



Jupyter Updates

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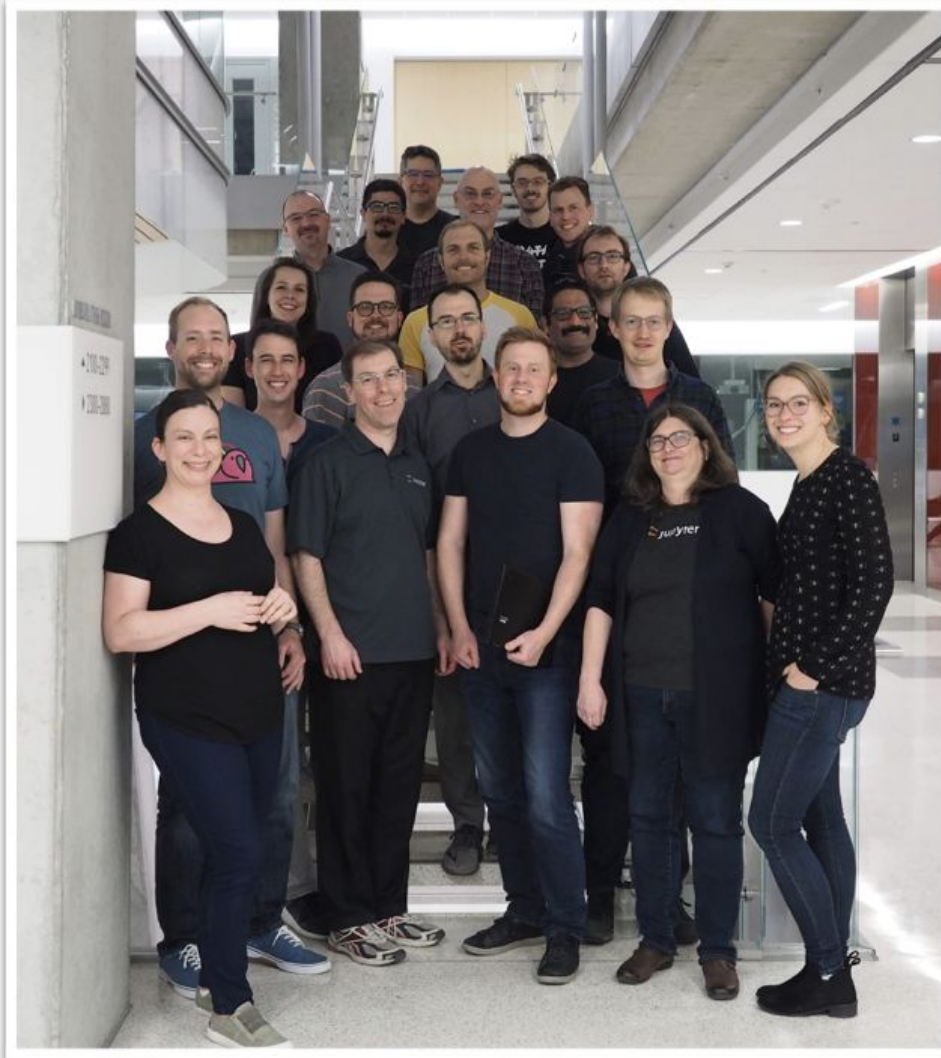
<http://bit.ly/scipyLa-jupyter>



