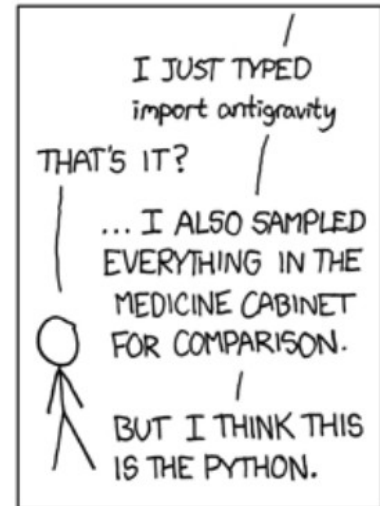
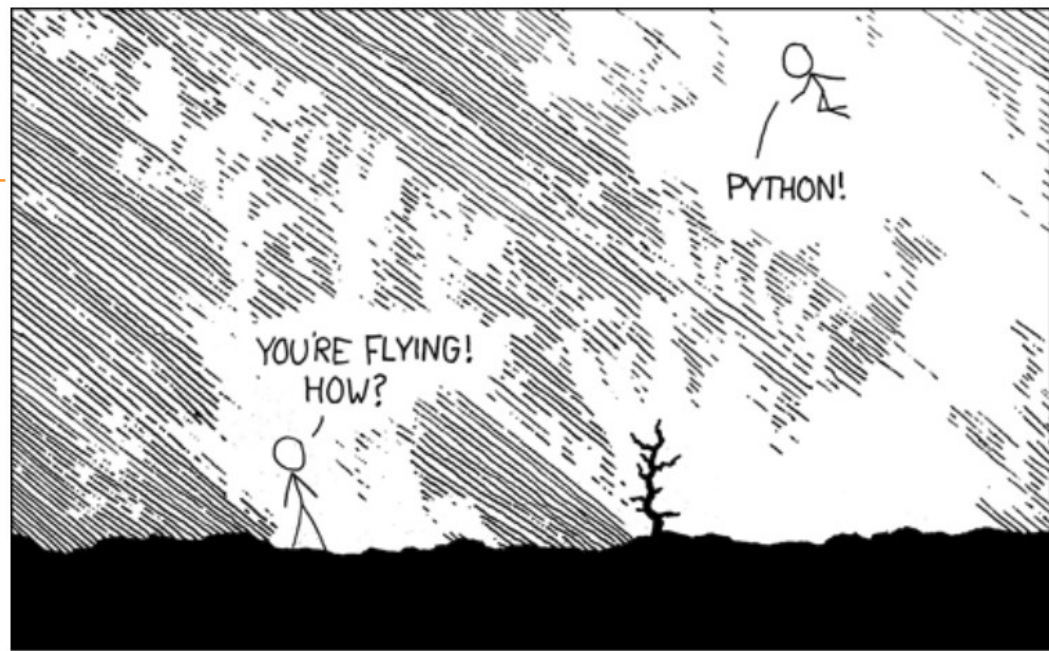


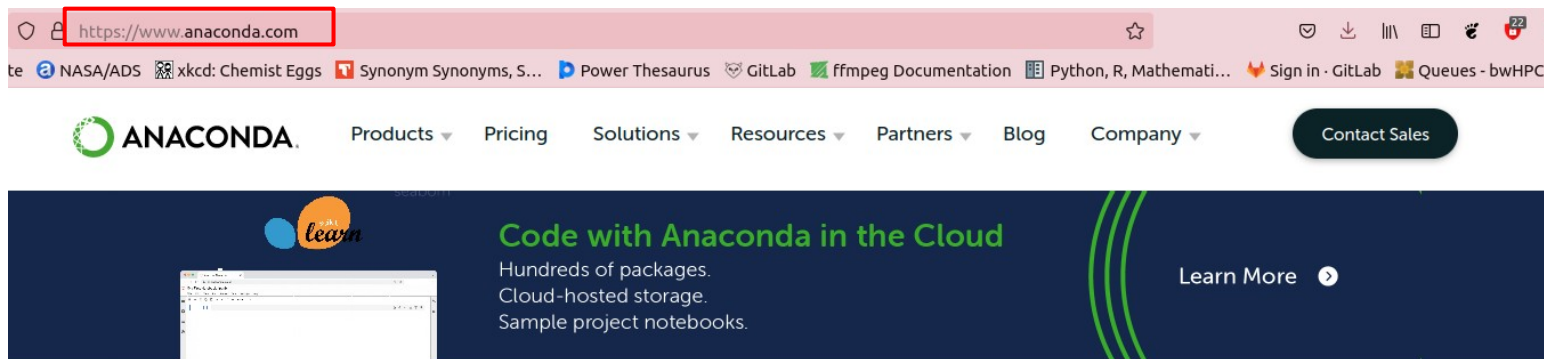
Let's python!

