

Installation Guide

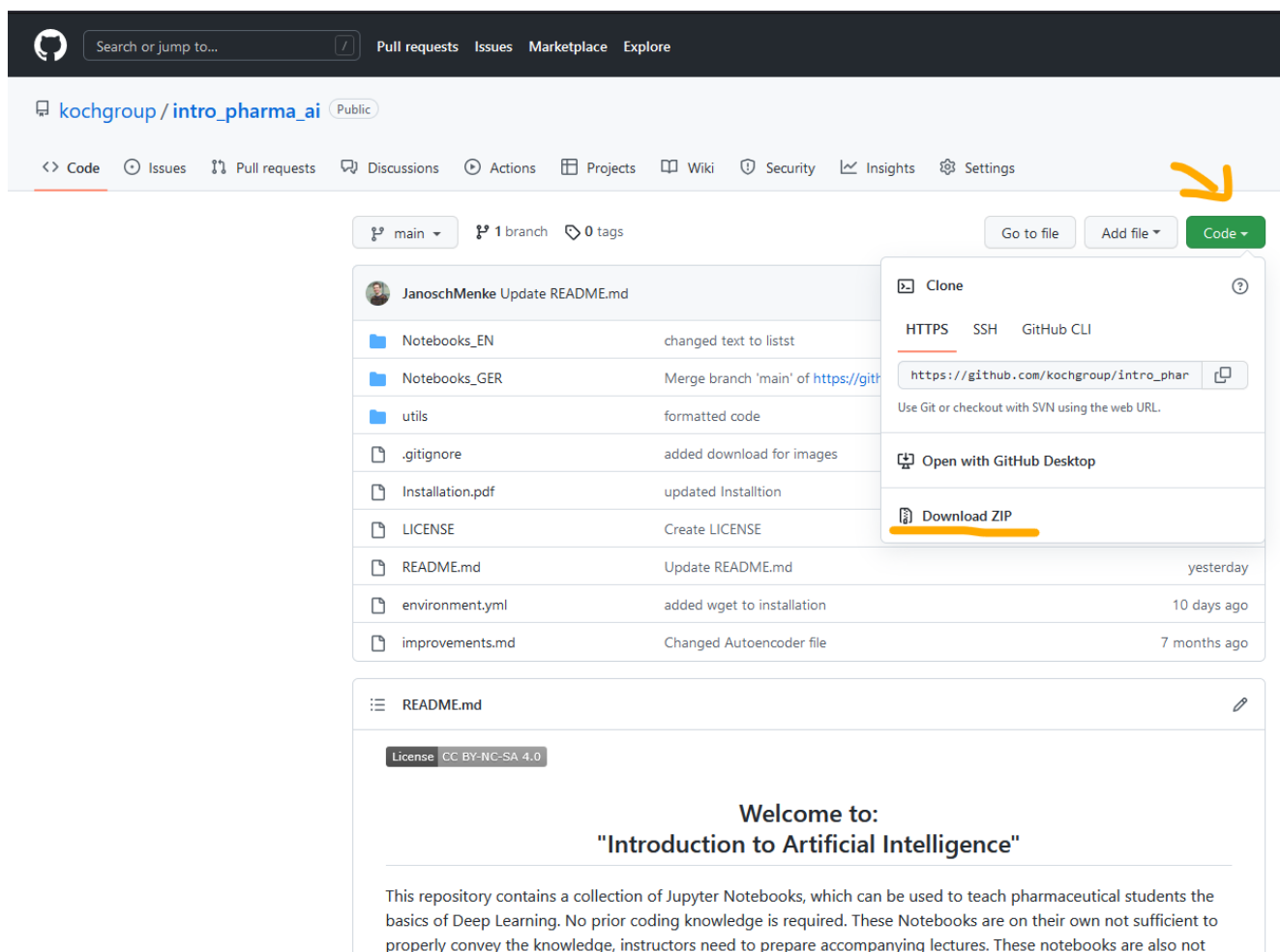
If you want to run the Jupyter Notebooks on your own machine you need to install not only Jupyter but also the right version of Python. You also have to install additional Libraries that can be used with Python.

In the following we will guide you through the process.