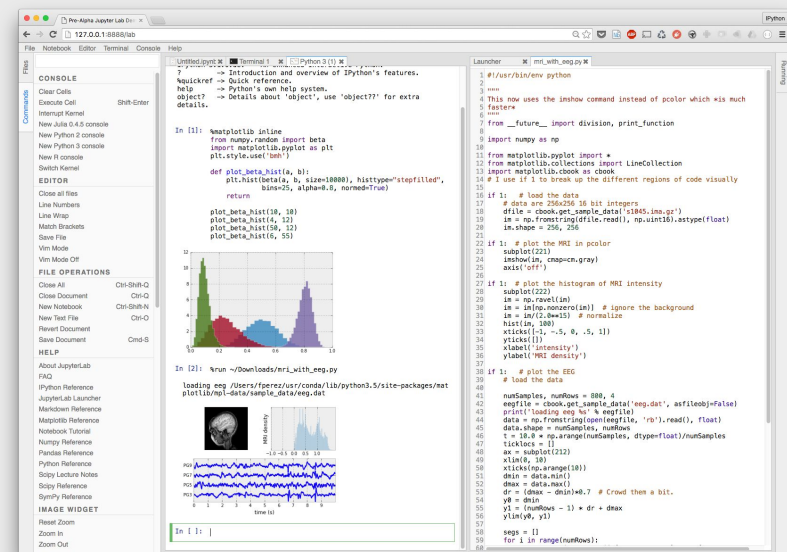
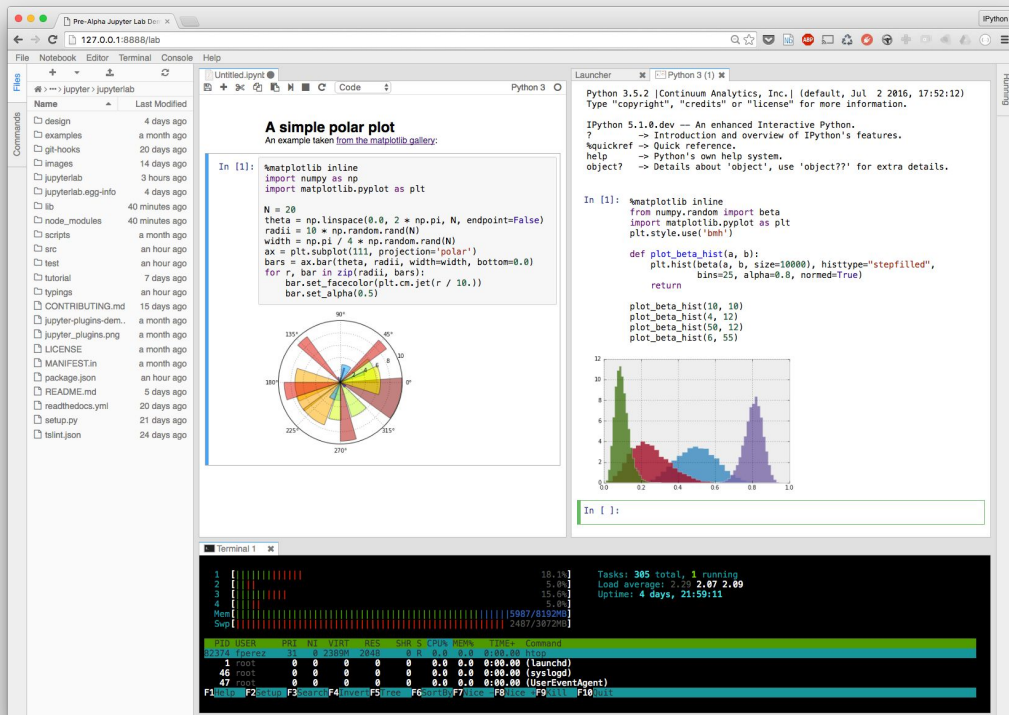


a *community* of people and an ecosystem of open
software and *standards* for interactive computing