Trainers:

- S. Ataiee: use python since 2012 for data analysis
- Feiz
- Tamam
- Z. Yousefi




How to start?



Data science technology for a better world.

Anaconda offers the easiest way to perform Python/R data science and machine learning on a single machine. Start working with thousands of open-source packages and libraries today.

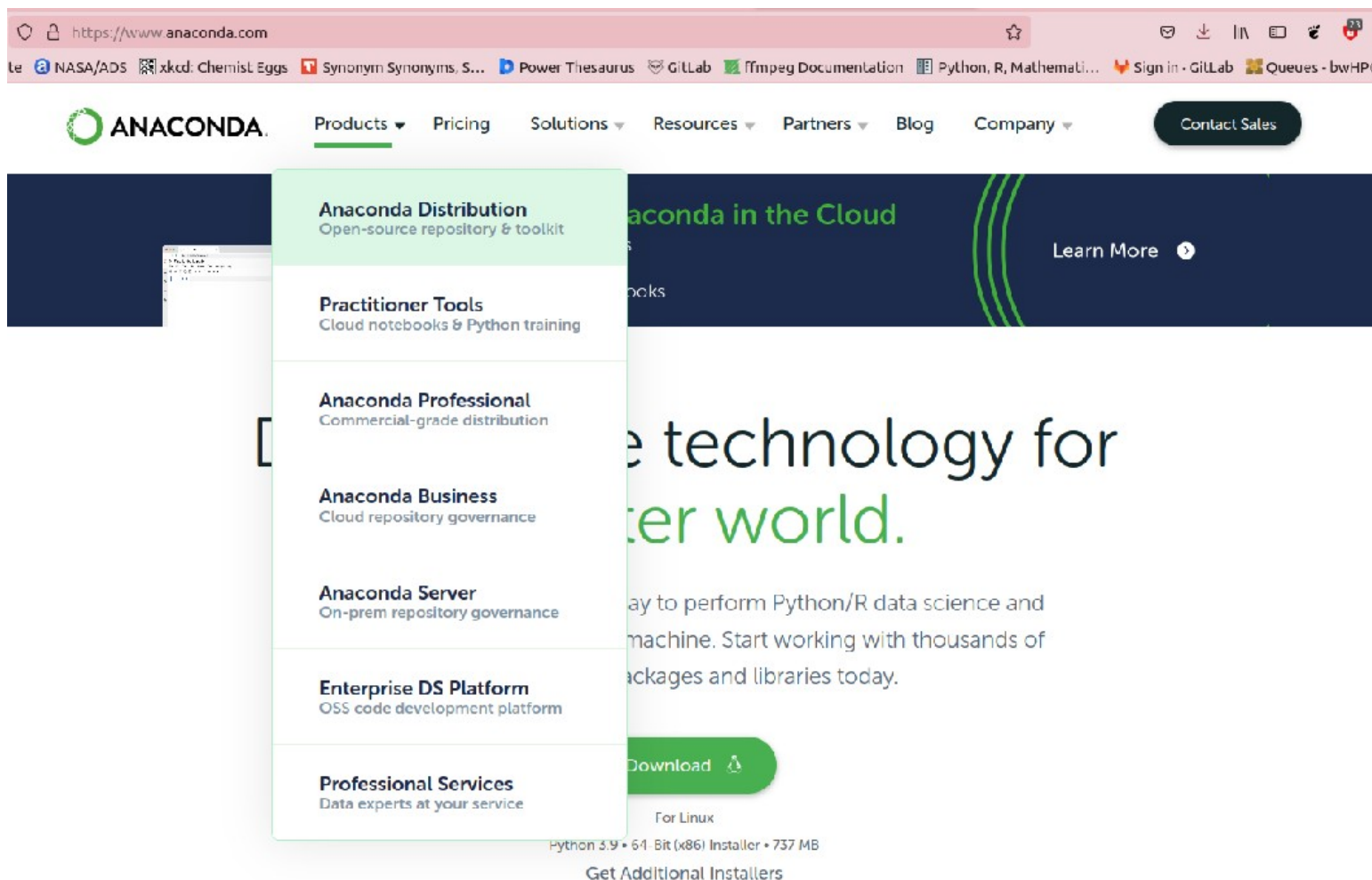
Download 

For Linux

Python 3.9 • 64-Bit (x86) Installer • 737 MB

[Get Additional Installers](#)

How to start?