Download the GitHub Repository:

First the materials have to be downloaded and extracted.

You can download the repository from the GitHub page [here](#)
Just click on the green "Code" button and then on "Download ZIP"



Extract the downloaded ZIP to a location taht you can easily find again. We recommend to extrac the files to your main drive (C:)

Install Anaconda:

As a second step Anaconda needs to be installed. Anaconda is a widely used program that lets you easily acess and manage several important statistical and machine learning tools,

including Jupyter Notebooks.

1. Anaconda can be downloaded. from this link:

<https://www.anaconda.com/products/individual#Downloads>



Chose the Installer that fits to your OS.

For Windows/MacOS users: Make sure you use the Graphical Installer. If you don't know if you have a 64- or 32-bit operating system, you can find out with this [link](#). Basically all Windows 10 users should have a x64-bit version installed.

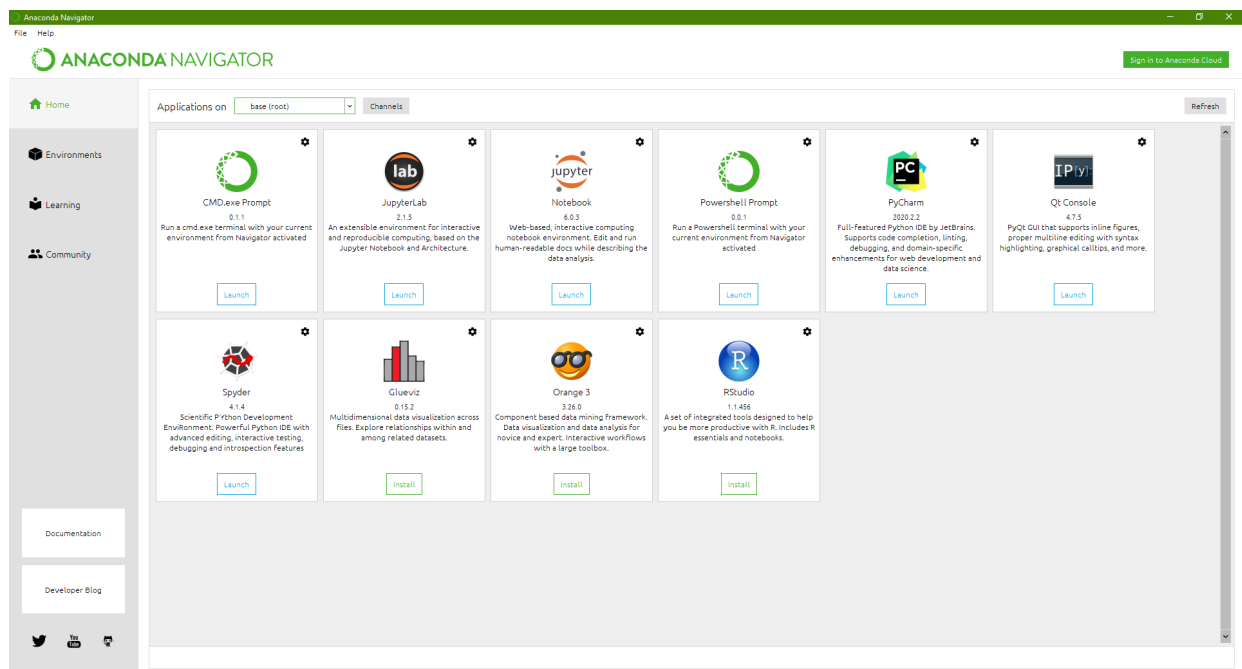
2. After downloading, please follow the instructions:

- [Windows](#)
- [MacOs](#)
- [Linux](#)

