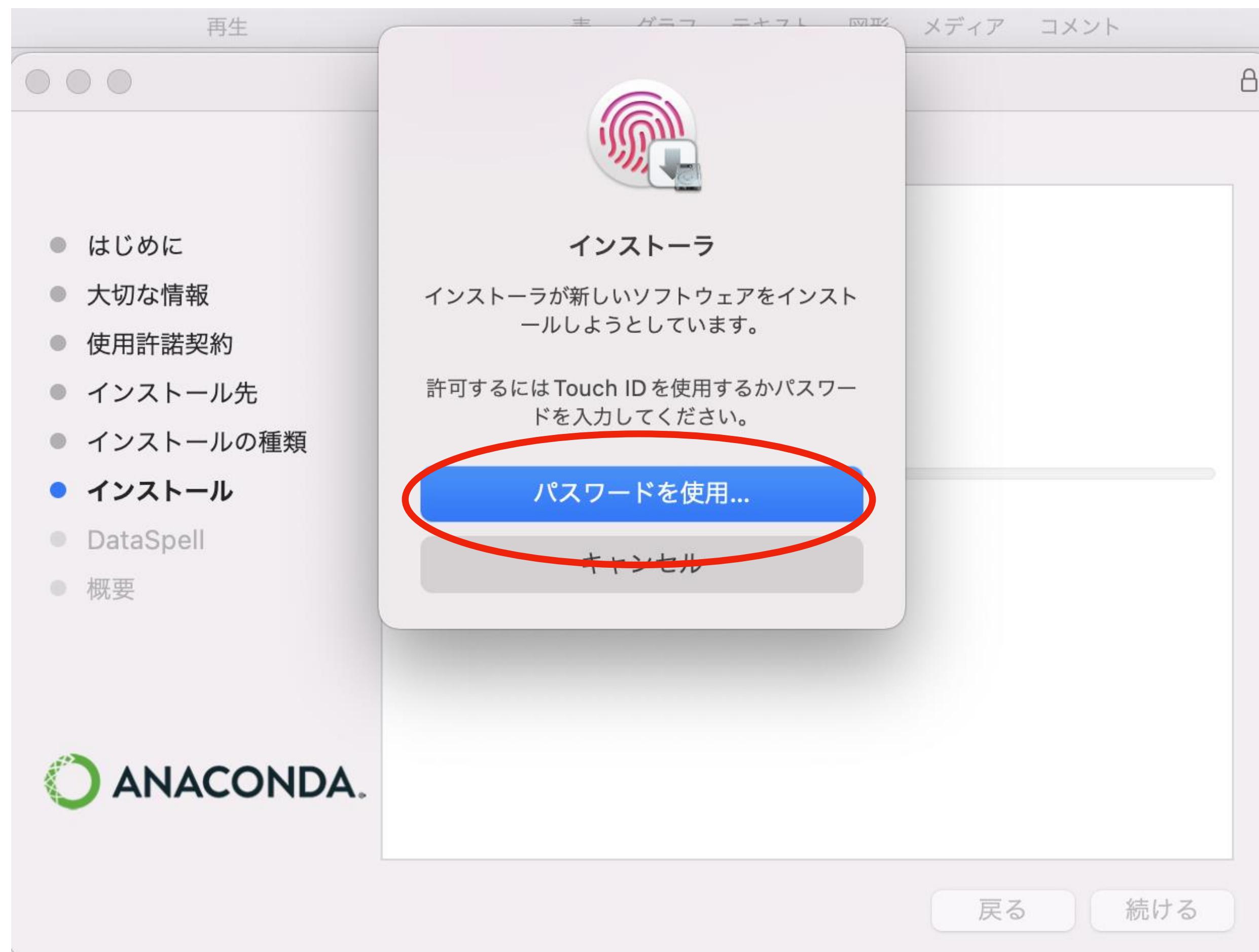
同意する、をクリックします



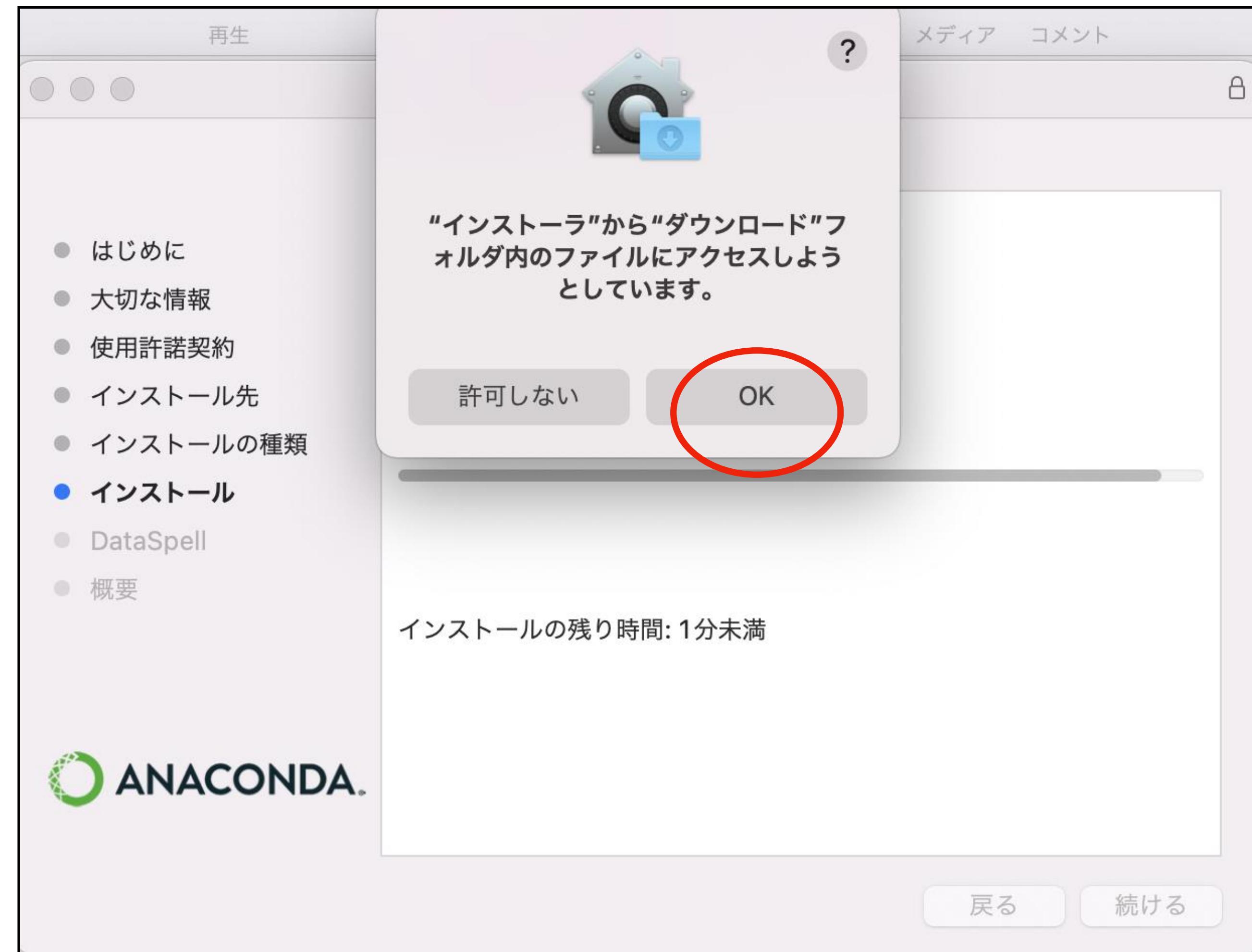
インストール、をクリックします



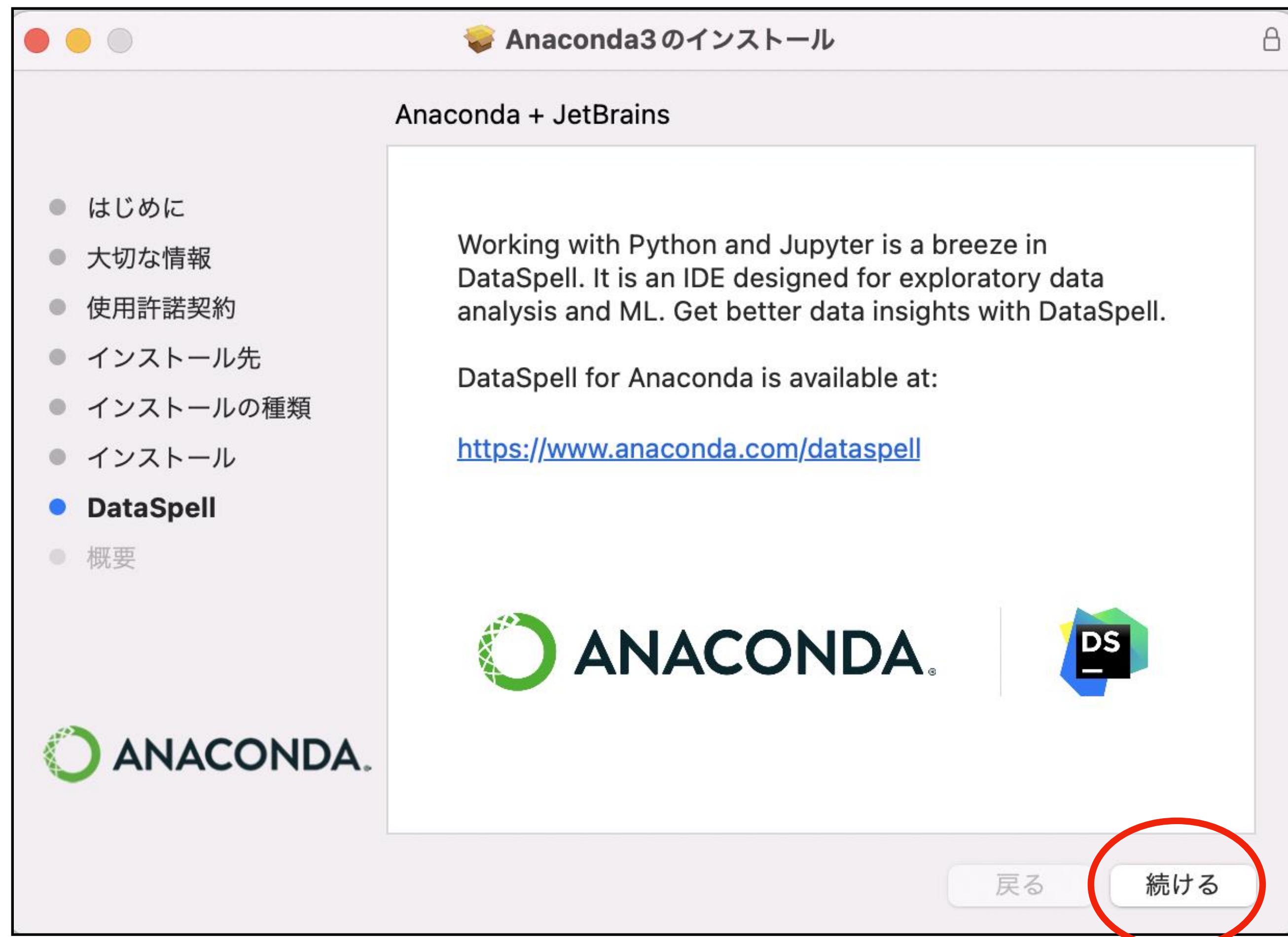
パスワードもしくはTouch IDをクリックします



OK、をクリックします



続けるをクリックします



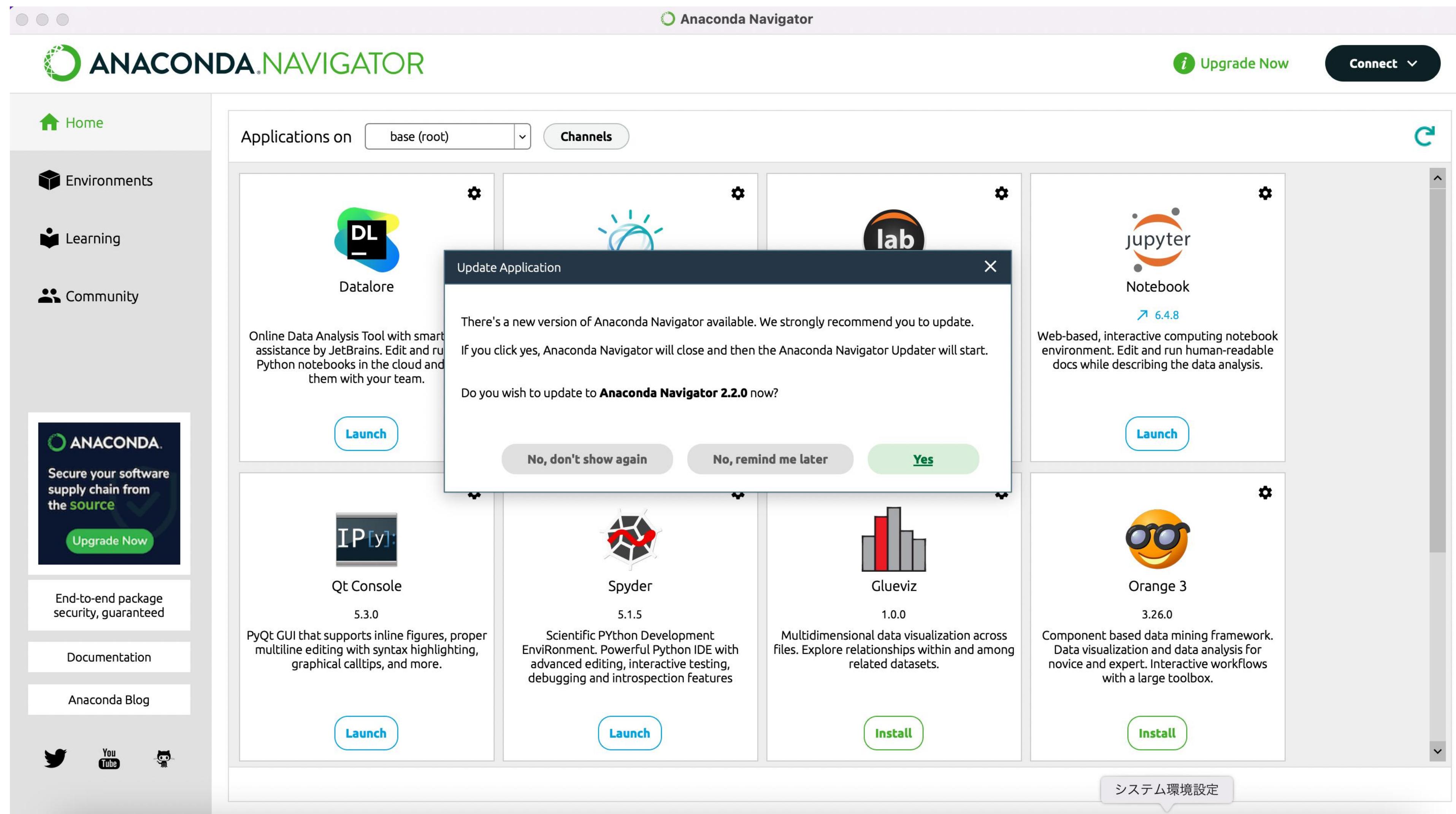
閉じる、をクリックします



Launchpadの中にAnaconda-Navigatorが出来るのでクリックします



スタート画面 (中央のメッセージはとりあえずNo,remind me laterを選んでおきましょう)



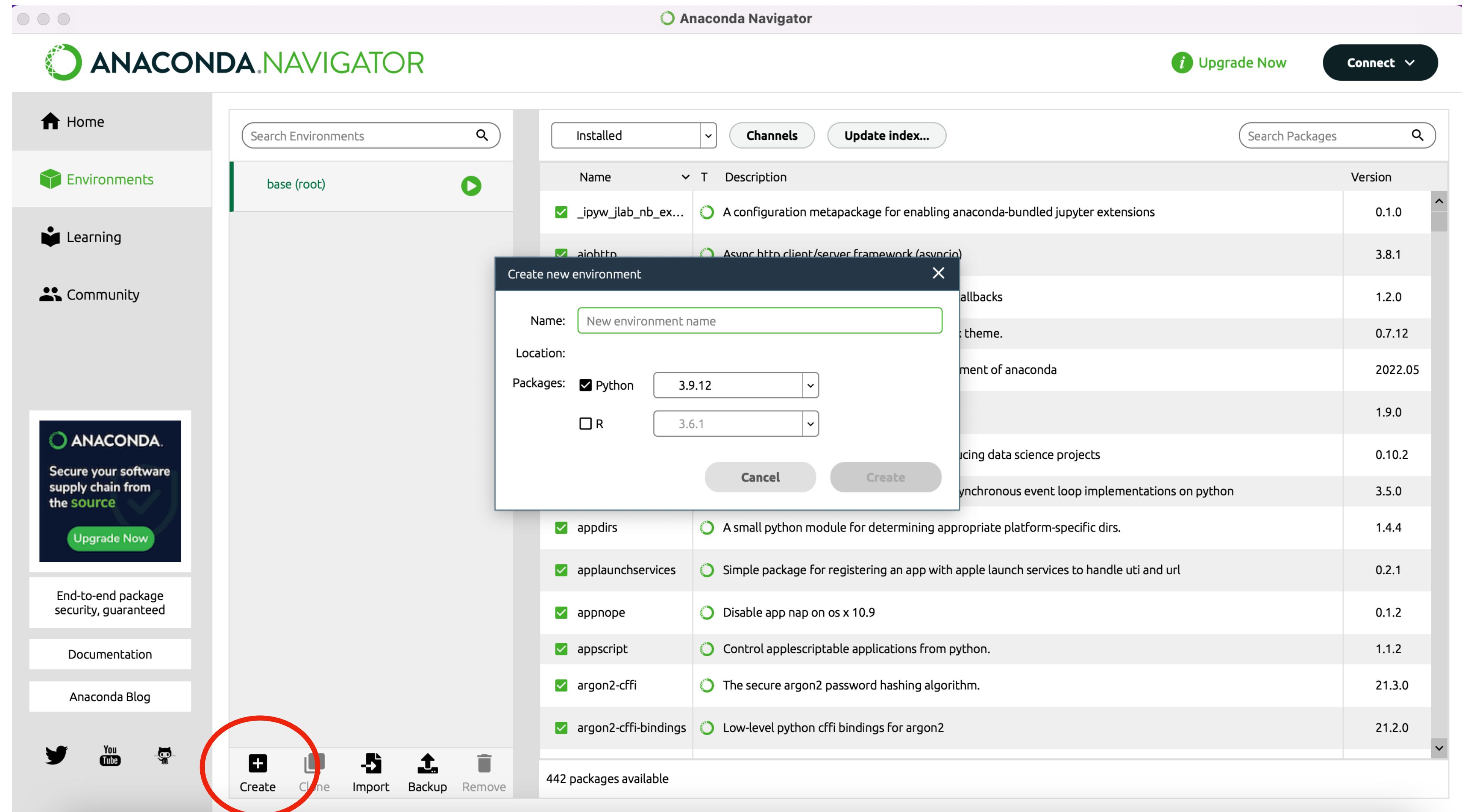
Environmentsをクリックします

The screenshot shows the Anaconda Navigator interface. On the left, there's a sidebar with icons for Home, Environments (which is circled in red), Learning, Community, and a central advertisement for ANACONDA. Below the ad are links for End-to-end package security, Documentation, and the Anaconda Blog, along with social media links for Twitter, YouTube, and GitHub. The main area is titled 'base (root)' and contains a search bar for environments. At the top right are buttons for 'Upgrade Now' and 'Connect'. The main content area displays a table of installed packages with columns for Name, Description, and Version. The table includes packages like _ipyw_jlab_nb_ex..., aiohttp, aiosignal, alabaster, anaconda, anaconda-client, anaconda-project, anyio, appdirs, applaunchservices, appnope, appscript, argon2-cffi, and argon2-cffi-bindings. A message at the bottom states '442 packages available'.

Name	Description	Version
_ipyw_jlab_nb_ex...	A configuration metapackage for enabling anaconda-bundled jupyter extensions	0.1.0
aiohttp	Async http client/server framework (asyncio)	3.8.1
