

Open Source in Quant Finance

Taking part in a Revolution

Yves Hilpisch

Frankfurt/Eschborn, 05. June 2015



Feel free to take pictures and to tweet.

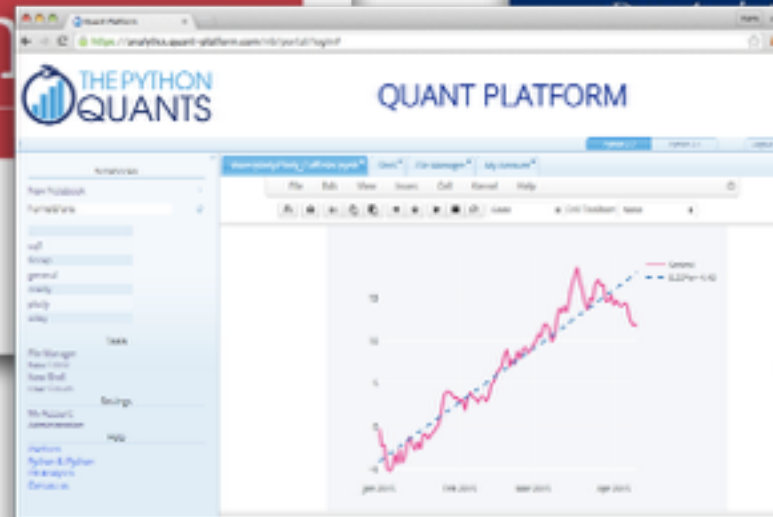
@dyjh @dataparkio

**#Python #QuantFinance #Finance
#opensource #osqf**

Python

Quant

Warrior



The Usual Disclaimer

Brought to you via [amazon.com](https://www.amazon.com)