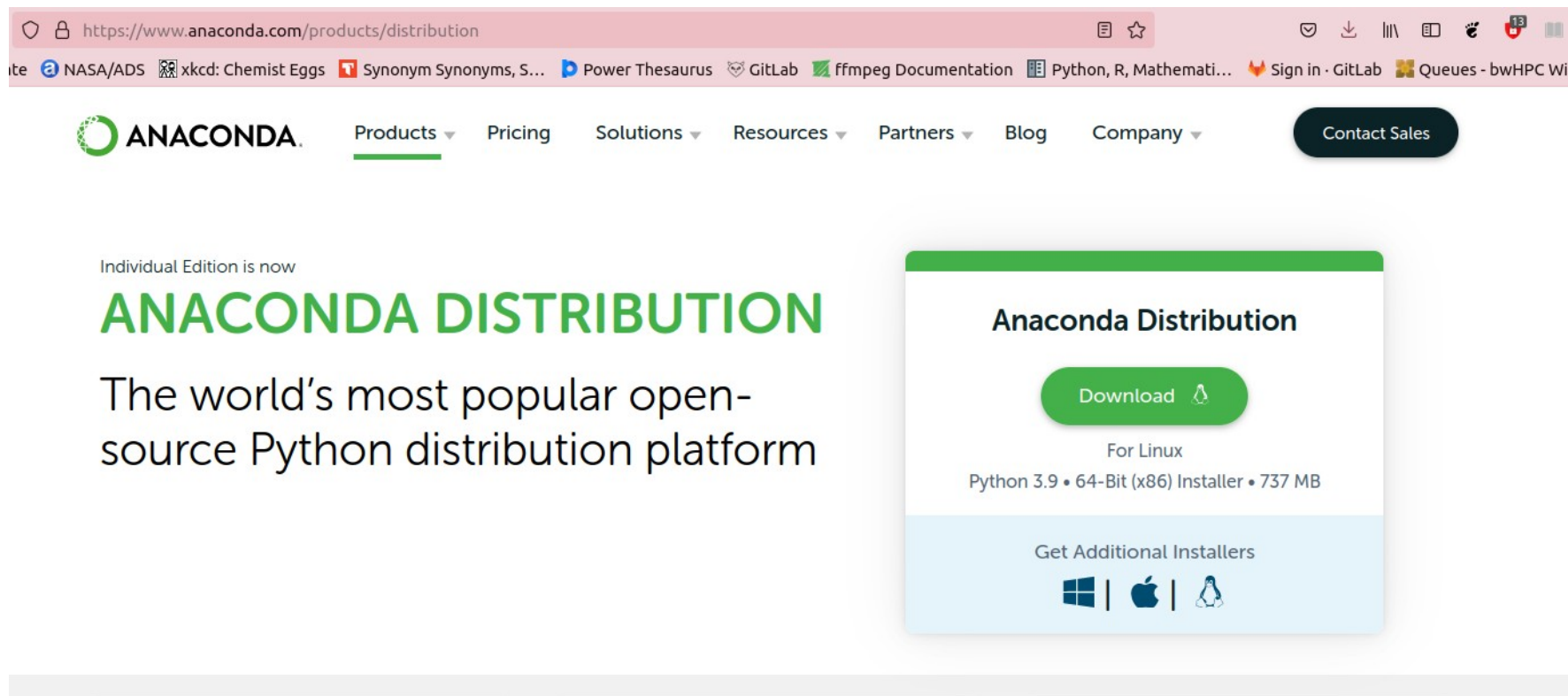


The screenshot shows the Anaconda website with the 'Products' dropdown menu open. The menu lists the following options:

- Anaconda Distribution**
Open-source repository & toolkit
- Practitioner Tools**
Cloud notebooks & Python training
- Anaconda Professional**
Commercial-grade distribution
- Anaconda Business**
Cloud repository governance
- Anaconda Server**
On-prem repository governance
- Enterprise DS Platform**
OSS code development platform
- Professional Services**
Data experts at your service

The background of the website features a dark blue banner with the text 'Anaconda in the Cloud' and a 'Learn More' button. Below this, the text 'the technology for' and 'er world.' is visible. At the bottom, there is a 'Download' button and the text 'For Linux' and 'Python 3.9 • 64-Bit (x86) Installer • 737 MB'.