aiosignal	Aiosignal: a list of registered asynchronous callbacks	1.2.0
alabaster	Configurable, python 2+3 compatible sphinx theme.	0.7.12
anaconda	Simplifies package management and deployment of anaconda	2022.05
anaconda-client	Anaconda cloud command line client library	1.9.0
anaconda-project	Tool for encapsulating, running, and reproducing data science projects	0.10.2
anyio	High level compatibility layer for multiple asynchronous event loop implementations on python	3.5.0
appdirs	A small python module for determining appropriate platform-specific dirs.	1.4.4
applaunchservices	Simple package for registering an app with apple launch services to handle uti and url	0.2.1
appnope	Disable app nap on os x 10.9	0.1.2
appscript	Control applescriptable applications from python.	1.1.2
argon2-cffi	The secure argon2 password hashing algorithm.	21.3.0
argon2-cffi-bindings	Low-level python cffi bindings for argon2	21.2.0

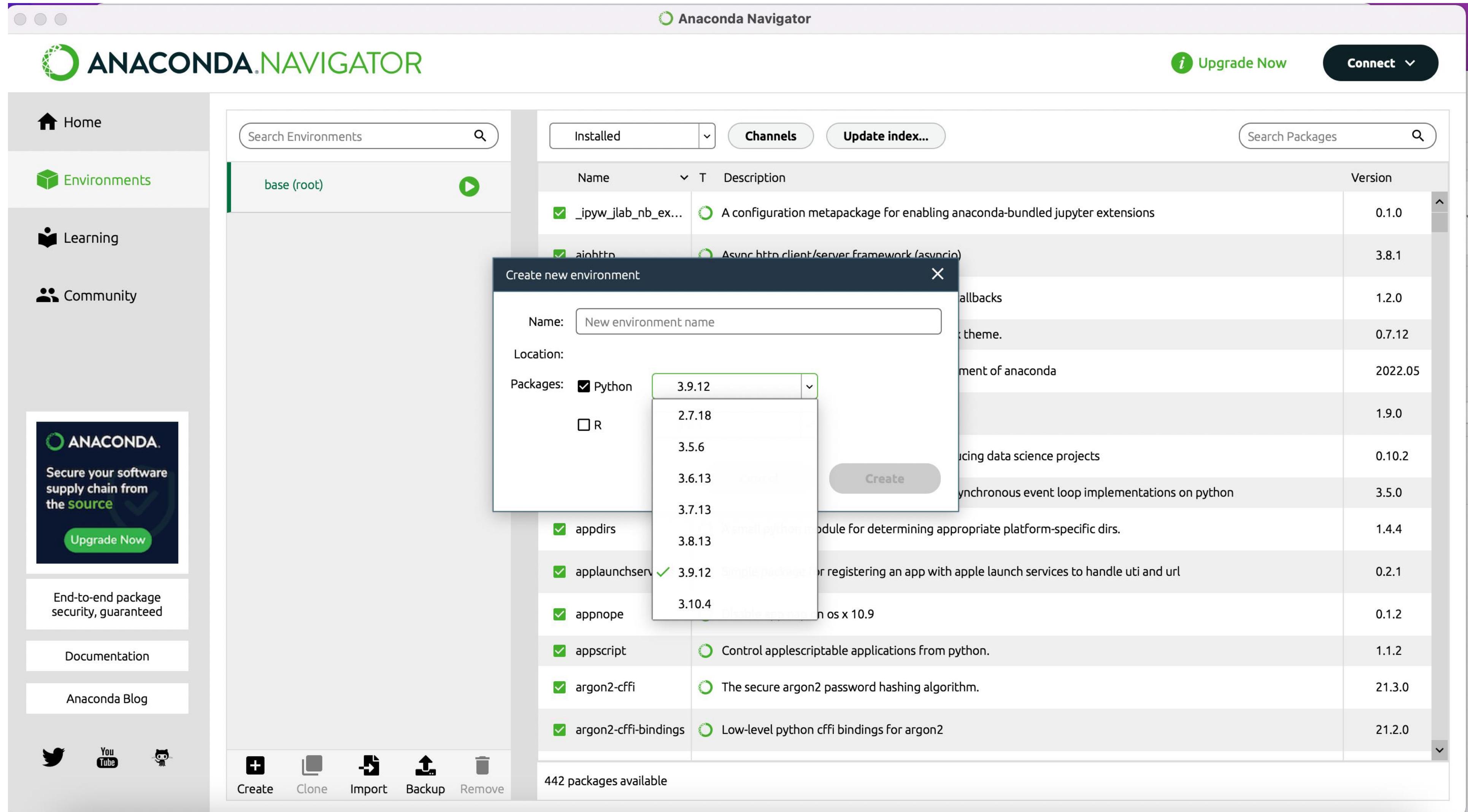
すると仮想環境の一覧が出てきます(最初はbase(root)のみ)

Create、をクリックします



中央に設定画面が出てきます

Pythonは3.7.~を選びます



名前はなんでもいいですが、iryōAIと書いておきます

The screenshot shows the Anaconda Navigator interface. On the left, there's a sidebar with icons for Home, Environments, Learning, and Community. A prominent banner in the sidebar reads "Secure your software supply chain from the source" with a "Upgrade Now" button. Below the banner are links for End-to-end package security, guaranteed, Documentation, and Anaconda Blog, along with social media links for Twitter, YouTube, and GitHub.