JupyterLab: a grand unified theory of Jupyter



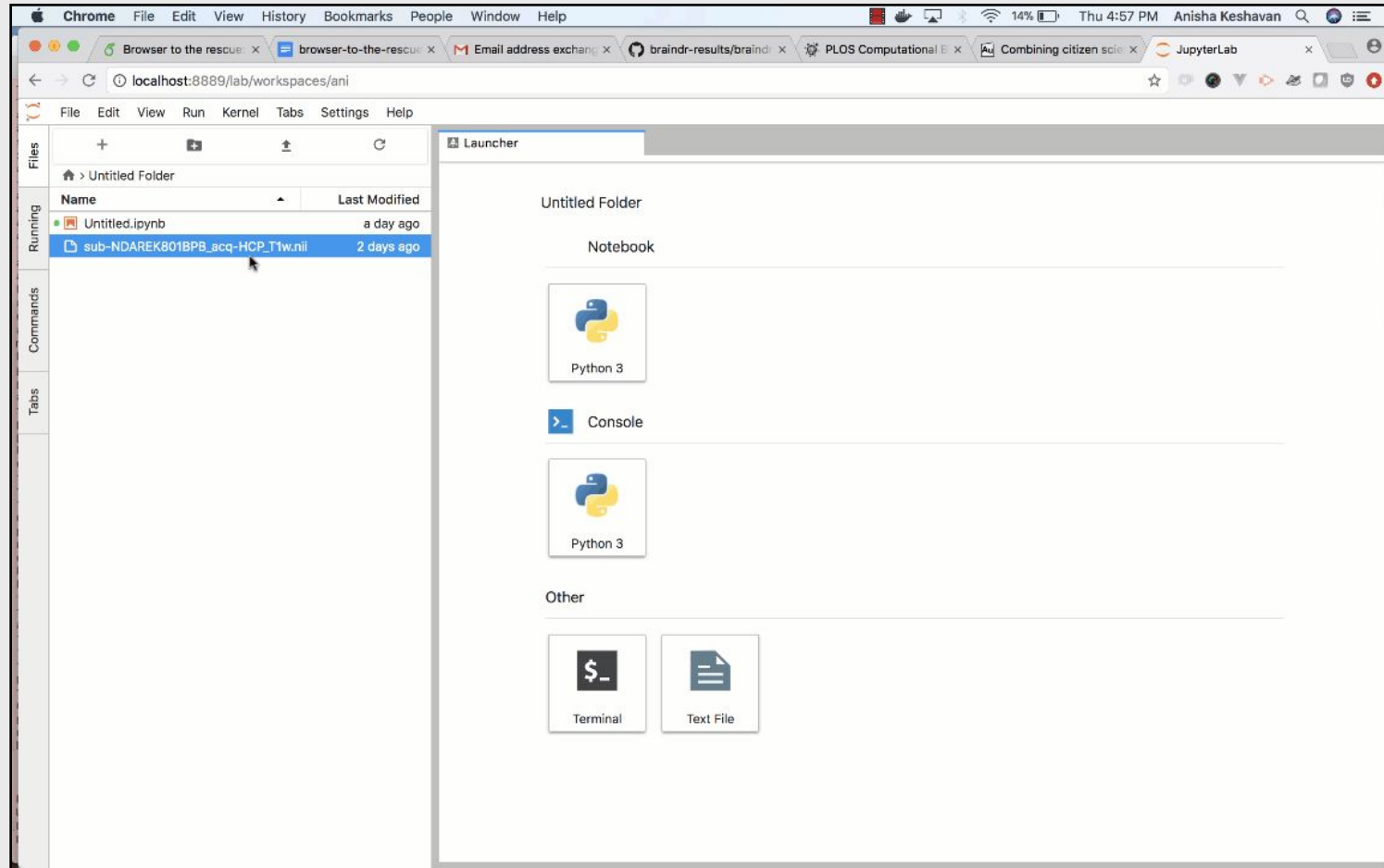
Huge Team Effort!

C. Colbert, S. Corlay, A. Darian, B. Granger,
J. Grout, P. Ivanov, I. Rose, S. Silvester, C.
Willing, J. Zosa-Forde ...



Bloomberg

Community-extensible: Neurohackademy 2018



JupyterLab update

JupyterLab is the next-generation web-based user interface for Project Jupyter.

- 1.0.0 was released on June 28, 2019
- Currently at version 1.1.4
- Extension Development Changes



JupyterLab update

Some interesting extensions:

- *jupyterlab-data-explorer*
- *jupyterlab-toc*
- *jupyterlab-git*
- *And much more, check:*

<https://github.com/topics/jupyterlab-extension>



JupyterHub update

*Host pre-configured data science environments
on shared infrastructure*



jupyter.org/hub



JupyterHub 1.0



- Better docs on best practices / configuration
- Z2JH ships with better scaling

blog.jupyter.org/announcing-jupyterhub-1-0-8fff78acad7f

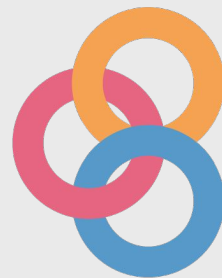


The Littlest JupyterHub

*A simple JupyterHub distribution for a small (0-100)
number of users on a single server.*

tljh.jupyter.org





Turn a Git repo into a collection of interactive notebooks

Have a repository full of Jupyter notebooks? With Binder, open those notebooks in an executable environment, making your code immediately reproducible by anyone, anywhere.