How to start?



The image is a screenshot of the Anaconda Distribution website. At the top, there is a browser address bar showing the URL `https://www.anaconda.com/products/distribution`. Below the address bar is a navigation bar with the Anaconda logo on the left and several menu items: **Products** (with a dropdown arrow), Pricing, Solutions (with a dropdown arrow), Resources (with a dropdown arrow), Partners (with a dropdown arrow), Blog, and Company (with a dropdown arrow). A dark green button labeled "Contact Sales" is positioned on the right side of the navigation bar. The main content area features the text "Individual Edition is now" in a small font, followed by the large green heading "ANACONDA DISTRIBUTION". Below this heading is the text "The world's most popular open-source Python distribution platform". On the right side of the main content area, there is a white box with a green header "Anaconda Distribution". Inside this box, there is a green button labeled "Download" with a small icon. Below the button, it says "For Linux" and "Python 3.9 • 64-Bit (x86) Installer • 737 MB". At the bottom of the box, there is a light blue section titled "Get Additional Installers" with icons for Windows, macOS, and Linux.

Individual Edition is now

ANACONDA DISTRIBUTION

The world's most popular open-source Python distribution platform

Anaconda Distribution

Download

For Linux

Python 3.9 • 64-Bit (x86) Installer • 737 MB

Get Additional Installers

Windows | macOS | Linux

What is python?



What is python?



A programming language implemented by Guido van Rossum and released first in 1991.

Why python?

- is free!
- is easily readable and relatively simple
- is comprehensively documented
- has support for object-oriented programming and functional programming
- has many user-created libraries which one can download and use them
- is an interpreted language meaning that code can be executed as soon as it is written