The main area is titled "Anaconda Navigator" and shows a list of installed packages under the "base (root)" environment. The list includes packages like _ipyw_jlab_nb_ex..., aiohttp, appdirs, applaunchservices, appnope, appscript, argon2-cffi, and argon2-cffi-bindings, each with a brief description and version number.

A modal dialog box is open in the center, titled "Create new environment". It contains fields for "Name" (set to "iryōAI"), "Location" (set to "/opt/anaconda3/envs/iryōAI"), and "Packages". Under "Packages", there are dropdown menus for "Python" (set to "3.7.13") and "R" (set to "3.6.1"). At the bottom of the modal are "Cancel" and "Create" buttons. The "Create" button is highlighted with a green background.

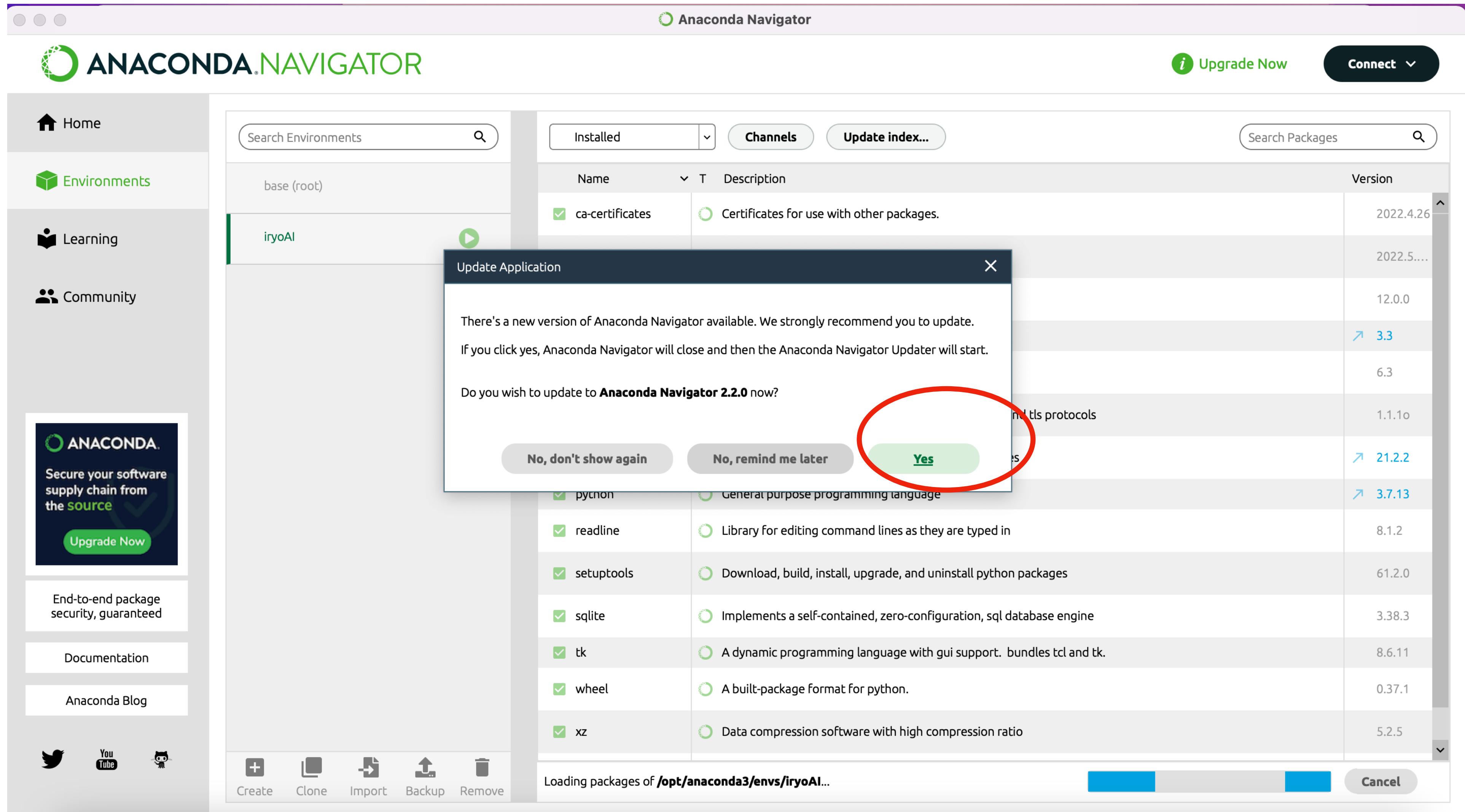
iryoAIの仮想環境が出来ました

The screenshot shows the Anaconda Navigator interface. On the left, there's a sidebar with icons for Home, Environments, Learning, and Community. A prominent advertisement for 'Secure your software supply chain from the source' with a 'Upgrade Now' button is also visible. The main area displays the 'base (root)' environment, which contains the 'iryoAI' environment, highlighted with a red oval. The 'iryoAI' environment has a green play button icon next to it. The right side of the screen shows a list of installed packages:

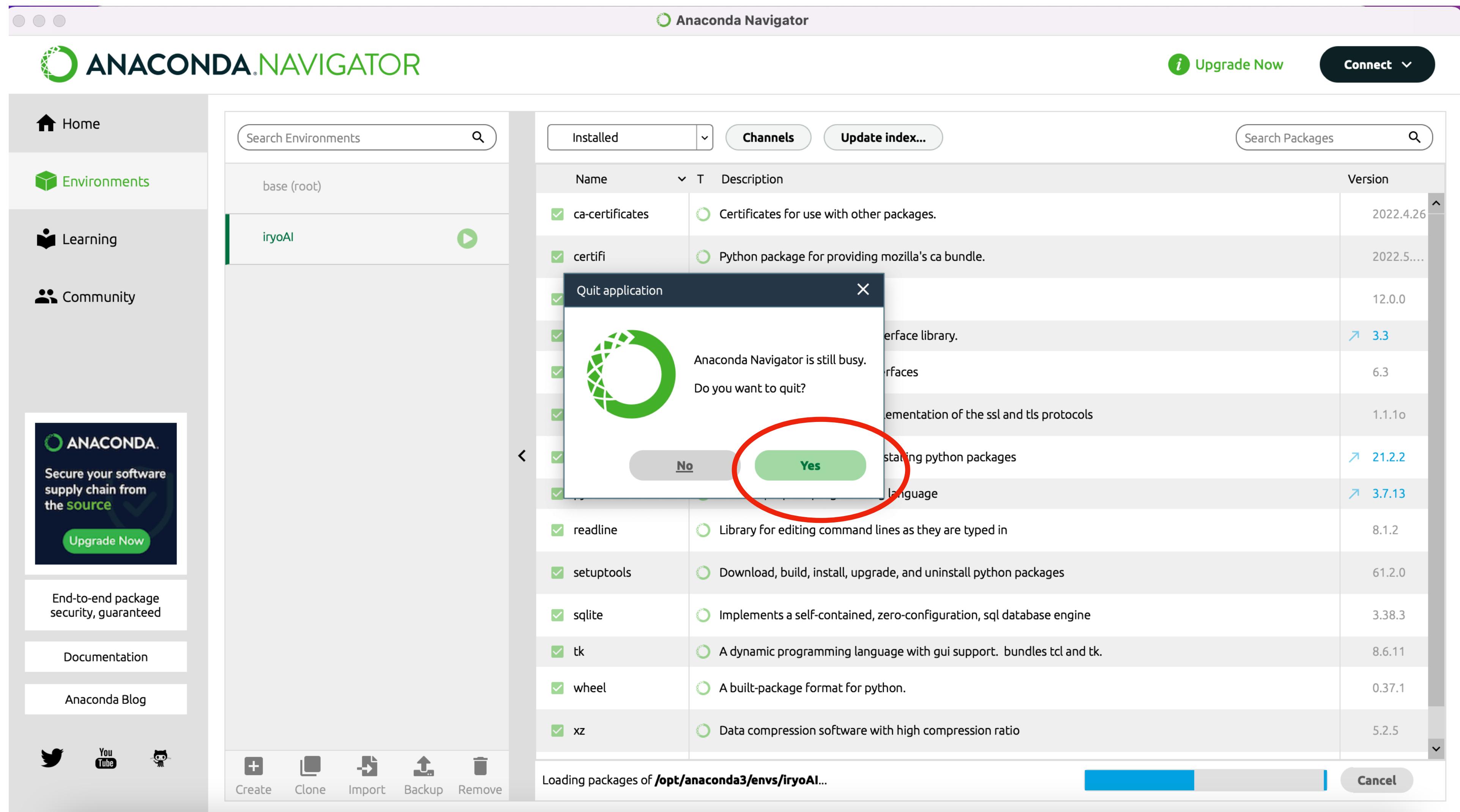
Name	Description	Version
ca-certificates	Certificates for use with other packages.	2022.4.26
certifi	Python package for providing mozilla's ca bundle.	2022.5....
libcxx	Llvm c++ standard library	12.0.0
libffi	A portable foreign function interface library.	3.3
ncurses	Library for text-based user interfaces	6.3
openssl	Openssl is an open-source implementation of the ssl and tls protocols	1.1.1o
pip	Pypa recommended tool for installing python packages	21.2.2
python	General purpose programming language	3.7.13
readline	Library for editing command lines as they are typed in	8.1.2
setuptools	Download, build, install, upgrade, and uninstall python packages	61.2.0
sqlite	Implements a self-contained, zero-configuration, sql database engine	3.38.3
tk	A dynamic programming language with gui support. bundles tcl and tk.	8.6.11
wheel	A built-package format for python.	0.37.1
xz	Data compression software with high compression ratio	5.2.5

At the bottom, it says '15 packages available'. The top right of the screen has buttons for 'Upgrade Now', 'Connect', and a search bar for packages.