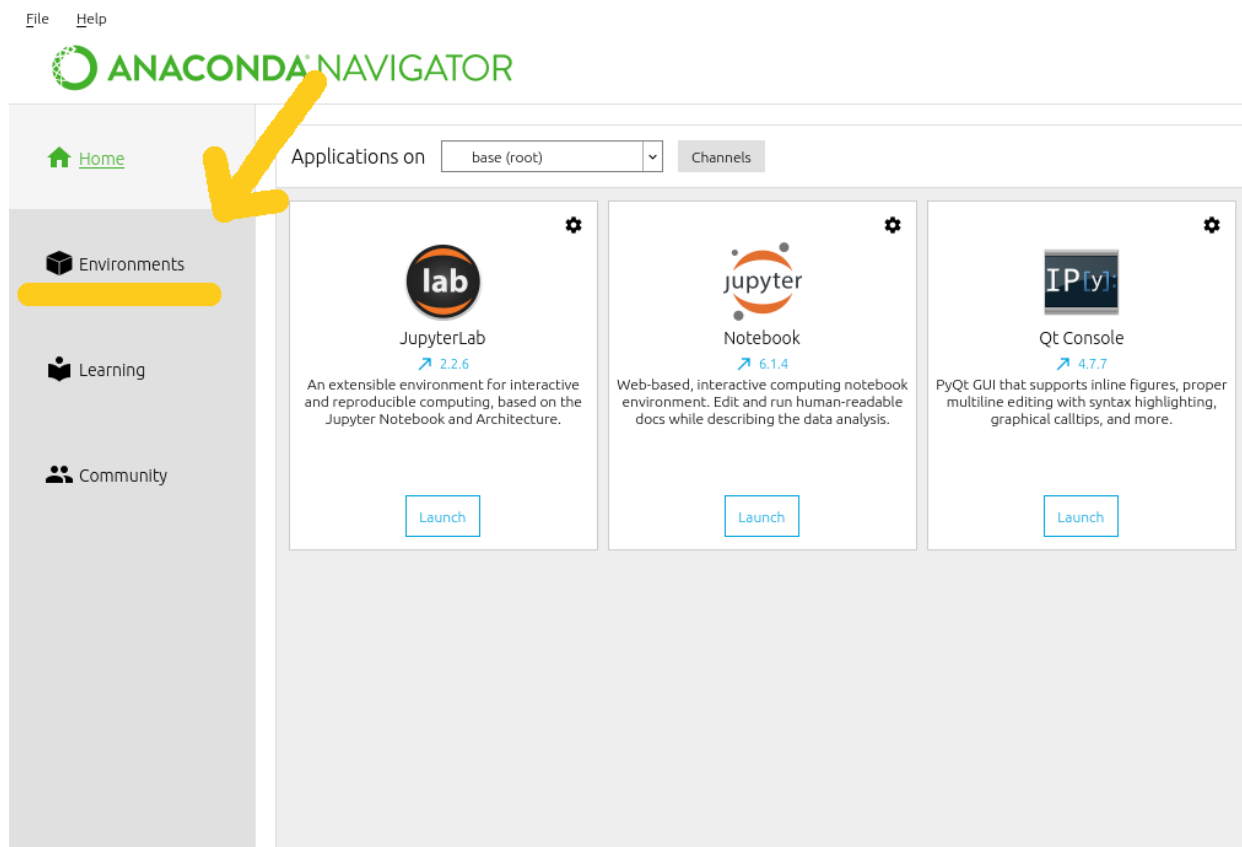
3. Now open the "Anaconda Navigator". In Windows, for example, you can simply type Anaconda into the search bar and the Navigator should open. One linux you can use the `anaconda-navigator` in the terminal.



The Navigator should open:



4. In the Navigator, switch to the "Environments" tab by clicking on it.



5. Click on "Import" in the bottom.

File Help

ANACONDA NAVIGATOR

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Search Environments

base (root) ▶

binary_ae

cddd

get_nnpf_env

intro_ki

lang_env

natprod_env

neural_nnpf_env_test

nnpf_env

r-miniconda

r-reticulate

r4-base

teaching

test_env

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Create

Clone

Import

Remove

Installed

Channels

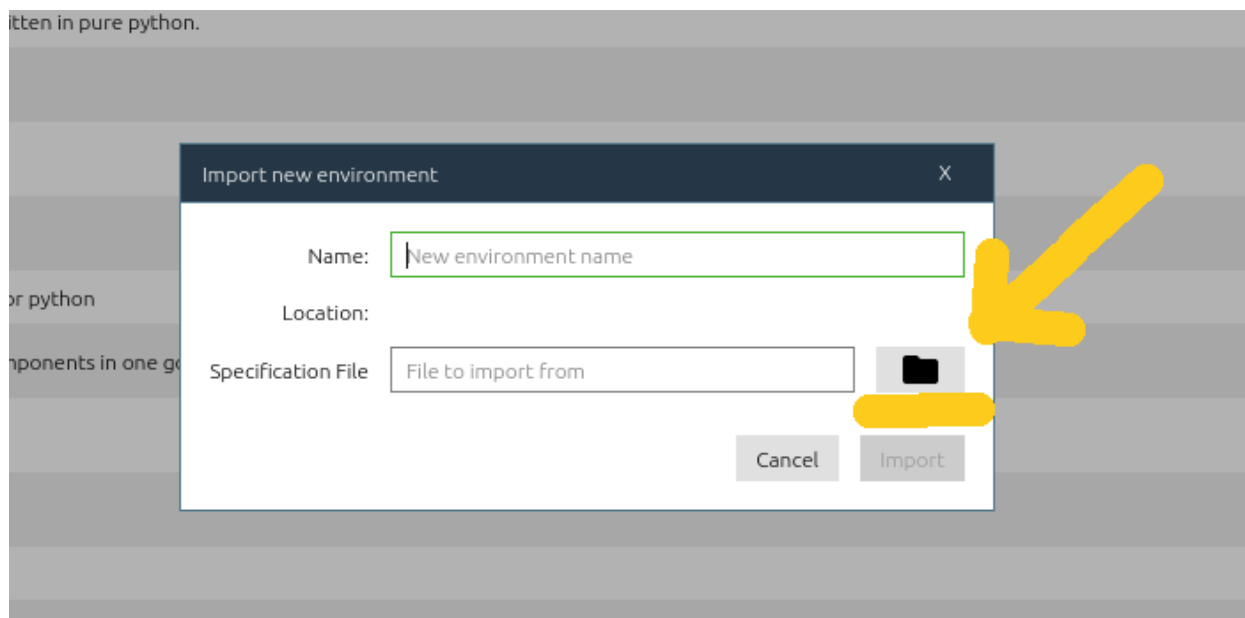
Update index...

