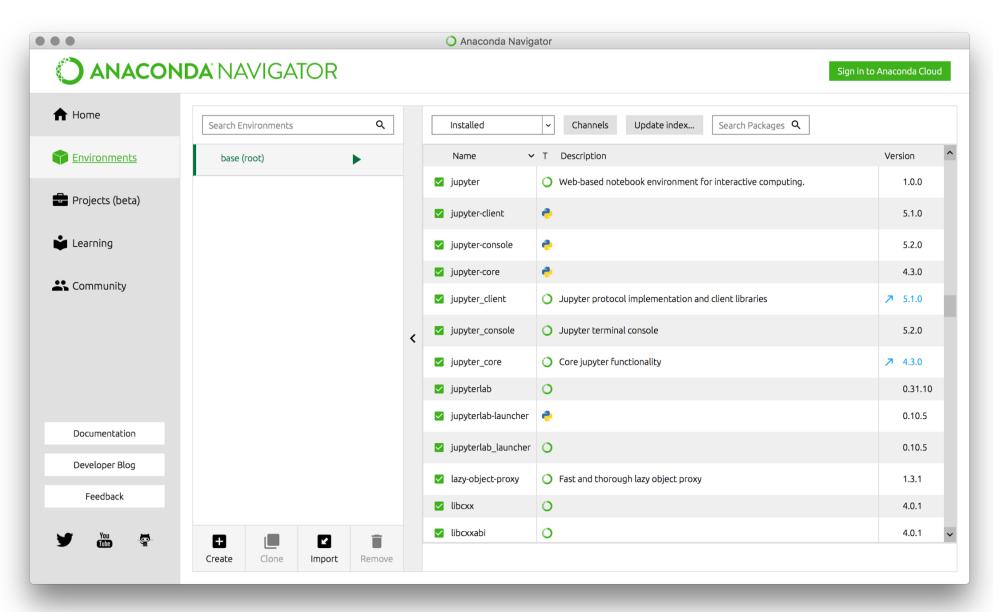
- A note about yesterday's robotics: Even if you are not an SME student, we will find a way through the SME Virtual Network to get you involved.
- There is a list for long-term SME Virtual Network projects (many of which will use Python heavily if not completely). Any SME student or professional can be project lead if they want. The repo is here: http://bit.ly/2FlcOxG.
- There is a new Jupyter project that was just released in beta JupyterLab (an "enhancement" of Jupyter Notebooks). We will look at that option. A pretty good blog post on JupyterLab is here: http://bit.ly/2odWyoi.

All SME Virtual Network projects will support beginner friendly labels on issues.

You can "claim" an issue by adding a comment to the issue which contains the word **claim**.

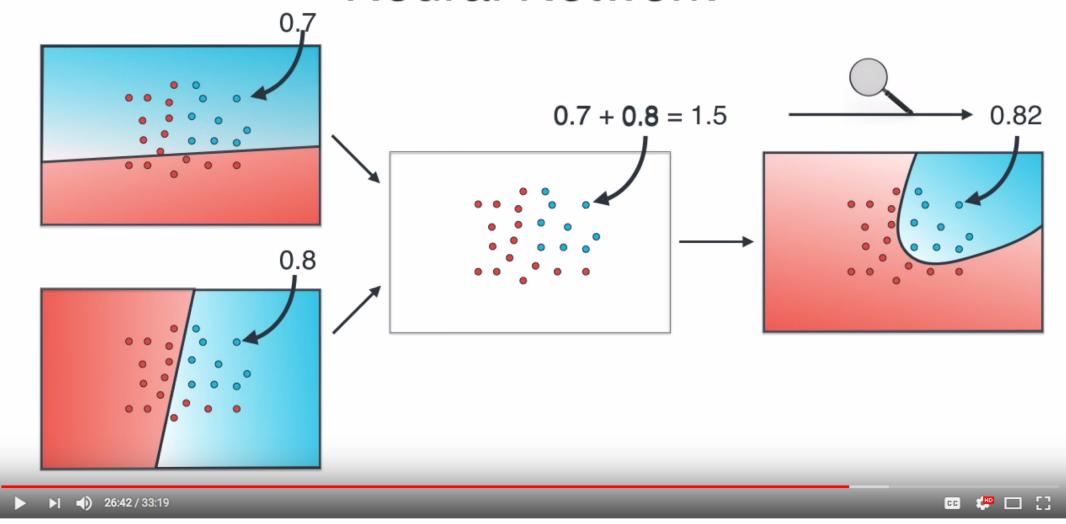
Want a list of other "beginner-friendly" Python open-source projects? http://bit.ly/2Fb2KUM