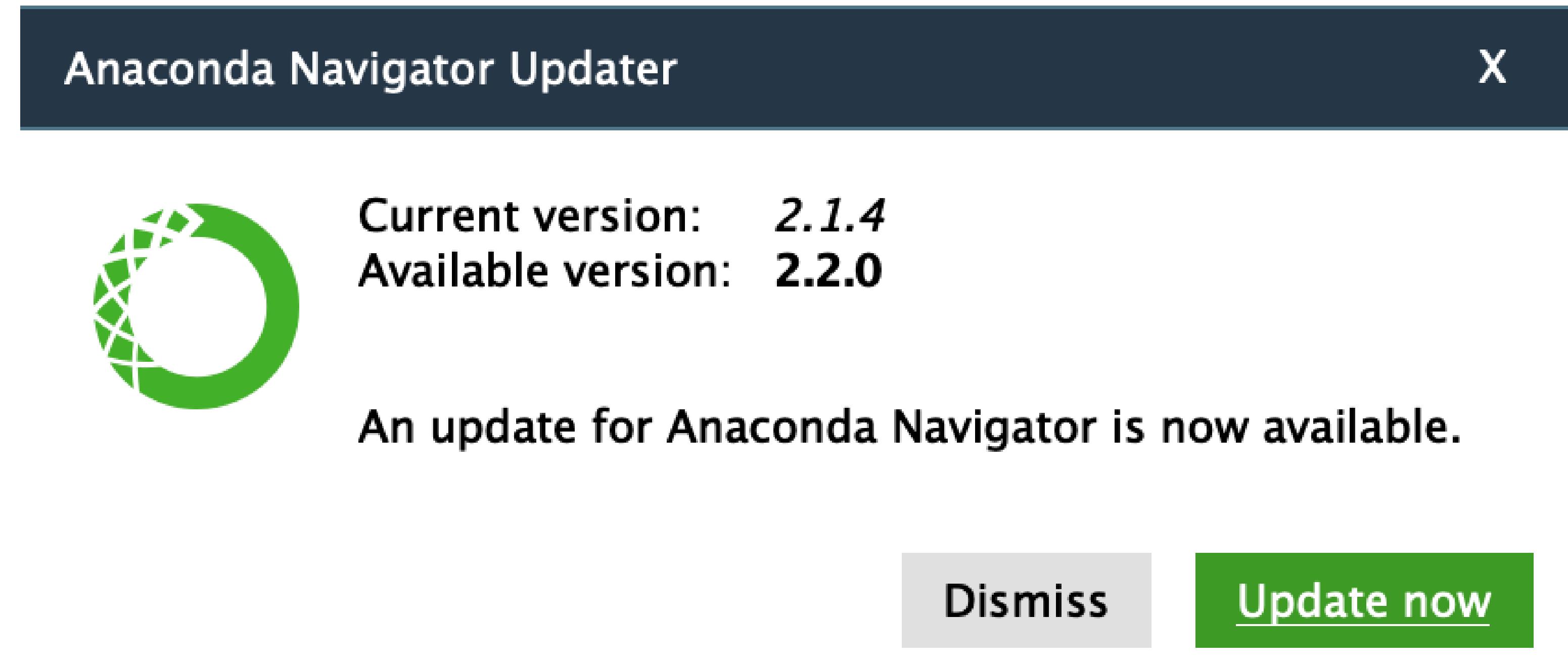
(補足)もしUpdateでYesを選んだ場合



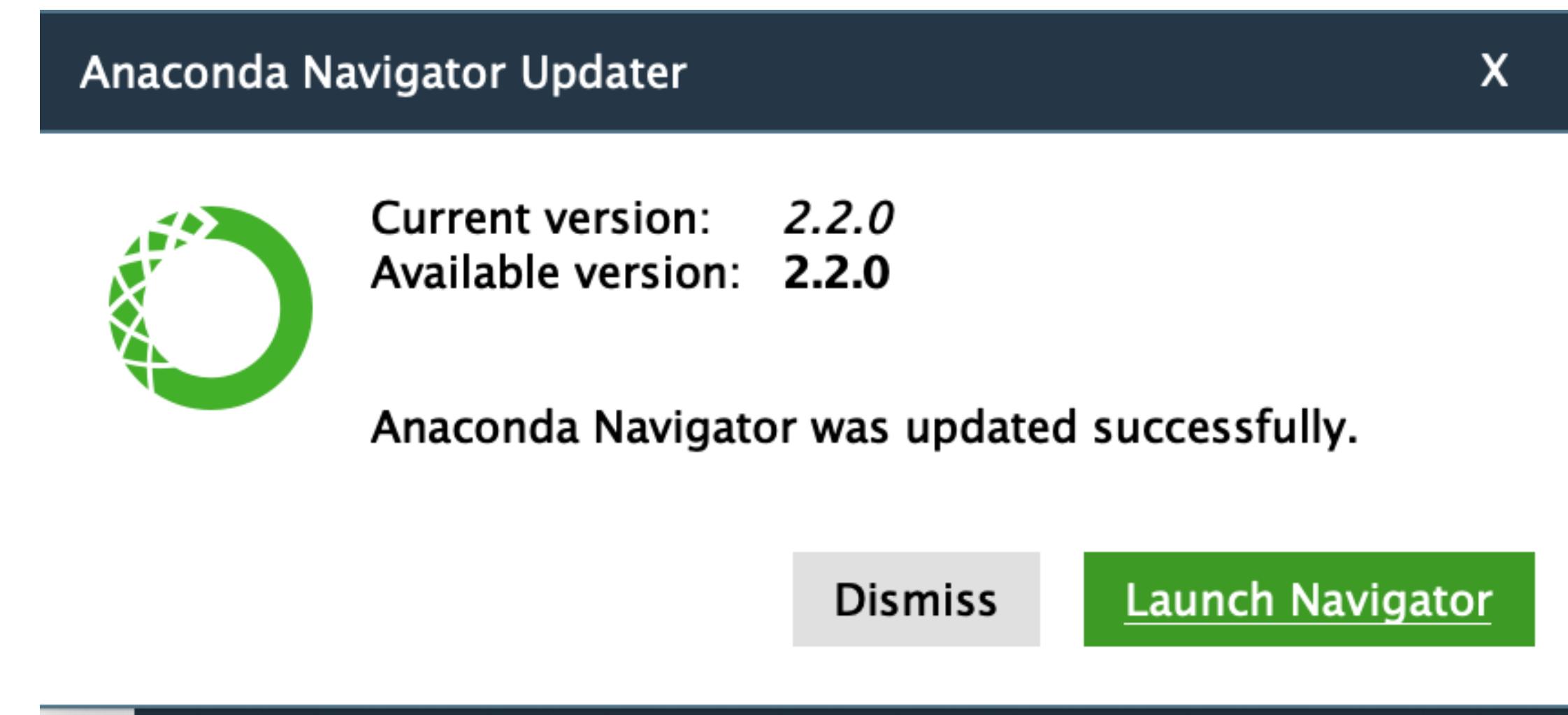
(補足)Yes、を選んで一度anacondaを終了します



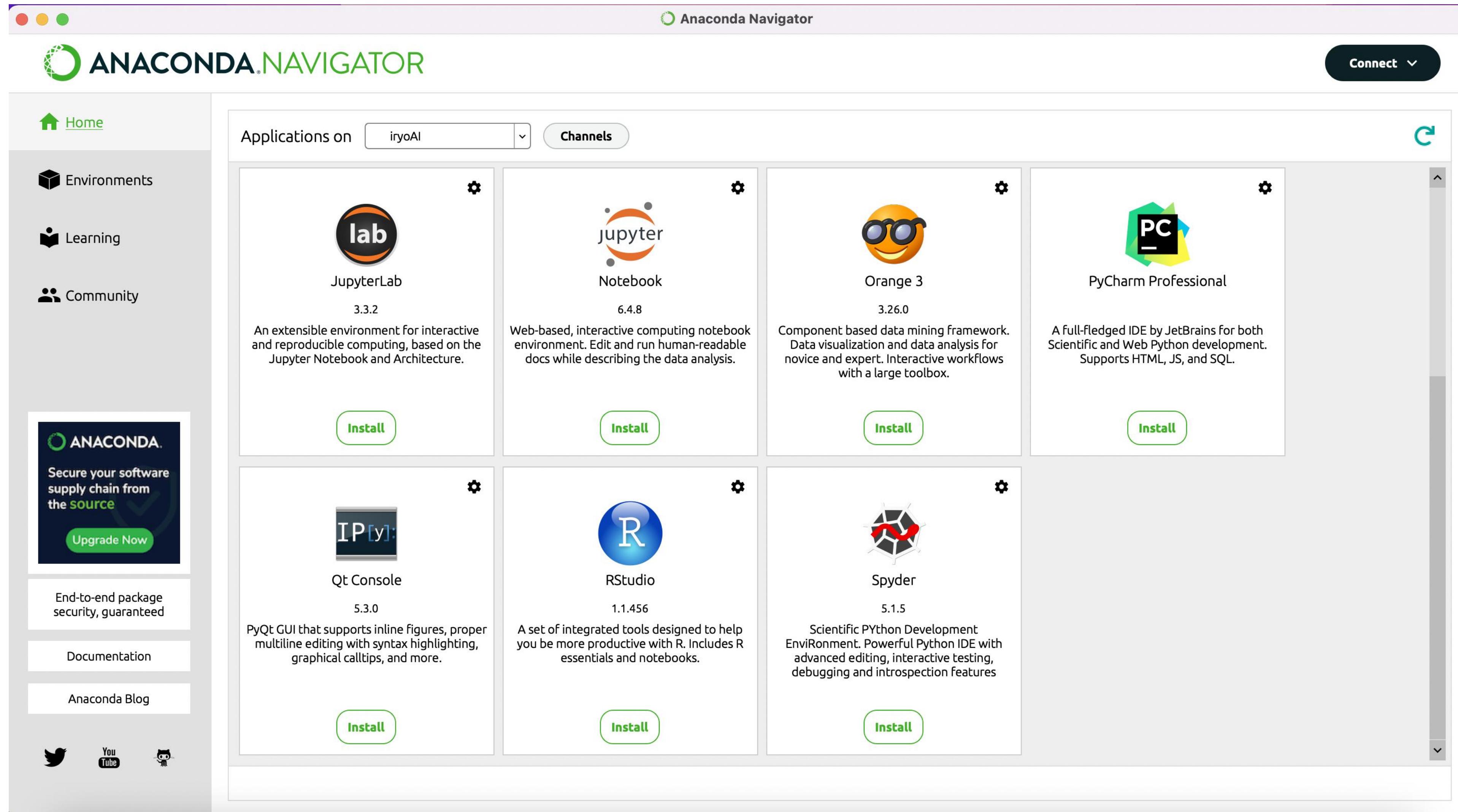
(補足)Update now、をクリックします



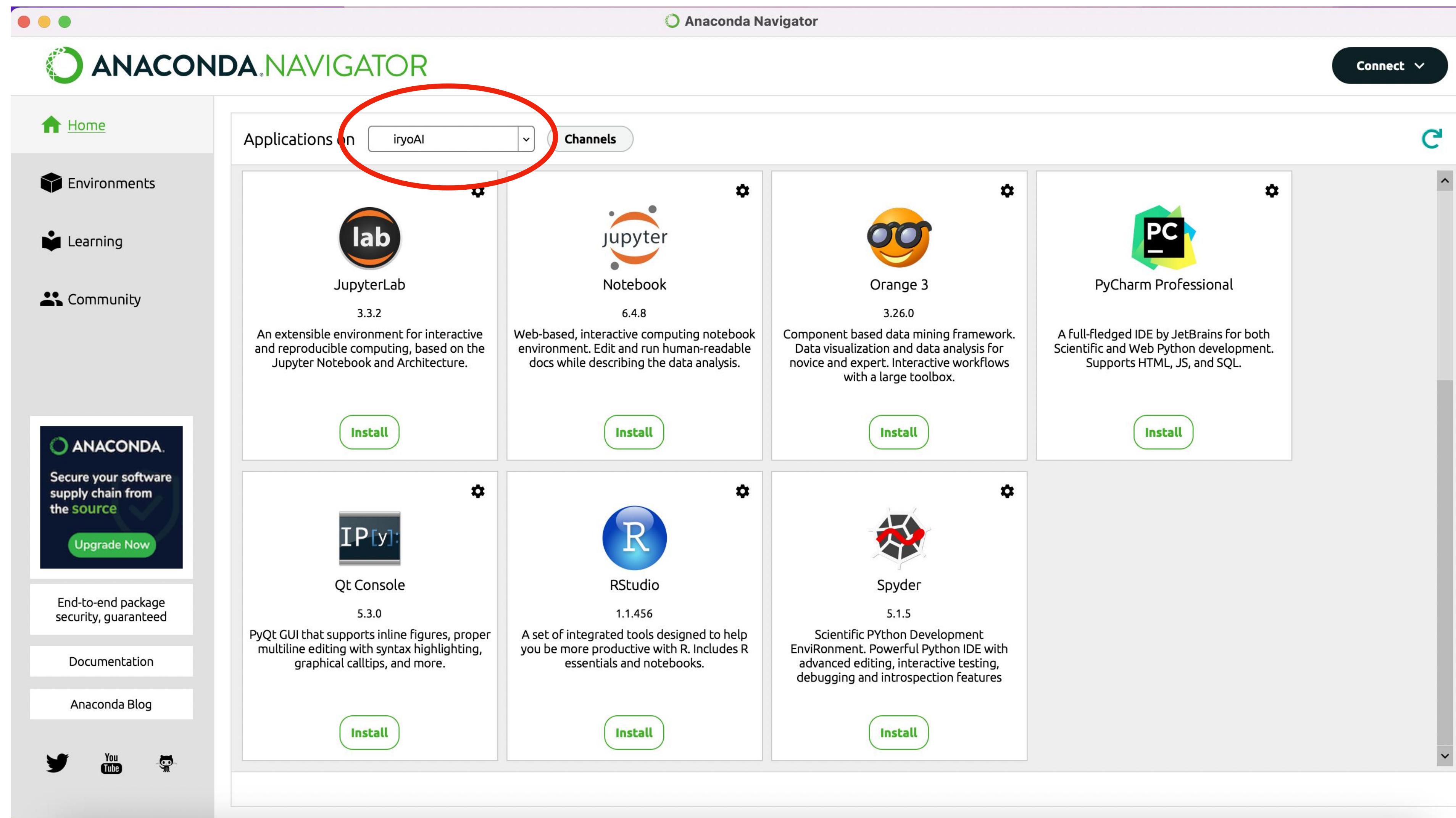
(補足)Launch Navigatorをクリックします



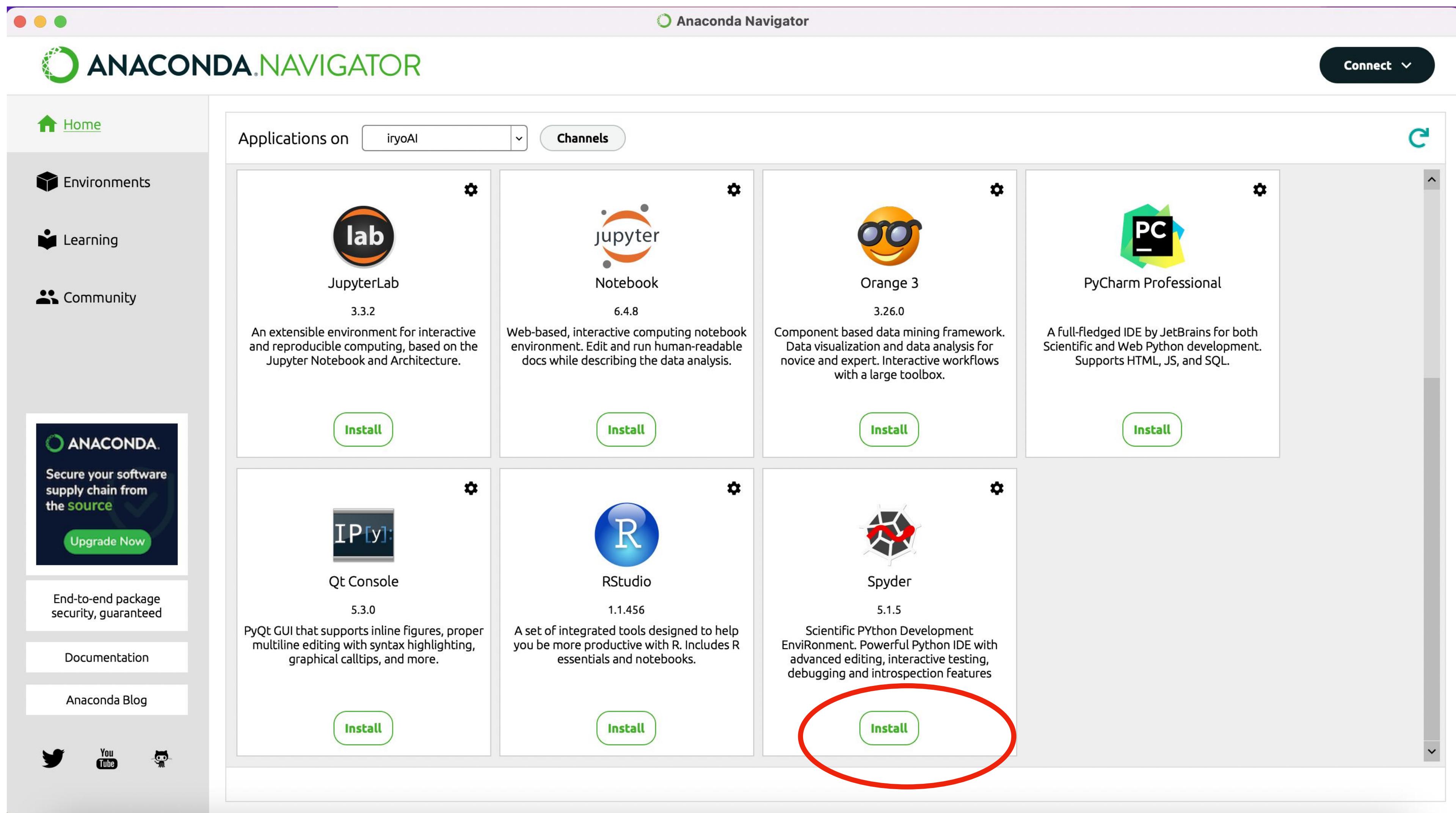
(補足)スタート画面に戻ります



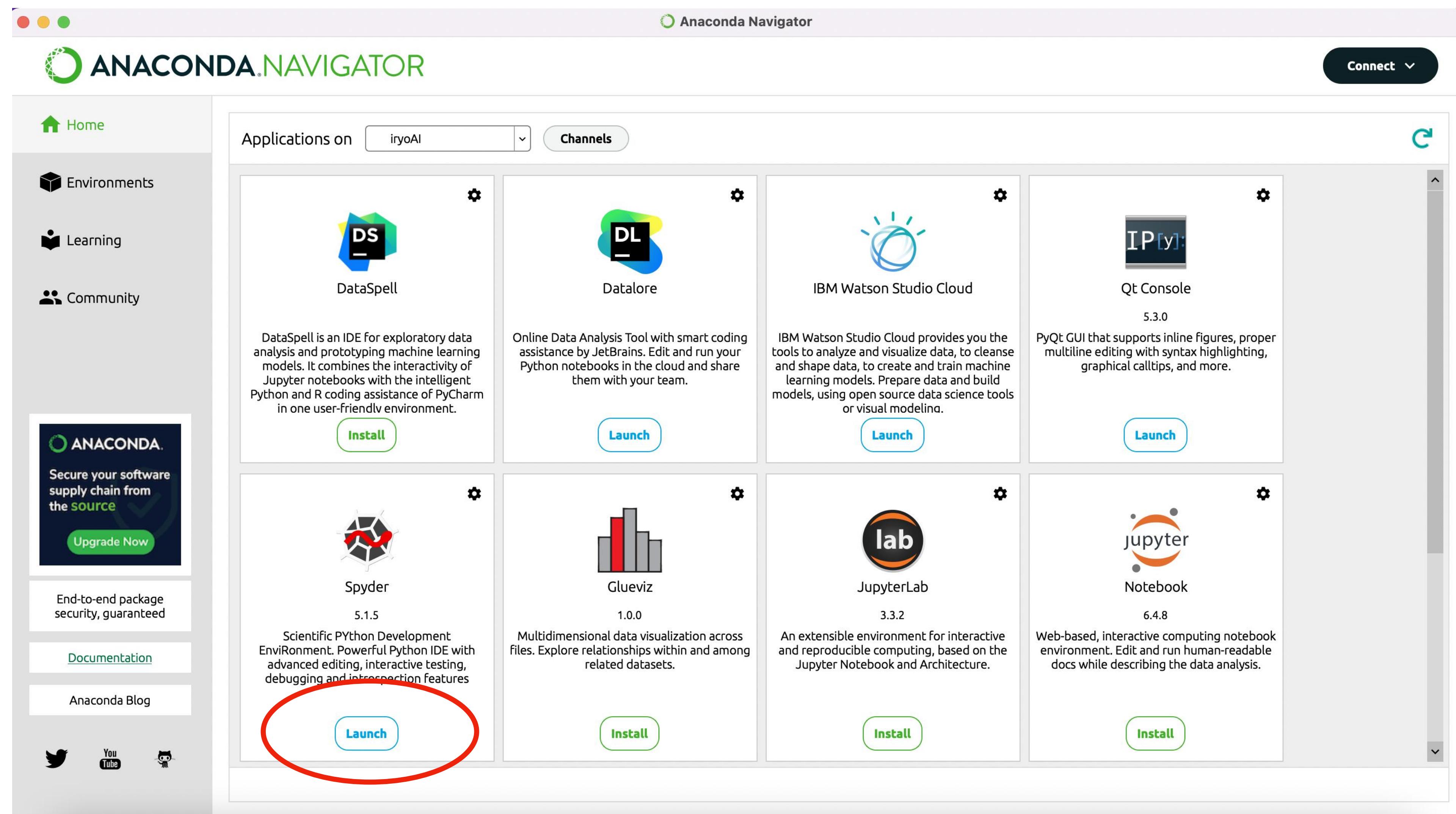
Application on で作成した仮想環境を選びます