Build and launch a repository

GitHub repository name or URL

GitHub ▾

Git branch, tag, or commit

Path to a notebook file (optional)

File ▾

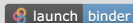
launch

Copy the URL below and share your Binder with others:

Fill in the fields to see a URL for sharing your Binder.



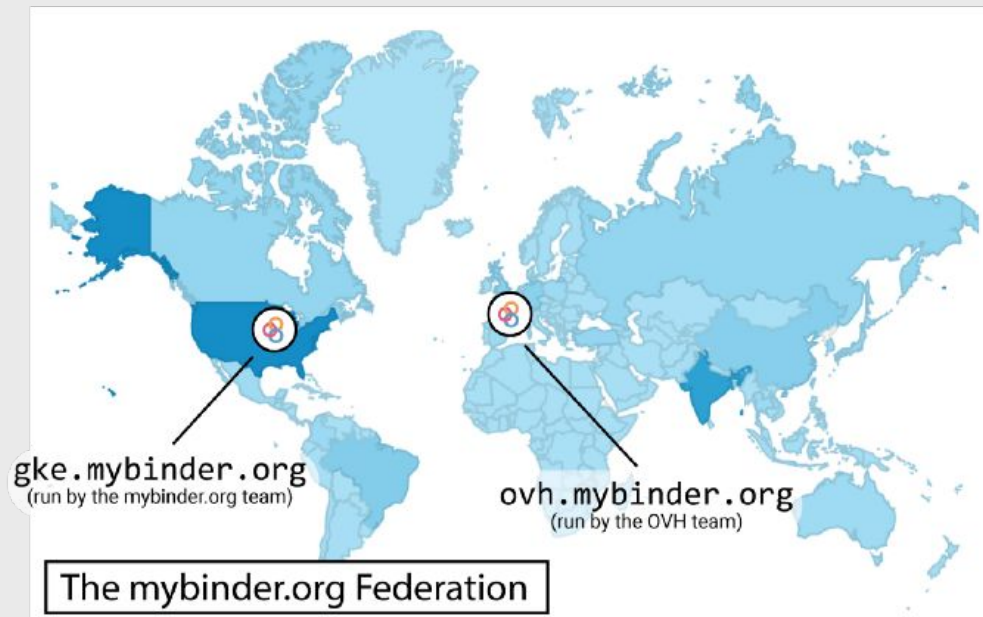
Copy the text below, then paste into your README to show a binder badge:



mybinder.org



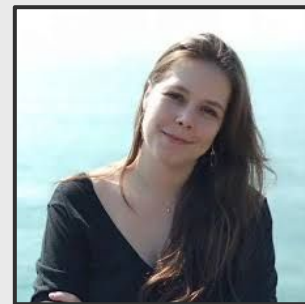
The Binder Federation



blog.jupyter.org/the-international-binder-federation-4f6235c1537e



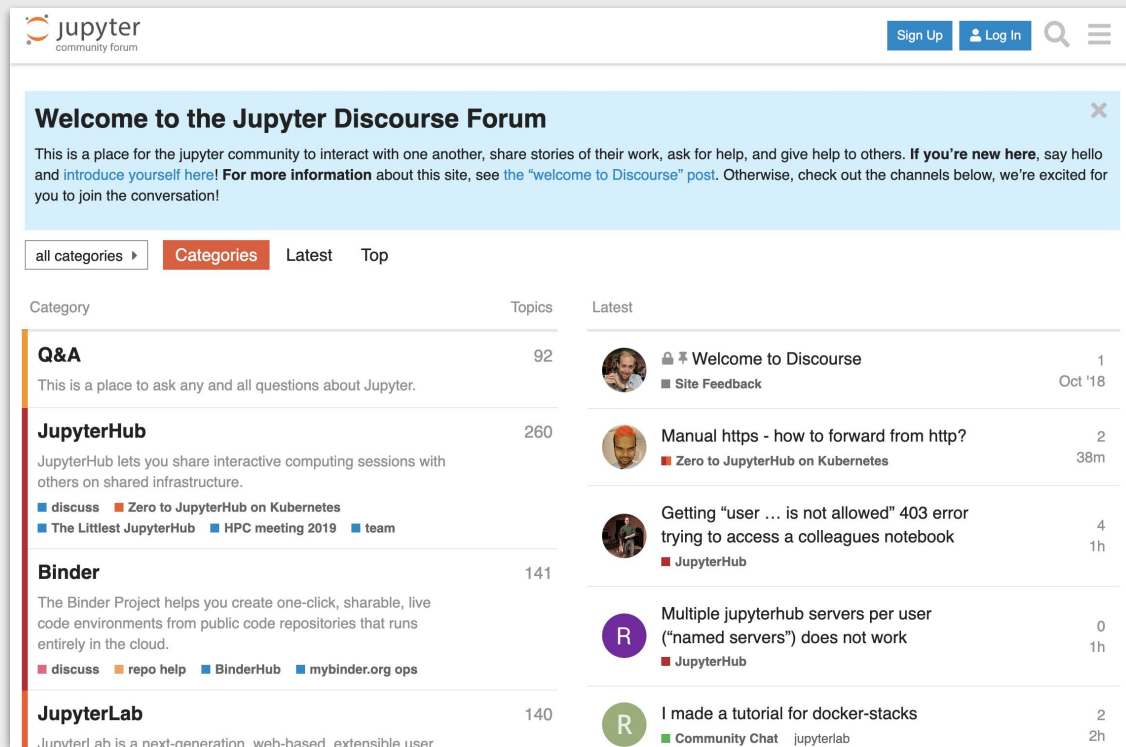
Outreachy projects



blog.jupyter.org/outreachy-jupyter-supporting-diversity-in-open-communities-dfa78db4b0bd



Communication



The screenshot shows the Jupyter community forum interface. At the top, there's a navigation bar with the Jupyter logo, 'Sign Up', 'Log In', a search icon, and a menu icon. Below this is a light blue banner with the title 'Welcome to the Jupyter Discourse Forum' and a close button. The banner text reads: 'This is a place for the jupyter community to interact with one another, share stories of their work, ask for help, and give help to others. If you're new here, say hello and [introduce yourself here!](#) For more information about this site, see the ["welcome to Discourse" post](#). Otherwise, check out the channels below, we're excited for you to join the conversation!'

Below the banner, there are tabs for 'all categories', 'Categories' (selected), 'Latest', and 'Top'. The main content area is divided into two columns. The left column lists categories with their descriptions and topic counts:

Category	Topics
Q&A This is a place to ask any and all questions about Jupyter.	92
JupyterHub JupyterHub lets you share interactive computing sessions with others on shared infrastructure. ■ discuss ■ Zero to JupyterHub on Kubernetes ■ The Littlest JupyterHub ■ HPC meeting 2019 ■ team	260
Binder The Binder Project helps you create one-click, sharable, live code environments from public code repositories that runs entirely in the cloud. ■ discuss ■ repo help ■ BinderHub ■ mybinder.org ops	141
JupyterLab jupyterlab is a next-generation web-based extensible user	140

The right column shows a list of recent topics under the 'Latest' heading:

Topic	Replies	Time
Welcome to Discourse ■ Site Feedback	1	Oct '18
Manual https - how to forward from http? ■ Zero to JupyterHub on Kubernetes	2	38m
Getting "user ... is not allowed" 403 error trying to access a colleagues notebook ■ JupyterHub	4	1h
Multiple jupyterhub servers per user ("named servers") does not work ■ JupyterHub	0	1h
I made a tutorial for docker-stacks ■ Community Chat jupyterlab	2	2h

<https://discourse.jupyter.org/>

A few related projects

[ipy]widgets

ipywidgets.readthedocs.io

nbgrader

nbgrader.readthedocs.io

nbviewer

A simple way to share Jupyter Notebooks

nbviewer.jupyter.org

RISE

Reveal.js - Jupyter/IPython Slideshow Extension

rise.readthedocs.io

voilà

blog.jupyter.org/and-voilà%C3%A0-f6a2c08a4a93

And many more...

The end