Python Virtual Environments

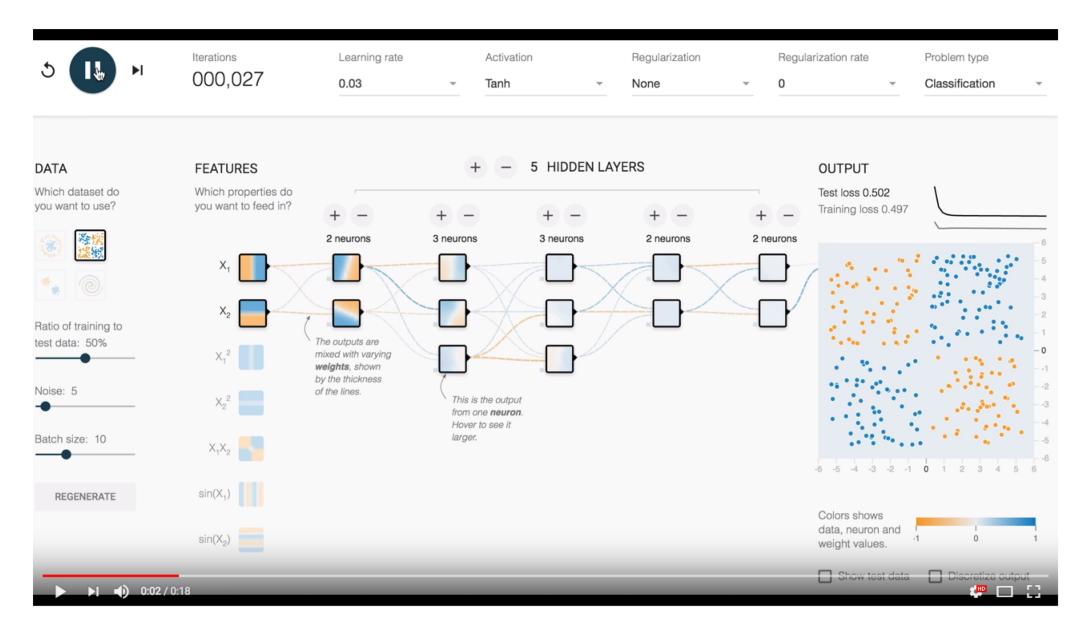


TensorFlow Playground

Neural Network



TensorFlow Playground

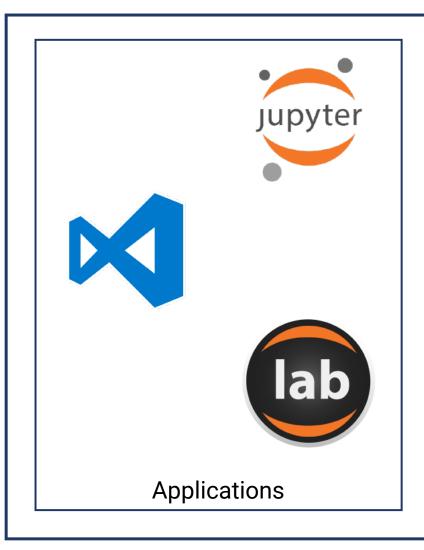


Anaconda Ecosystem

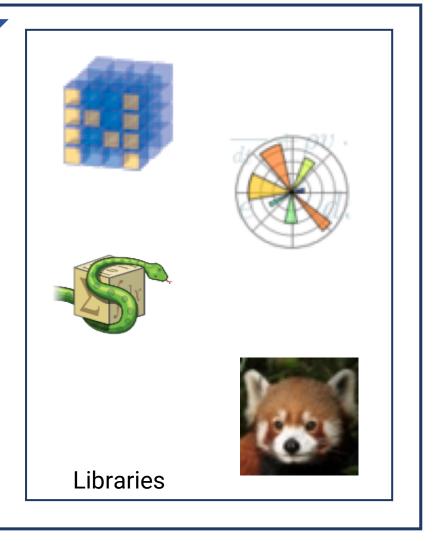
Anaconda Cloud

conda install -c <channel> <package name>

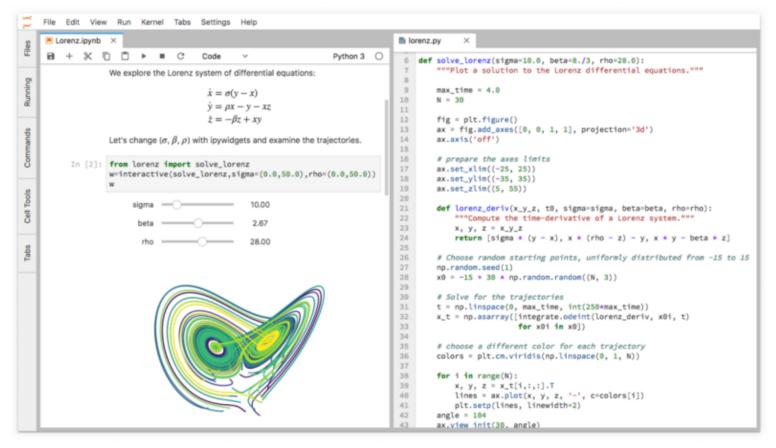








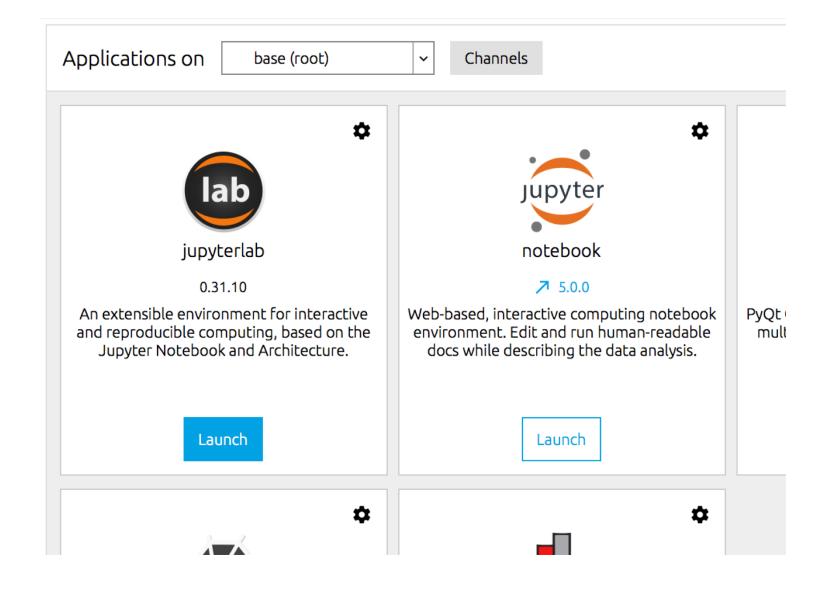
JupyterLab



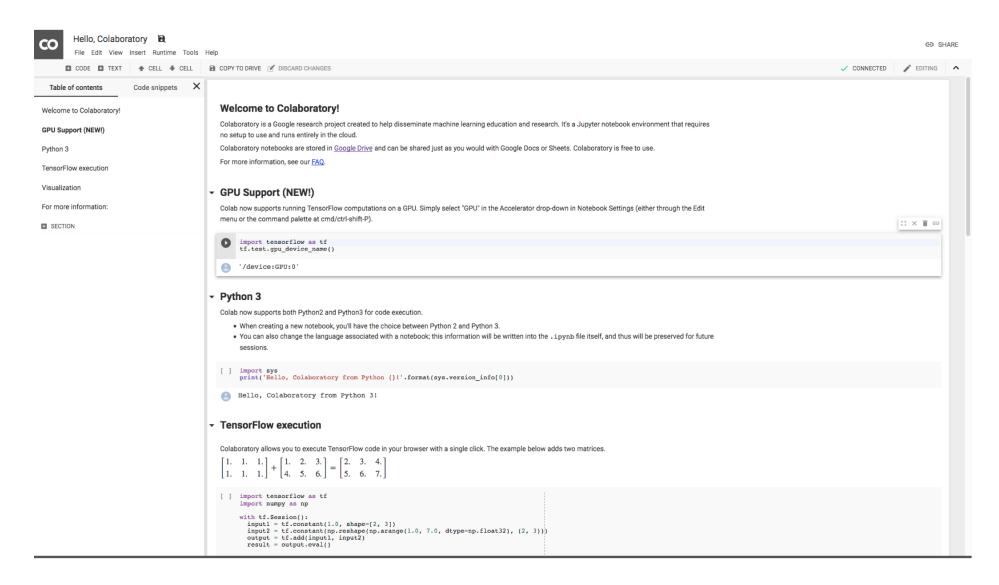
Install JupyterLab into your Anaconda install: conda install -c conda-forge jupyterlab

The actual Anaconda Cloud entry is here: http://bit.ly/2Facu5r

JupyterLab



Google Colaboratory



Today's Agenda

- A brief look at the new <u>JupyterLab</u> browser-based IDE.
- A quick look at the 'Model a CNC Machine Tool' sample: http://bit.ly/2GZTBPe
- REST API Example in Django
 (https://www.djangoproject.com). A really good library for this is Django REST Framework.

IIoT Fundamentals and Applications (Public Webinar)	
Tuesday, March 20, 2018 11:00 am CST (12:00 pm EST)	http://bit.ly/2oEX9Qe
Tuesday, March 20, 2018 6:00 pm CST (7:00 pm EST)	http://bit.ly/2oOrNpH
Python Fundamentals for Engineers and Manufacturers (SME members-only Workshop)	
Wednesday, March 28, 2018 through Friday, March 30, 2018 11:00 am CST (12:00 pm EST) each day	http://bit.ly/2oOT8I3
How to Get Your Product Manufactured (Public Webinar)	
Tuesday, April 17, 2018 6:00 pm CST (7:00 pm EST)	http://bit.ly/2oHmuct
Introduction to Machine Vision (Public Webinar)	
Tuesday, May 15, 2018 11:00 am CST (12:00 pm EST)	http://bit.ly/2H3kqBY
Tuesday, May 15, 2018 6:00 pm CST (7:00 pm EST)	http://bit.ly/2CVYYN3