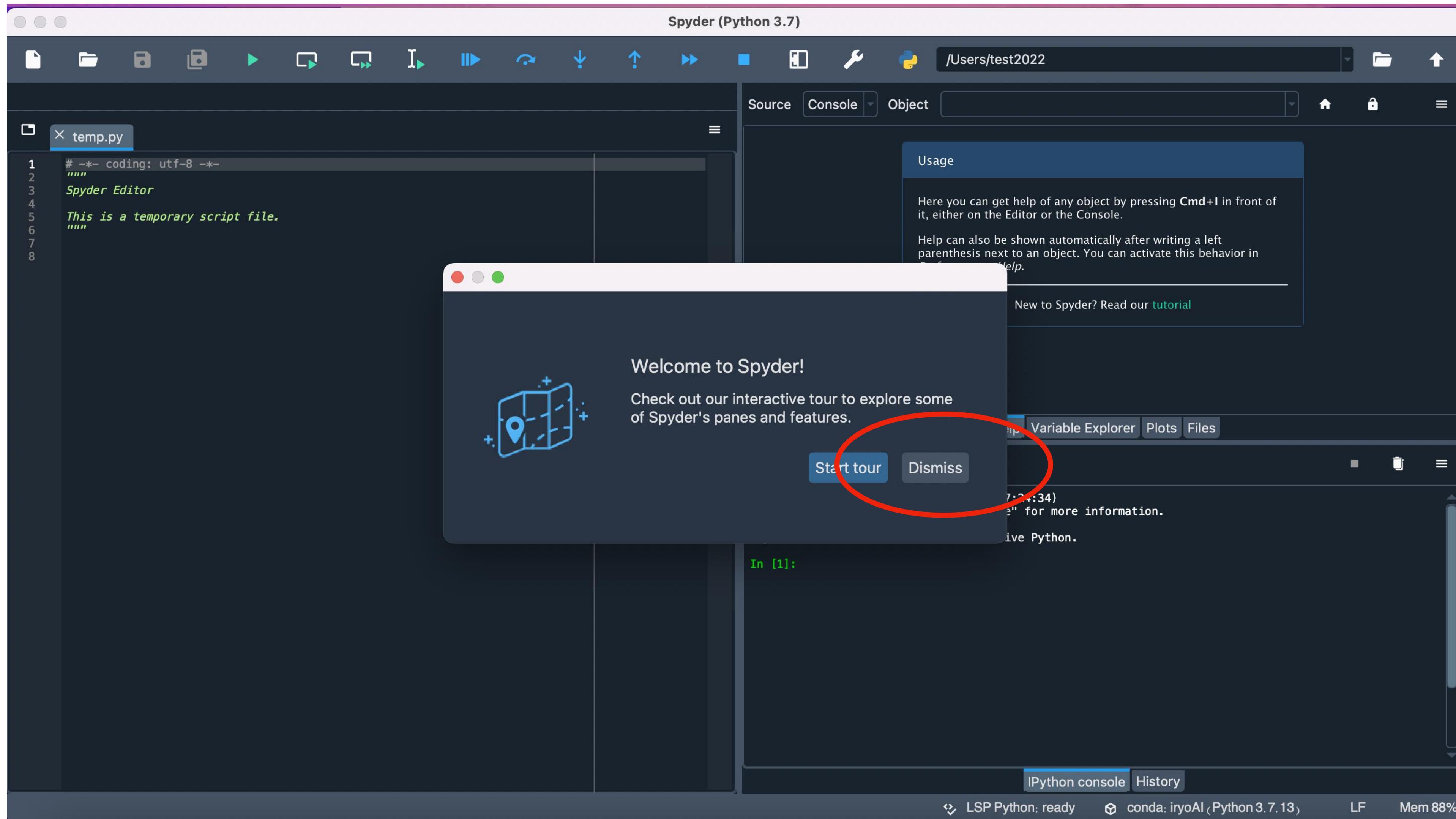
Spyderのinstallをクリックします



SpyderのLaunchをクリックします

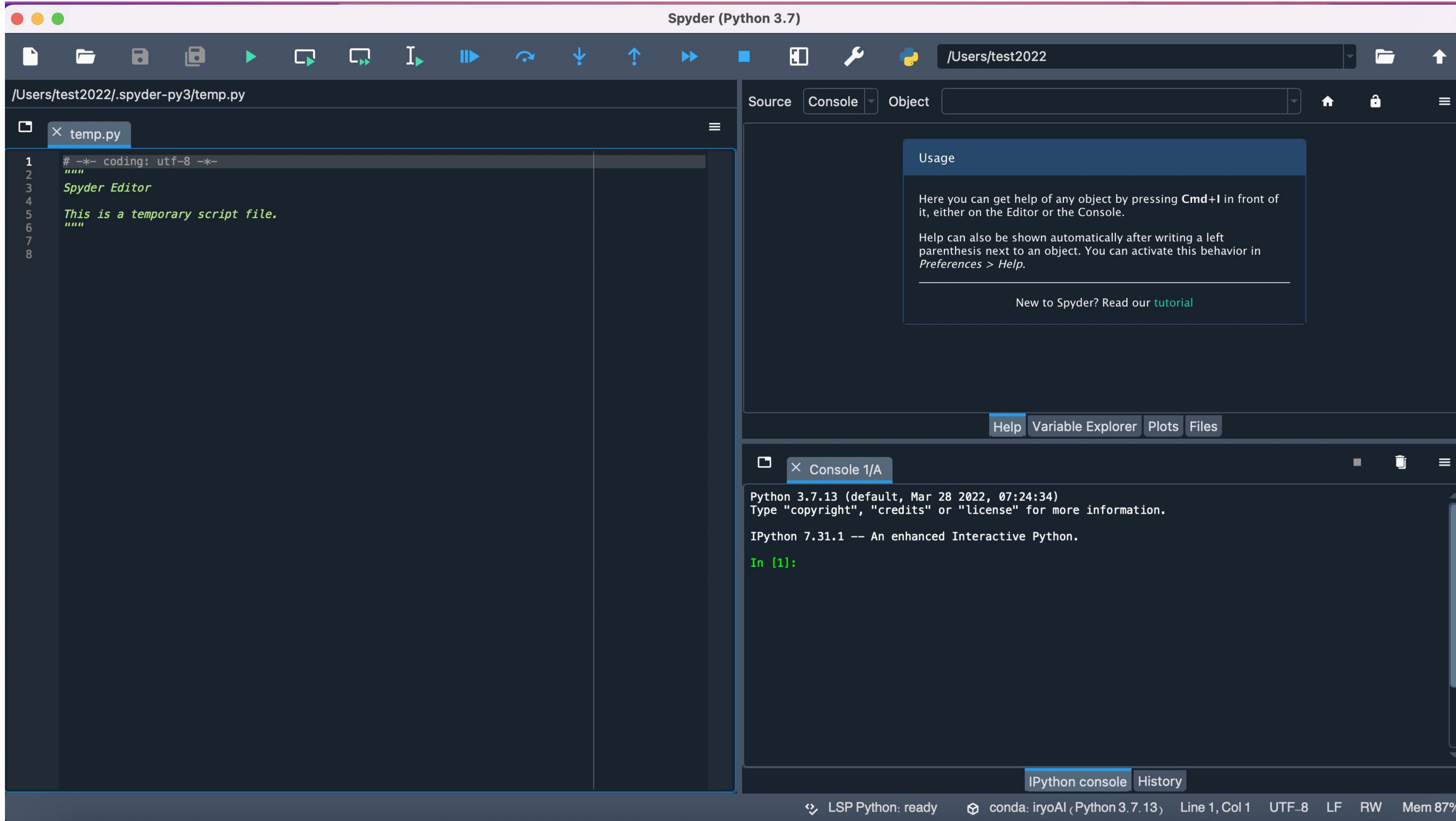


Spyderのホーム画面が表示されます



中央の表示はDismissで大丈夫です

Spyderはこれで使用できます

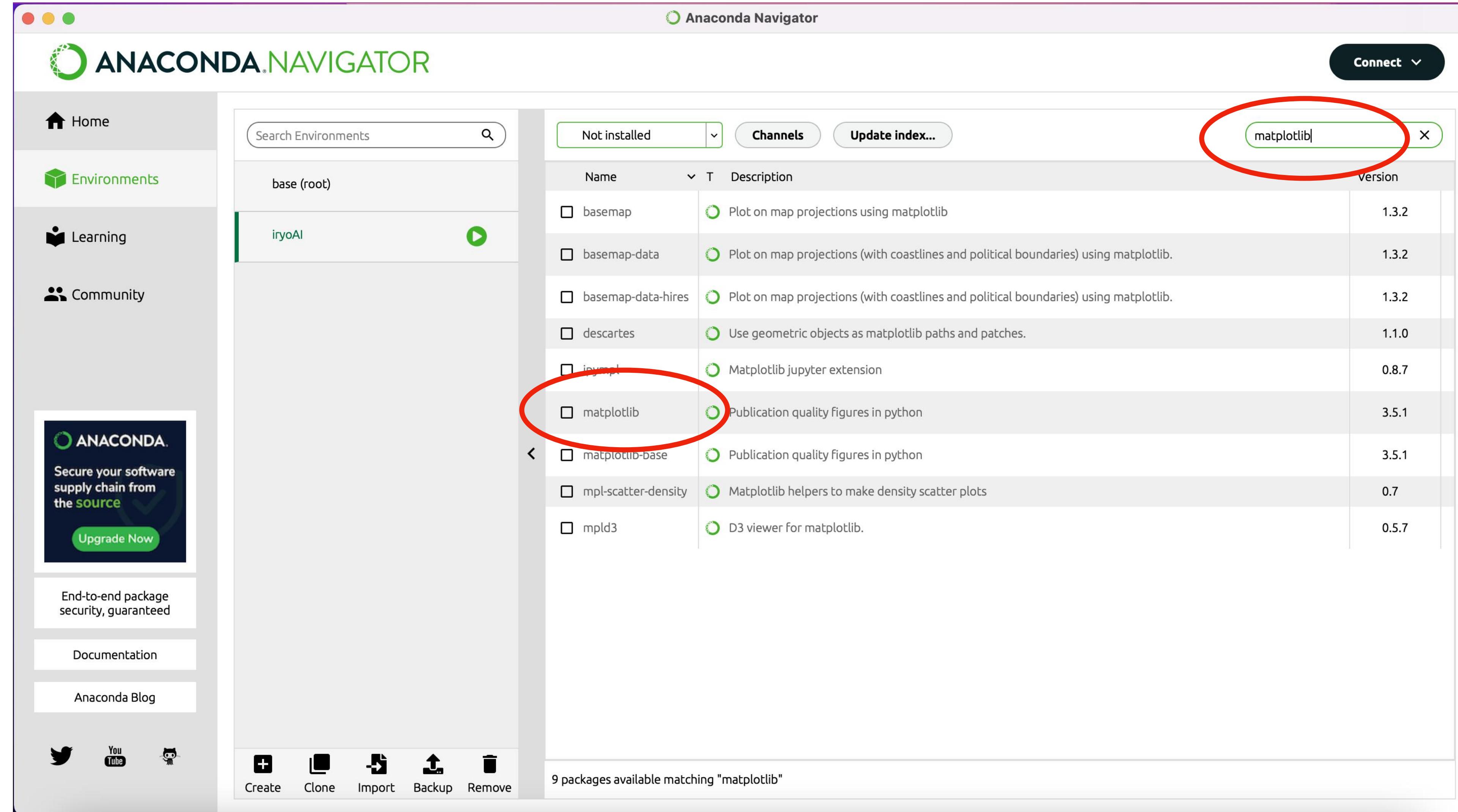


Not installed、を選びます

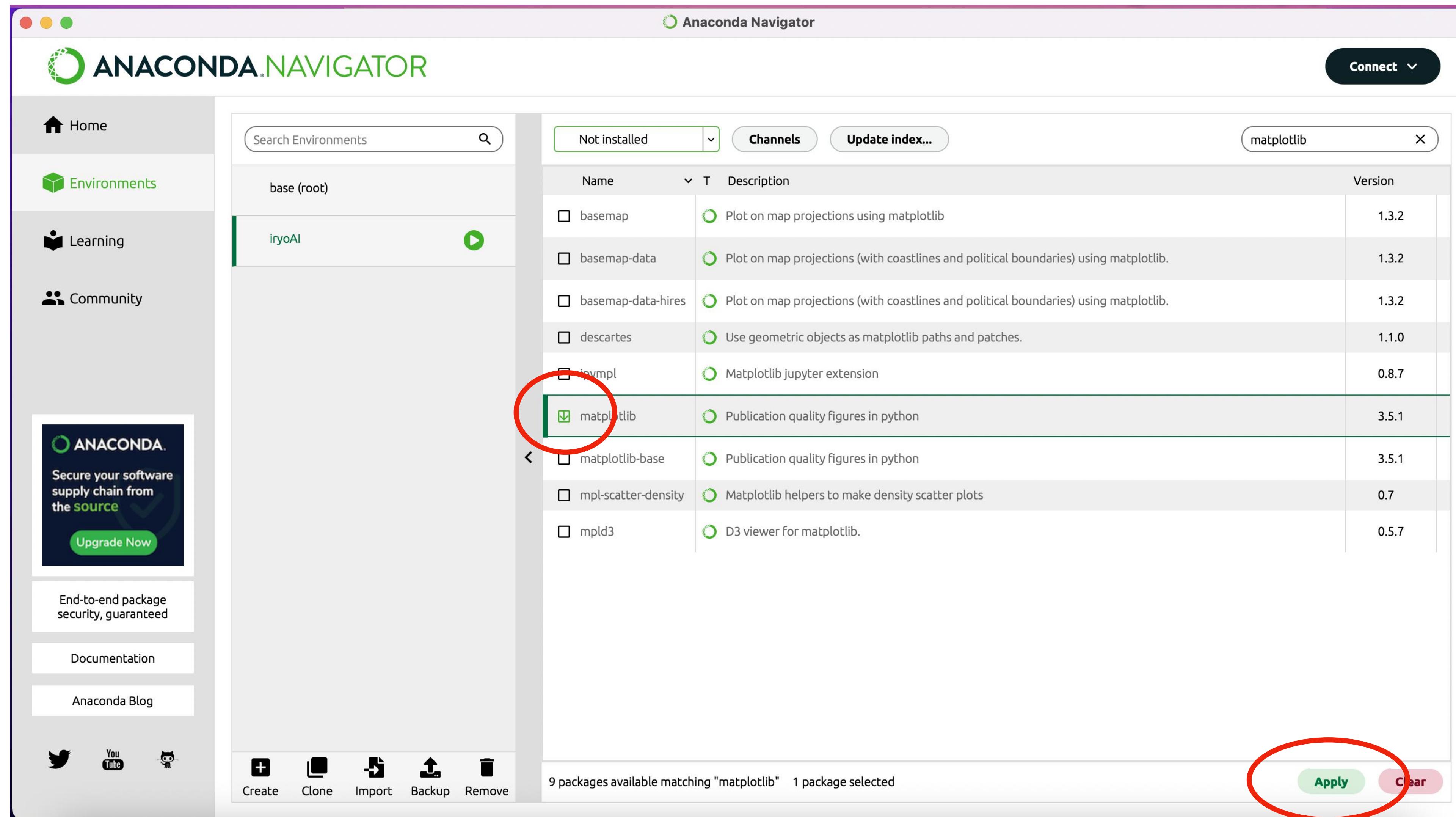
The screenshot shows the Anaconda Navigator interface. On the left, there's a sidebar with icons for Home, Environments (selected), Learning, and Community. A prominent advertisement for ANACONDA secure software supply chain is displayed. The main area shows environments: 'base (root)' and 'iryoAI'. A dropdown menu over the environment list has 'Not installed' selected, highlighted with a red circle. The main pane displays a list of packages with their descriptions and versions. The 'Not installed' row is visible in the list.