Search Packages

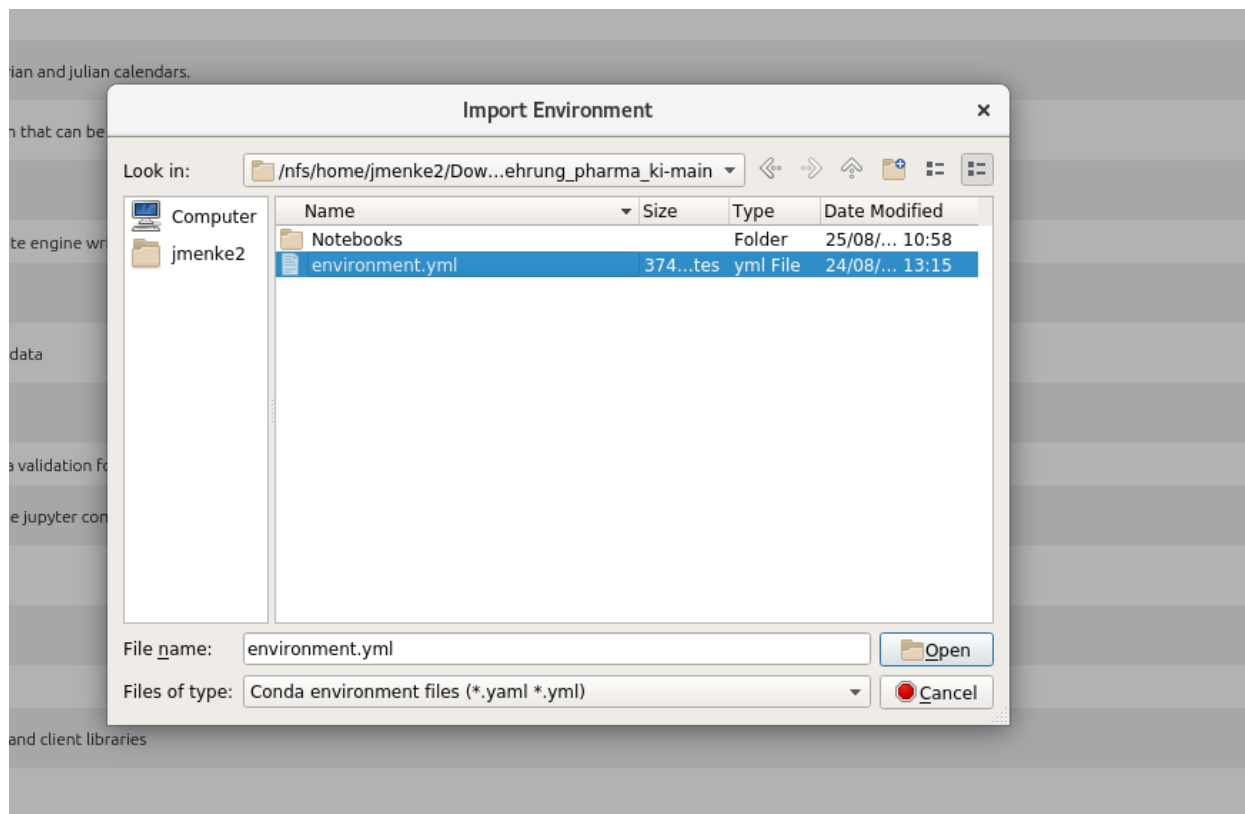
Name	T	Description
isodate	✓	An iso 8601 date/time/duration parser and formatter.
isort	✓	A python utility / library to sort python imports.
itsdangerous	✓	Various helpers to pass trusted data to untrusted environments.
jbig	✓	
jdcal	✓	Julian dates from proleptic gregorian and julian calendars.
jedi	✓	An autocompletion tool for python that can be used for text editors.
jeepney	✓	Pure python dbus interface
jinja2	✓	An easy to use stand-alone template engine written in pure python.
jobjlib	✓	Python function as pipeline jobs.
jpeg	✓	Read/write jpeg com, exif, iptc metadata
json5	✓	
jsonschema	✓	An implementation of json schema validation for python
jupyter	✓	Jupyter metapackage. install all the jupyter components in one go.
jupyter-client	✓	
jupyter-console	✓	
jupyter-core	✓	
jupyter_client	✓	Jupyter protocol implementation and client libraries
jupyter_console	✓	Jupyter terminal console
jupyter_core	✓	Core common functionality of jupyter projects.
jupyterlab	✓	Jupyterlab pre-alpha
jupyterlab-pygments	✓	
jupyterlab-server	✓	
jupyterlab_pygments	✓	
jupyterlab_server	✓	A set of server components for jupyterlab and jupyterlab like applications.
keras	✓	Deep learning library for theano and tensorflow
keras-base	✓	
keras-preprocessing	✓	Data preprocessing and data augmentation module of the keras deep learning library
keyring	✓	Store and access your passwords safely

