Jupyter and Anaconda

From Open Source to Open Innovation

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IPython: Productive Interactive Computing

IPython provides a rich toolkit to help you work productively with Python interactively. Its main components are:

- Powerful interactive Python shells (terminals)
- Support for interactive data visualization
- Flexible, embeddable interpreters to lead sessions
- Tools for high-level and interactive parallelism

IPython is open source (licensed under the BSD, which is used by a range of other projects. The typical modules have been given about ipython provide a good overview of its workings.

IPython supports Python 2.6 to 2.7 and 3.3 and 3.4. Our older 0.10 series supports Python 2.5, 2.6, 2.7, and 3.3.

Announcements

- IPython 0.11: We're pleased to announce the release of IPython 0.11, a major new version. At the release party, we'll have live coding and a Q&A panel. For more information, check out the IPython website.

The Jupyter Notebook

The Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations, and explanatory text. Uses include: data cleaning and transformation, numerical simulation, statistical modeling, machine learning and much more.

At JupyterCon, discover how to scale analytics to create business value from data—and transform your organization.

Featured speakers
“Crossing the Chasm”
“Crossing the Chasm”
Tech giants, chastened by Heartbleed, finally agree to fund OpenSSL

Why Is NumPy Only Now Getting Funded?
by Gina Helfrich | Jan 27, 2017

Recently we announced that NumPy, a foundational library for scientific computing with Python, had received its first ever grant funds since the start of the project in 2005. Community interest in this announcement was massive, making our website traffic over 100% annual. The question most asked was a single word: What do we do with that money?

So becomes the question we were excited to answer with a Kickstarter-style blog post. A small group of a few hundred euros was sent to NumPy founder Travis O. We also pitched the idea of a larger contribution of a few thousand euros to NumPy, which was supported through NASA funding at the Scientific and Technical Institute, development time was used by NumPy's development team.

Wes McKinney @wesm McKinney, for example, pointed out on Twitter that NumPy and NumPy's pro-activity project were supported through NASA funding. Wes McKinney, a research scientist at NASA, is an active contributor to the NumPy project and spends time developing NumPy, as well as maintaining libraries and other resources.

Respecting the NumFOCUS @numfocus endorsement

Without the huge sacrifices of Travis O, Eric J, Fernando P, John Hunter, and many others, things might have gone a different way.

Update: Feb. 9, 2005, 10:30 AM | 14 Jan 2017

Support NumFOCUS
Funding digital infrastructure

This week, a group of funders got together in Philadelphia, for the first time, to discuss software infrastructure.

We had a range of funders in the room, from philanthropic foundations (Omidyar Network, Sloan Foundation, Media Democracy Fund) to software foundations (e.g. Mozilla Open Source Support, Linux Core Infrastructure Initiative) to funders with a more private (Union Square Ventures) or public (Open Technology Fund) flavor.

I was keenly aware, coming into the conversation, that we all had very different backgrounds and even definitions of the problem. It turned out we had more in common than I realized.

Here’s a recap of what we discussed.

What is digital infrastructure, anyway?

For the most part, everybody seemed to agree that infrastructure, for the digital age, was:
ANAconda Enterprise
Enterprise-Ready Data Science Platform

Collaboration  Reproducibility  Deployment
Security  Scalability  Governance

ANAconda Distribution
The Most Trusted Python Distribution for Data Science

...and many more!