Description	Version
Configurable, python 2+3 compatible sphinx theme.	0.7.12
A small python module for determining appropriate platform-specific dirs.	1.4.4
Simple package for registering an app with apple launch services to handle uti and url	0.2.1
appnope	0.1.2
arrow	1.2.2
astroid	2.6.6
atomicwrites	1.4.0
attrs	21.4.0
autopep8	1.6.0
babel	2.9.1
backcall	0.2.0
beautifulsoup4	4.11.1
binaryornot	0.4.4
black	19.10b0

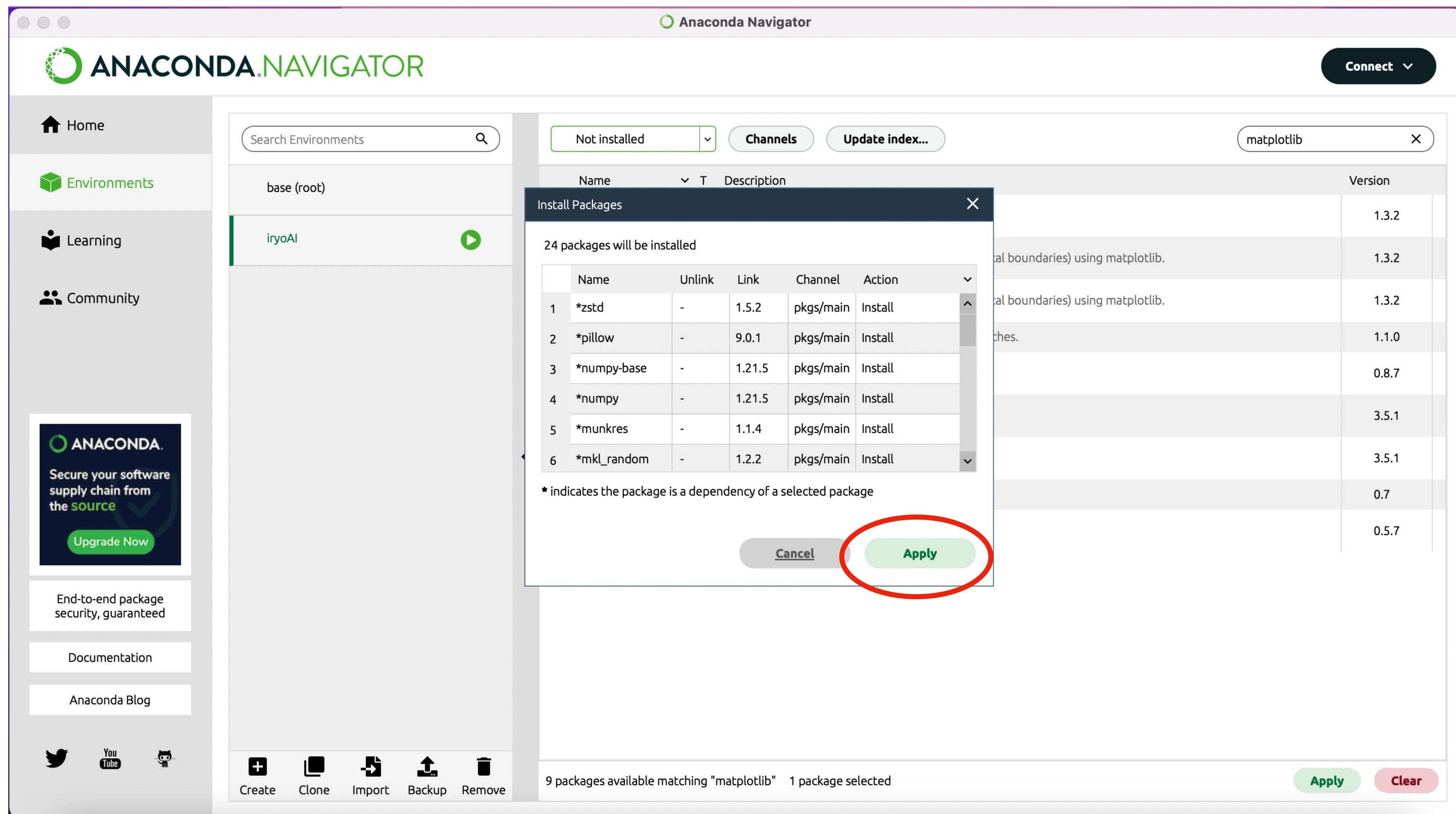
matplotlibと打ち込むとmatplotlibが表示されます



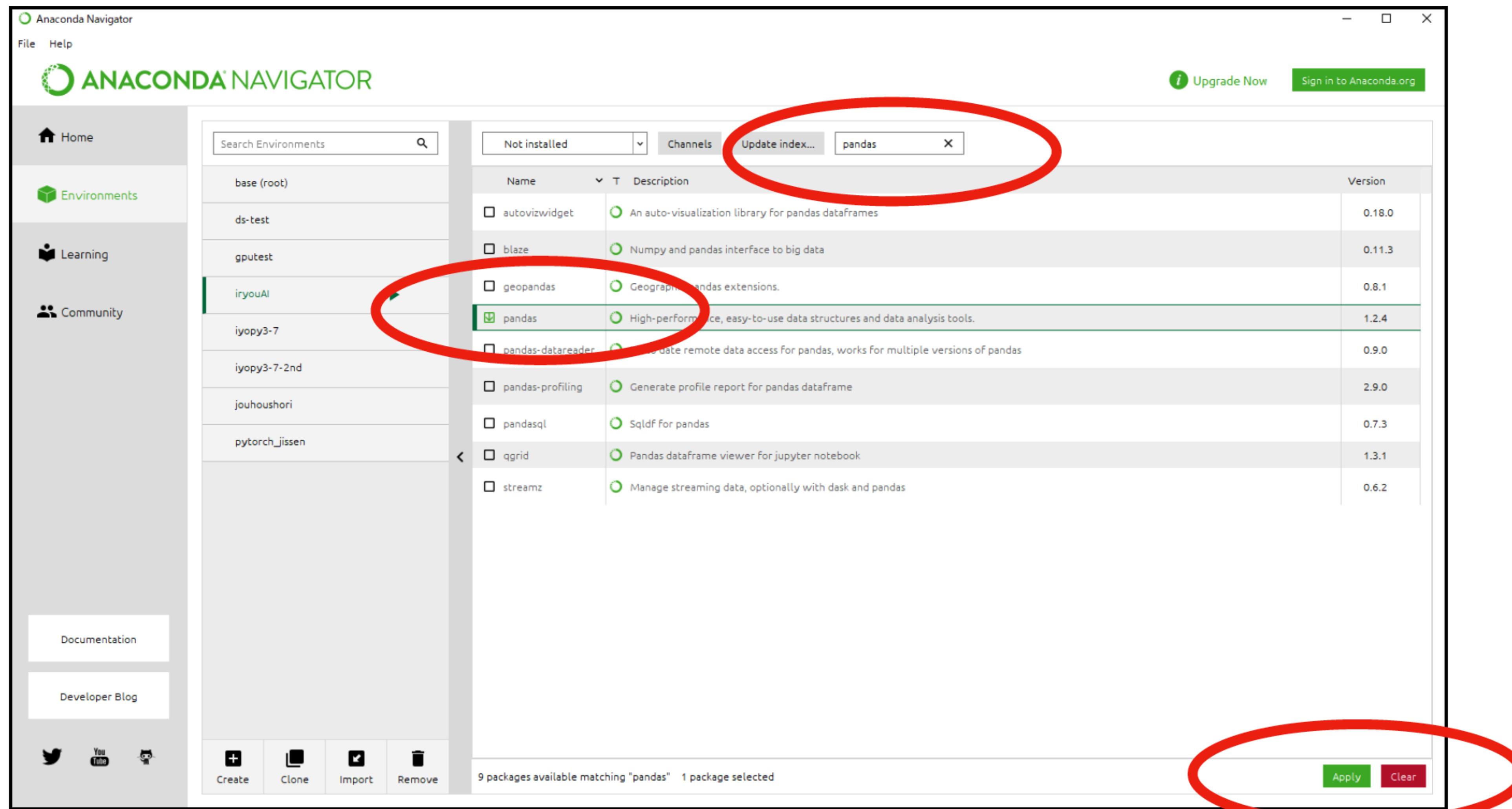
checkを入れて、Applyをクリックします



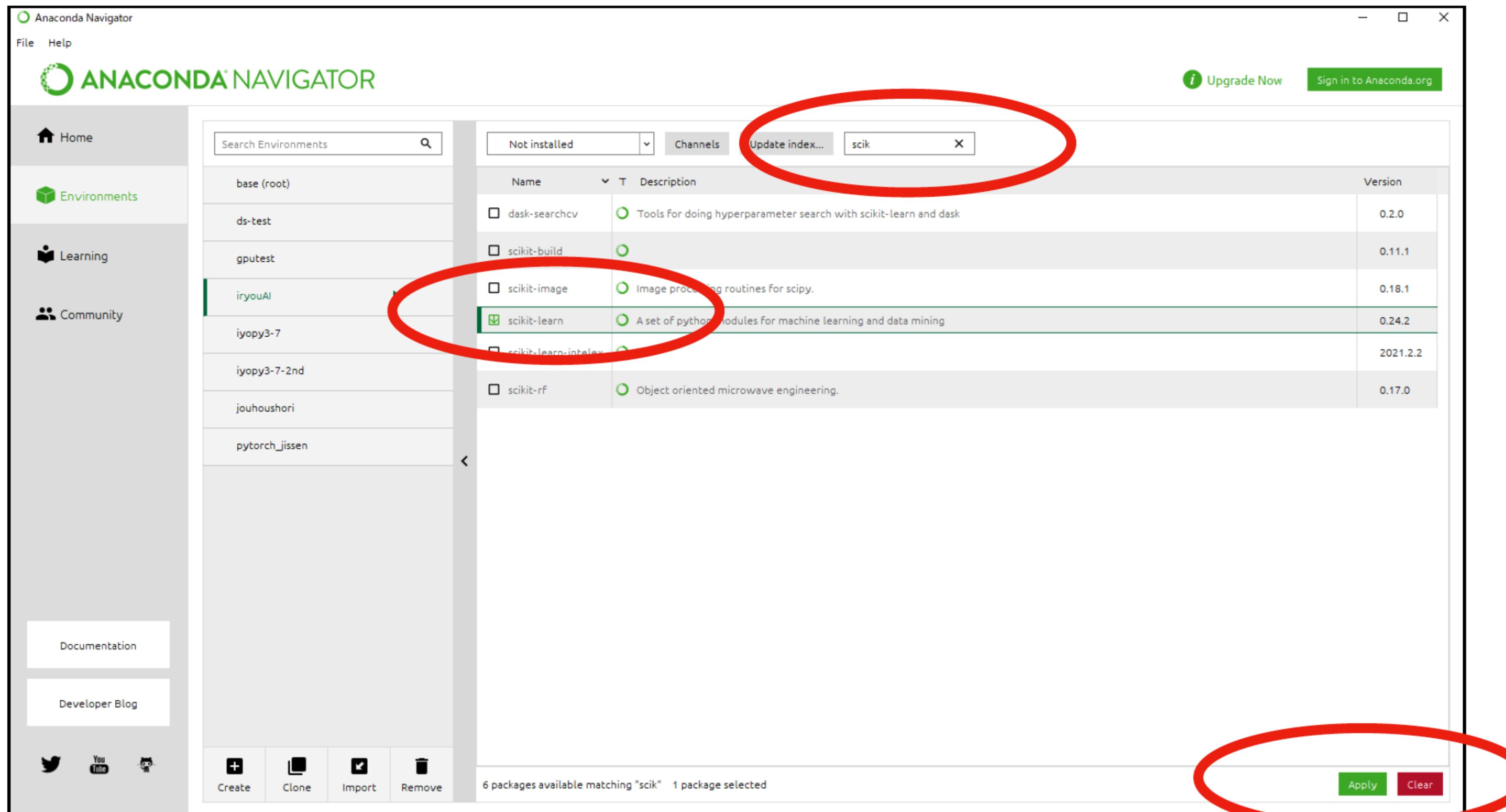
Applyをクリックします



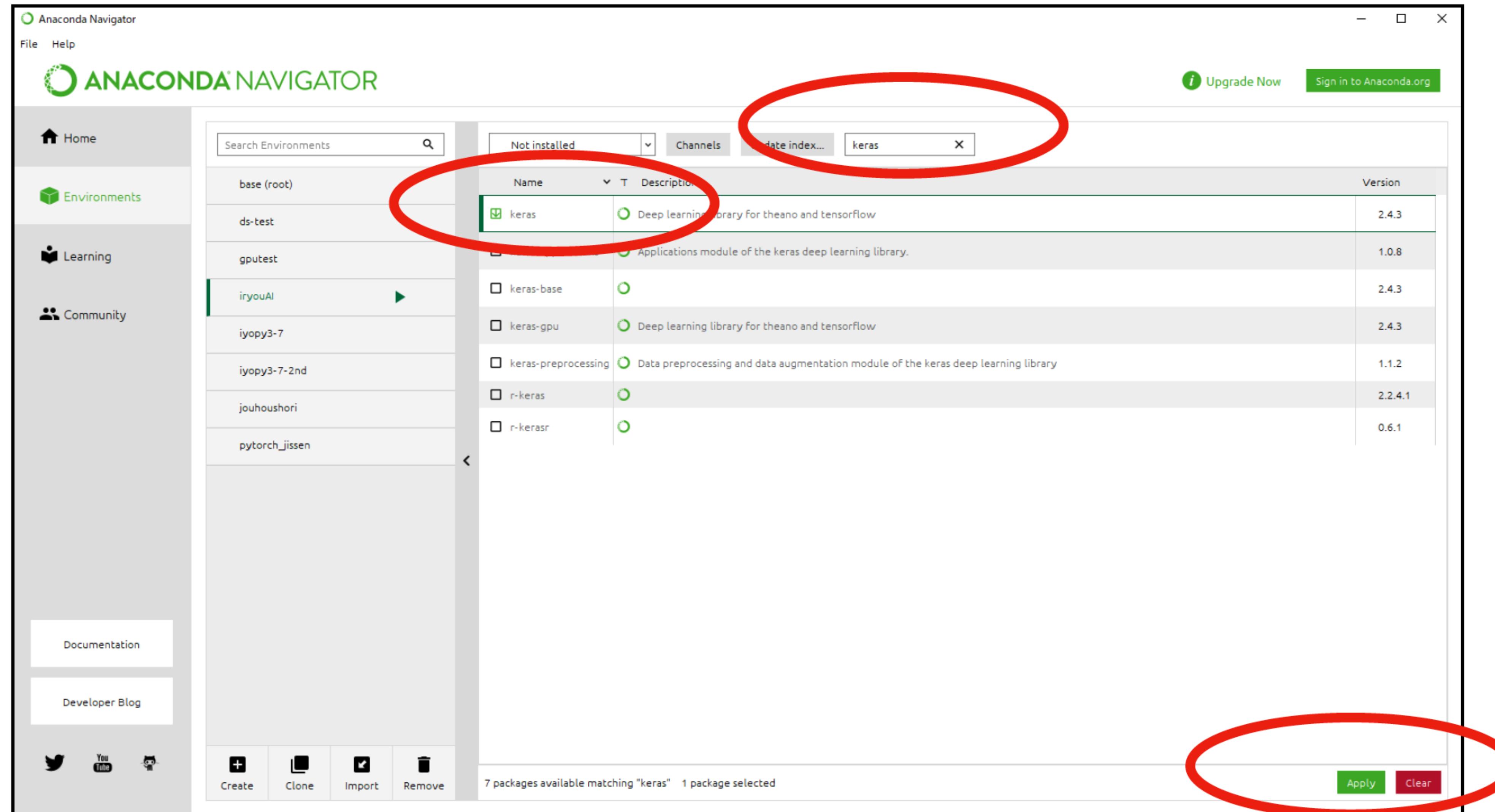
同様にpandasをインストールする



同様にscikit-learnをインストールする



同様にkerasをインストールする



【追加】

同様に tensorflow をインストールする

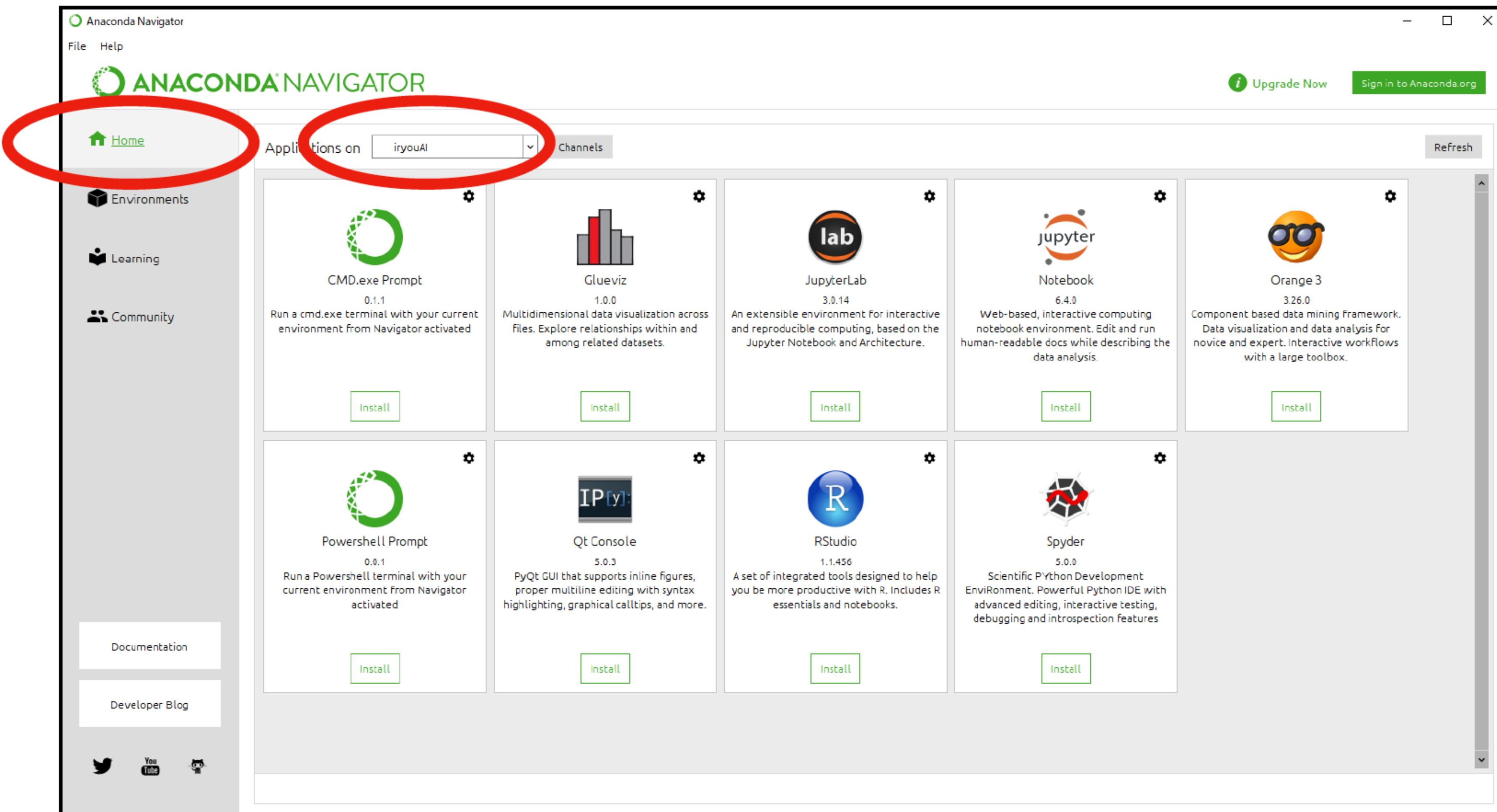
The screenshot shows the Anaconda Navigator interface. On the left, there's a sidebar with icons for Home, Environments, Learning, and Community. A prominent section is 'Anaconda Notebooks' with a 'Learn More' button. Below that, it says 'A full Python IDE directly from the browser'. At the bottom of the sidebar are links for Documentation and Anaconda Blog, along with social media icons for Twitter, YouTube, and GitHub.

The main area is titled 'Anaconda Navigator' and shows a search results table. The search bar at the top right has 'tensorflow' typed into it. A red oval highlights this search bar. The table has columns for Name, Description, and version. One row for 'tensorflow' is selected and highlighted with a green border; its name is also circled in red. The 'tensorflow' entry has a description: 