400 packages available

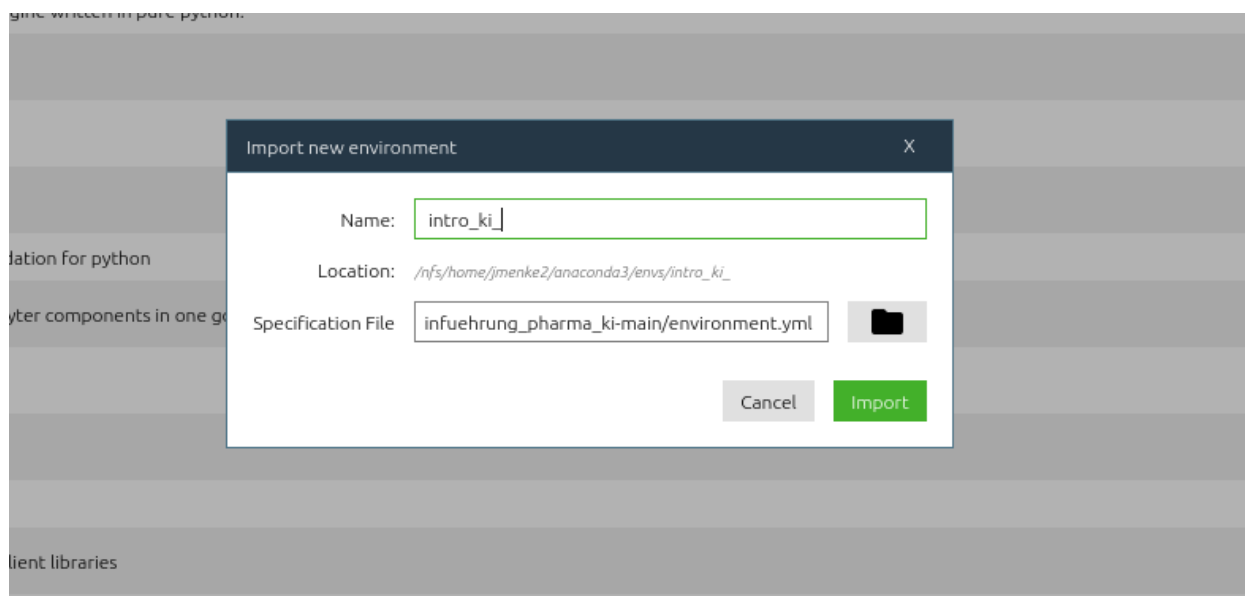
6. A new window should open, where you can click on the small folder button.



7. Navigate to the folder `intro_pharma_ai-main` which you downloaded from GitHub. From within this folder you select the `environment.yml` file and click on "Open"