BEFORE AND AFTER CODING



c++



javascript

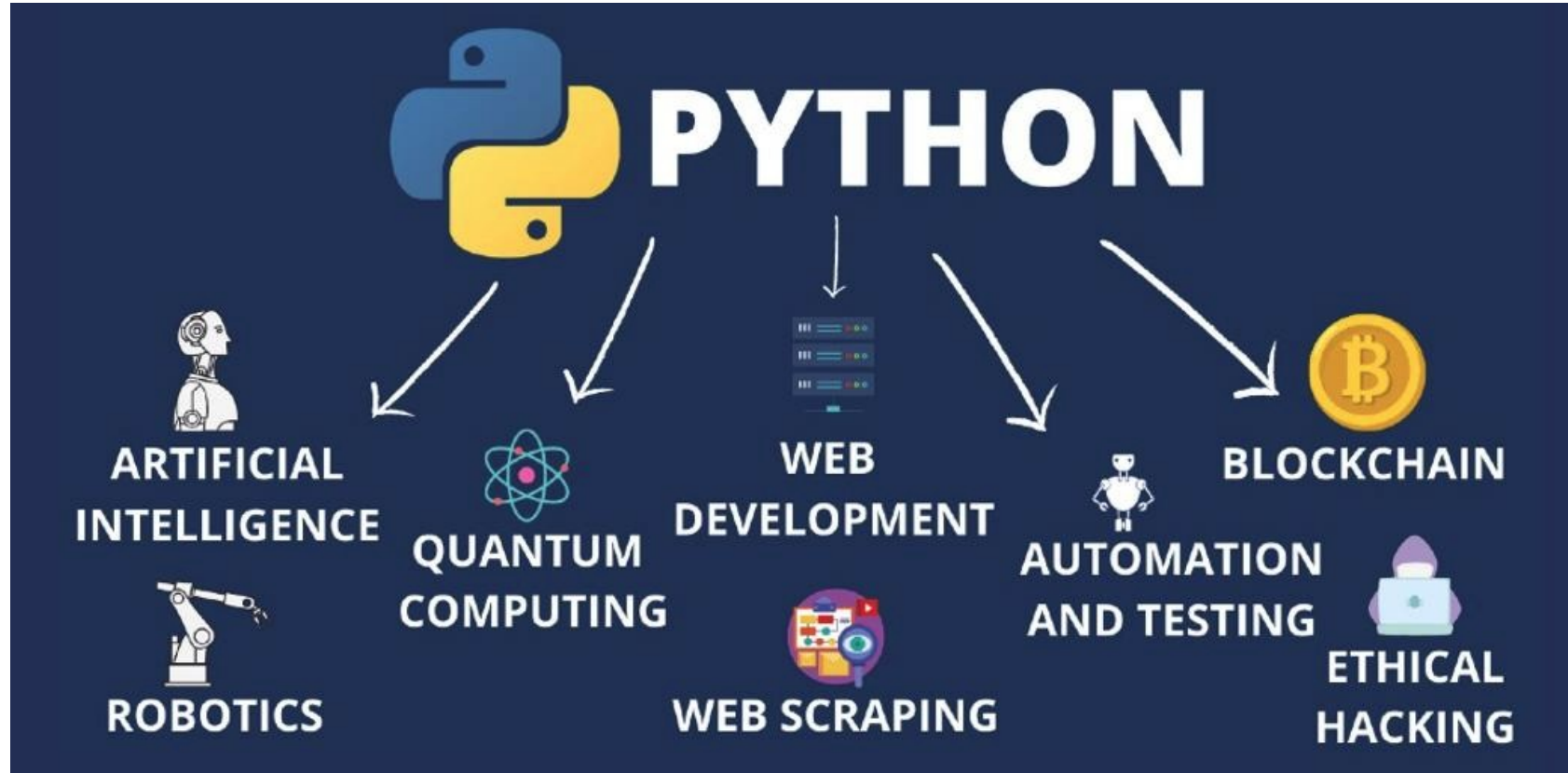


java

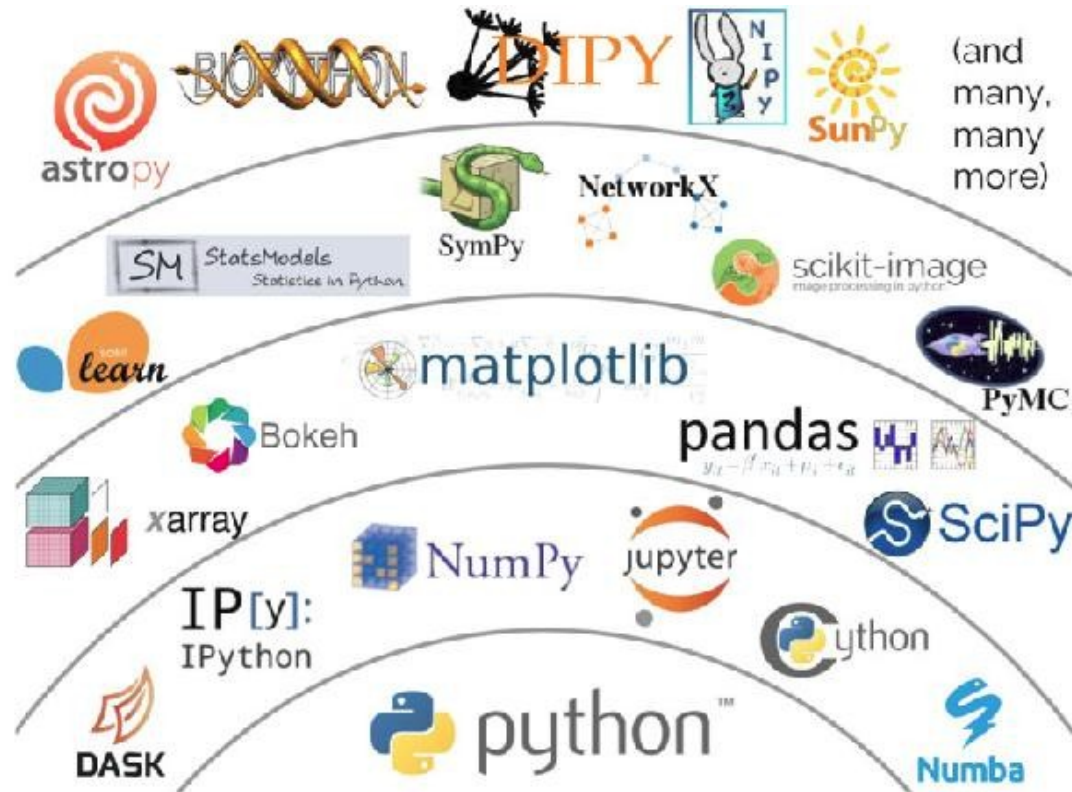


python

Python application



Python application in science



LET'S GET

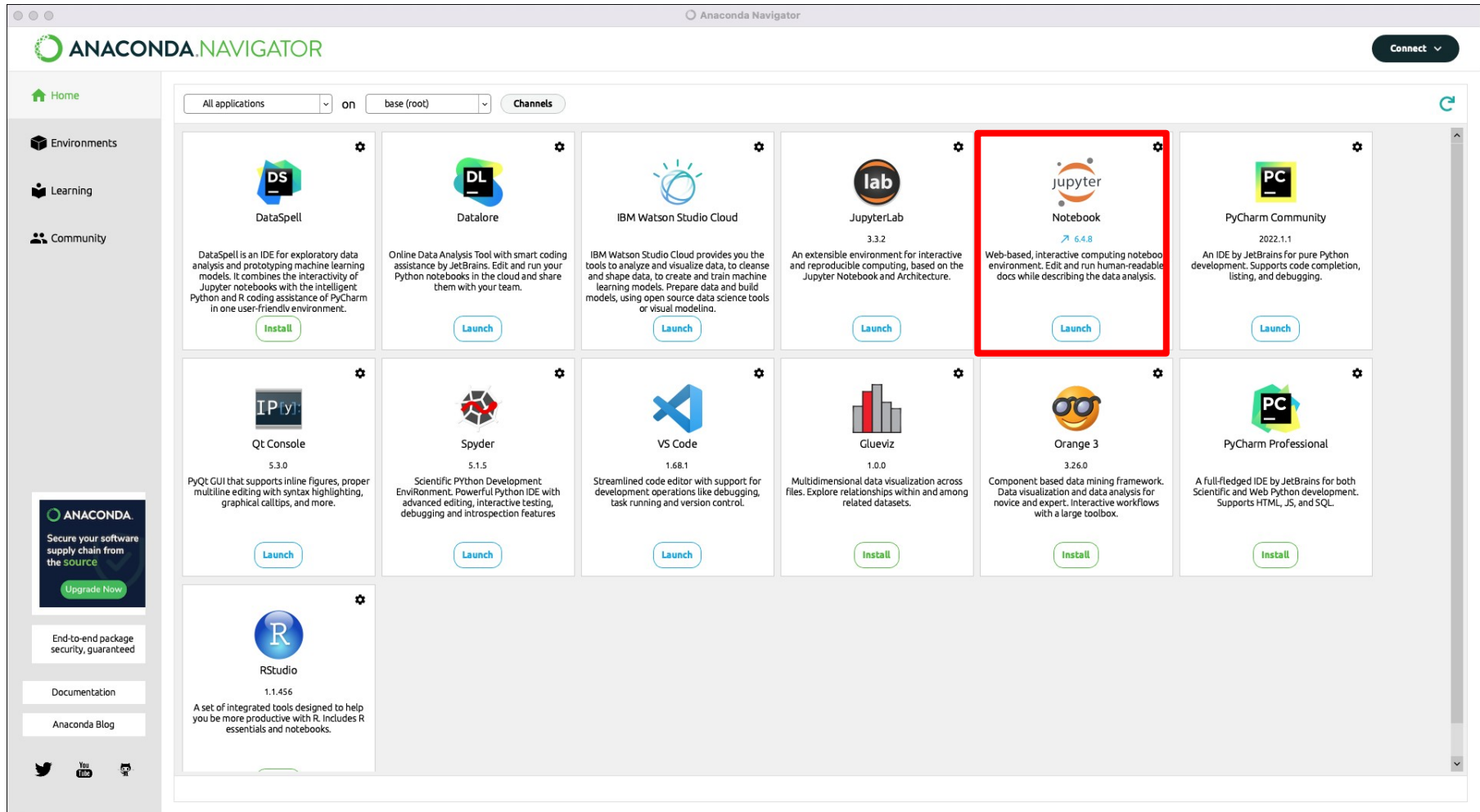


STARTED!

Anaconda navigator

- Save day1.ipynb (sent by email) somewhere in your computer
- Open anaconda-navigator
- Open Jupyter notebook
- Click on day1.ipynb

Anaconda navigator





Quit

Logout

Files

Running

Clusters

Select items to perform actions on them.

Upload

New ▾



☐ 0 ▾

📁 /

Name ▾

Last Modified

File size

☐ 📁 atm_retrival

8 days ago

☐ 📁 bin

2 years ago

☐ 📁 Calibre Library

a month ago

☐ 📁 Desktop

11 days ago

☐ 📁 Documents

2 months ago

☐ 📁 Downloads

a day ago

☐ 📁 Dropbox

a day ago

☐ 📁 ebooks

a month ago

☐ 📁 fargo3d

2 years ago

☐ 📁 footext

6 months ago

☐ 📁 LightCurve

a month ago

☐ 📁 MachineLearning

25 days ago

☐ 📁 Music

a year ago