'Tensorflow is a machine learning library.' and a version of 2.9.1. Other packages listed include keras, keras-gpu, opt_einsum, r-tensorflow, tensorboard, tensorflow-base, tensorflow-datasets, tensorflow-eigen, tensorflow-estimator, tensorflow-hub, tensorflow-metadata, and tensorflow-mkl.

Name	Description	version
keras	Deep learning library for theano and tensorflow	2.9.0
keras-gpu	Deep learning library for theano and tensorflow	2.6.0
opt_einsum	Optimizing einsum functions in numpy, tensorflow, dask, and more with contraction order optimization.	3.3.0
r-tensorflow		2.9.0
tensorboard	Tensorflow's visualization toolkit	2.9.0
tensorflow	Tensorflow is a machine learning library.	2.9.1
tensorflow-base	Tensorflow is a machine learning library, base package contains only tensorflow.	2.9.1
tensorflow-datasets	Tensorflow/datasets is a library of datasets ready to use with tensorflow.	1.2.0
tensorflow-eigen	Metapackage for selecting a tensorflow variant.	2.0.0
tensorflow-estimator	Tensorflow estimator is a high-level tensorflow api that greatly simplifies machine learning programming.	2.9.0
tensorflow-hub	A library for transfer learning by reusing parts of tensorflow models.	0.8.0
tensorflow-metadata	Library and standards for schema and statistics.	0.14.0
tensorflow-mkl	Metapackage for selecting a tensorflow variant.	2.0.0

At the bottom of the table, it says '15 packages available matching "tensorflow" 1 package selected'. To the right of the table are 'Apply' and 'Clear' buttons, both circled in red.

そのままHomeを押すと、Application on “iryouAI”になっていることが確認できる



これでSpyderを起動するとiryouAIの環境で作業することができます。

以上になります