8. Lastly, click on the green "Import" Button

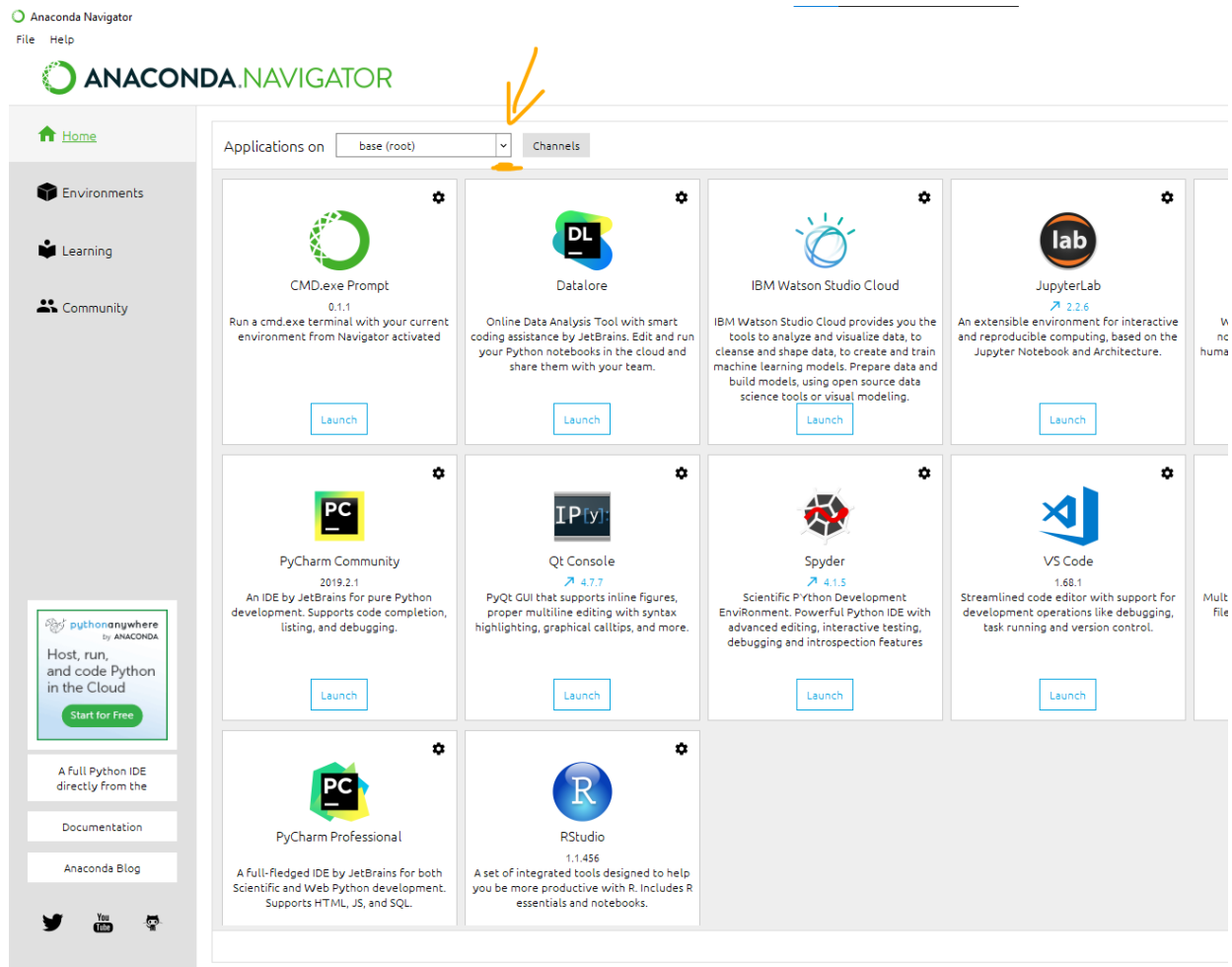


The Installation of `intro_ai` should begin. This may take a while. (The image shows an old name of the environment)

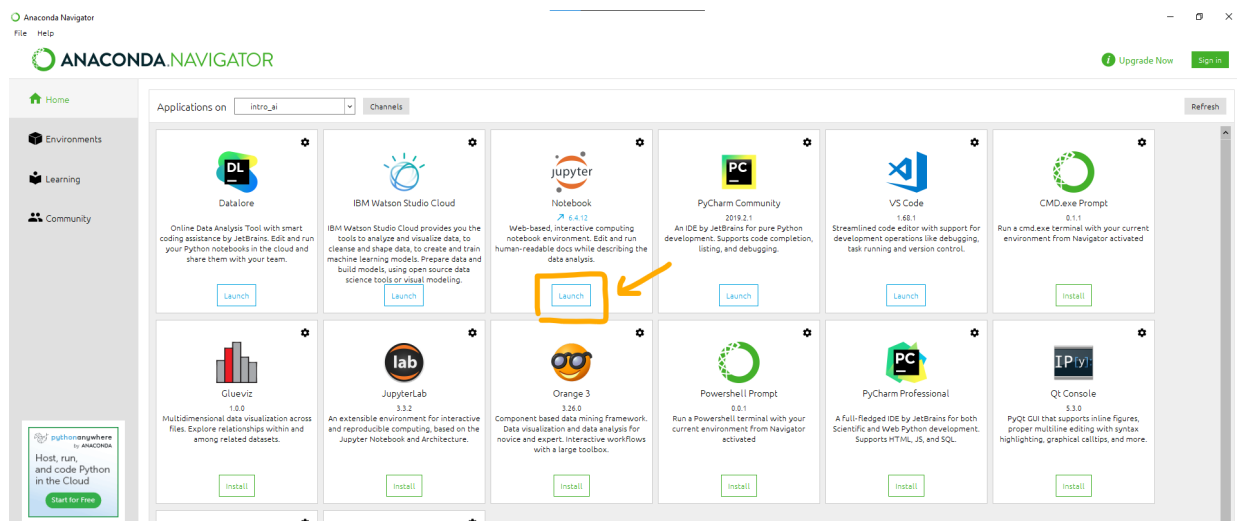
Opening a Notebook

In order to use open and use on of the Jupyter Notebook, you have to first switch to the newly installed environment, then open Jupyter and lastly open the Notebook from within Jupyter.

1. Switch the environment to `intro_ai` by opening the dropdown menu highlighted in the image below. From here select `intro_ai`. This will switch to the selected environment (may take a minute)



2. Now click on the "Launch" Button for "Jupyter Notebooks"



This will open a new tab in your Browser. This new tab is Jupyter "Application".

3. In the Browser Tab you can navigate to the location of the downloaded

`intro_pharma_ai-main`

4. Within the repository you can open a specific notebook by clicking on it.

This will open another tab in the browser from which you can interact with the notebook.