2 of 4 people found the following review helpful

★☆☆☆☆ **Nothing very interesting (be careful some reviews probably fake)**

By [Delpacho](#) on May 18, 2015

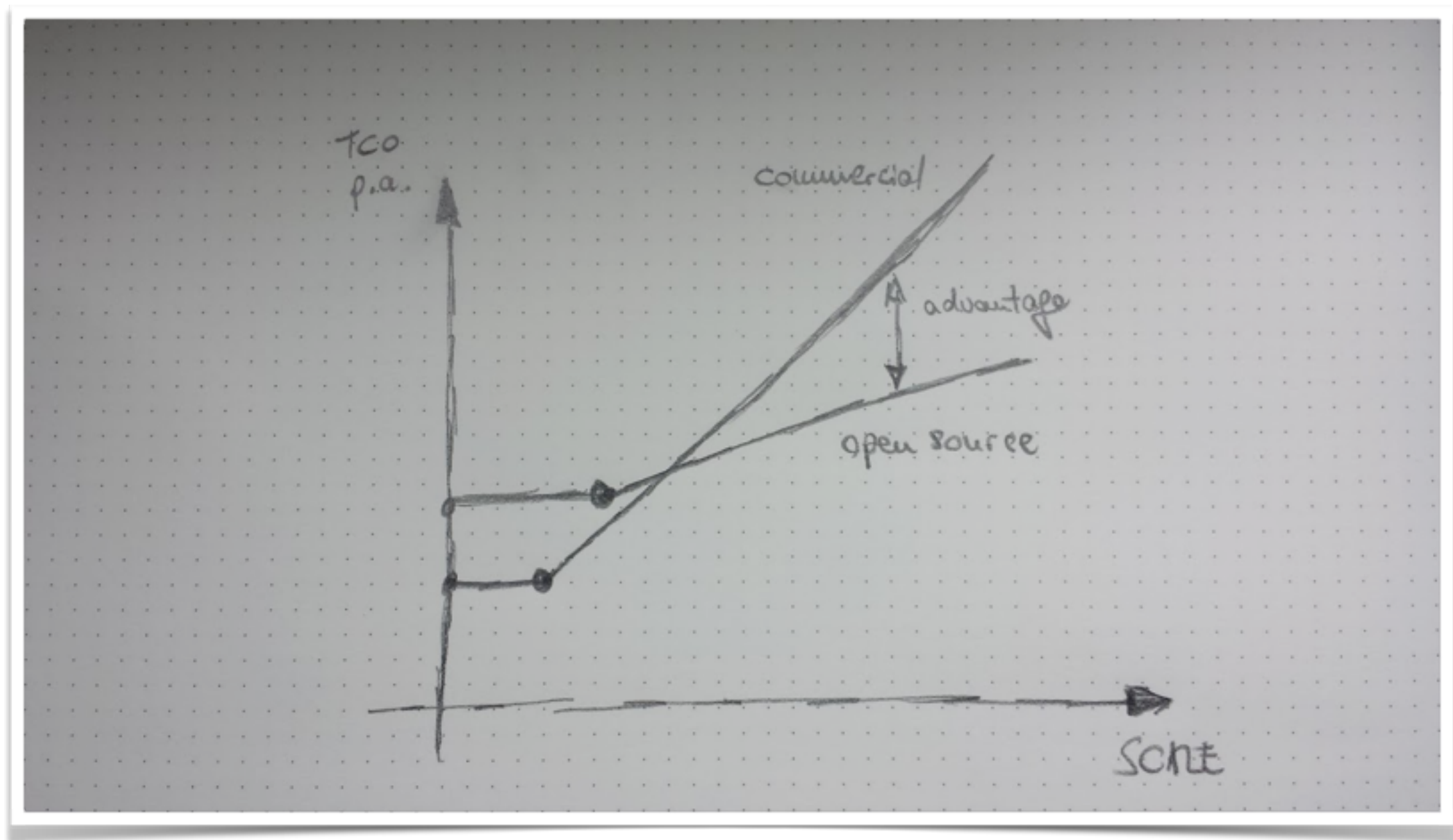
Format: Paperback

For a book named "Python for Finance" you would expect some real insight and practitioner examples. I found none! The author, Yves Hilpisch, writes a book on finance but has no actual finance experience therefore the examples look like they were given for an undergrad class entitled "financial engineering 101".

Also I noticed some reviews look suspicious on the UK and US amazon.

The Licensing Trap

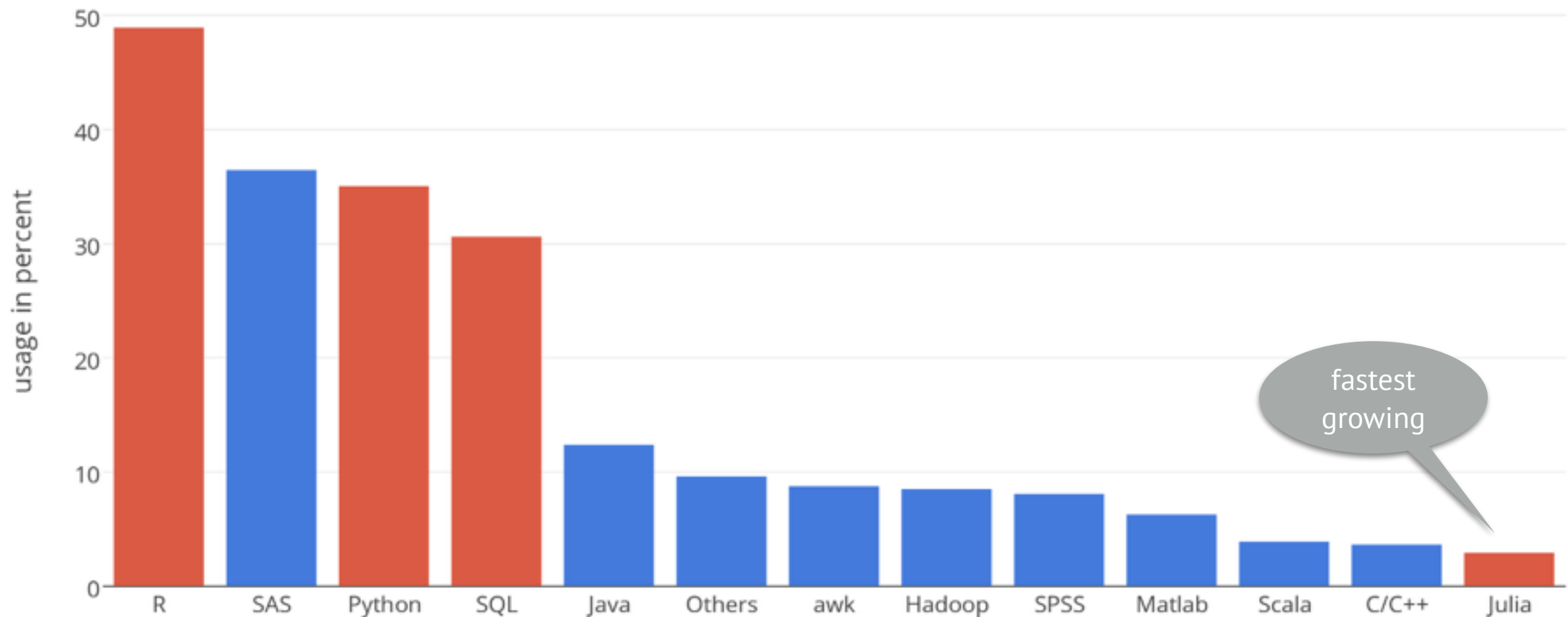
Commercial Solutions vs. Open Source



Open Source Data Science

Open Source languages dominate already data science

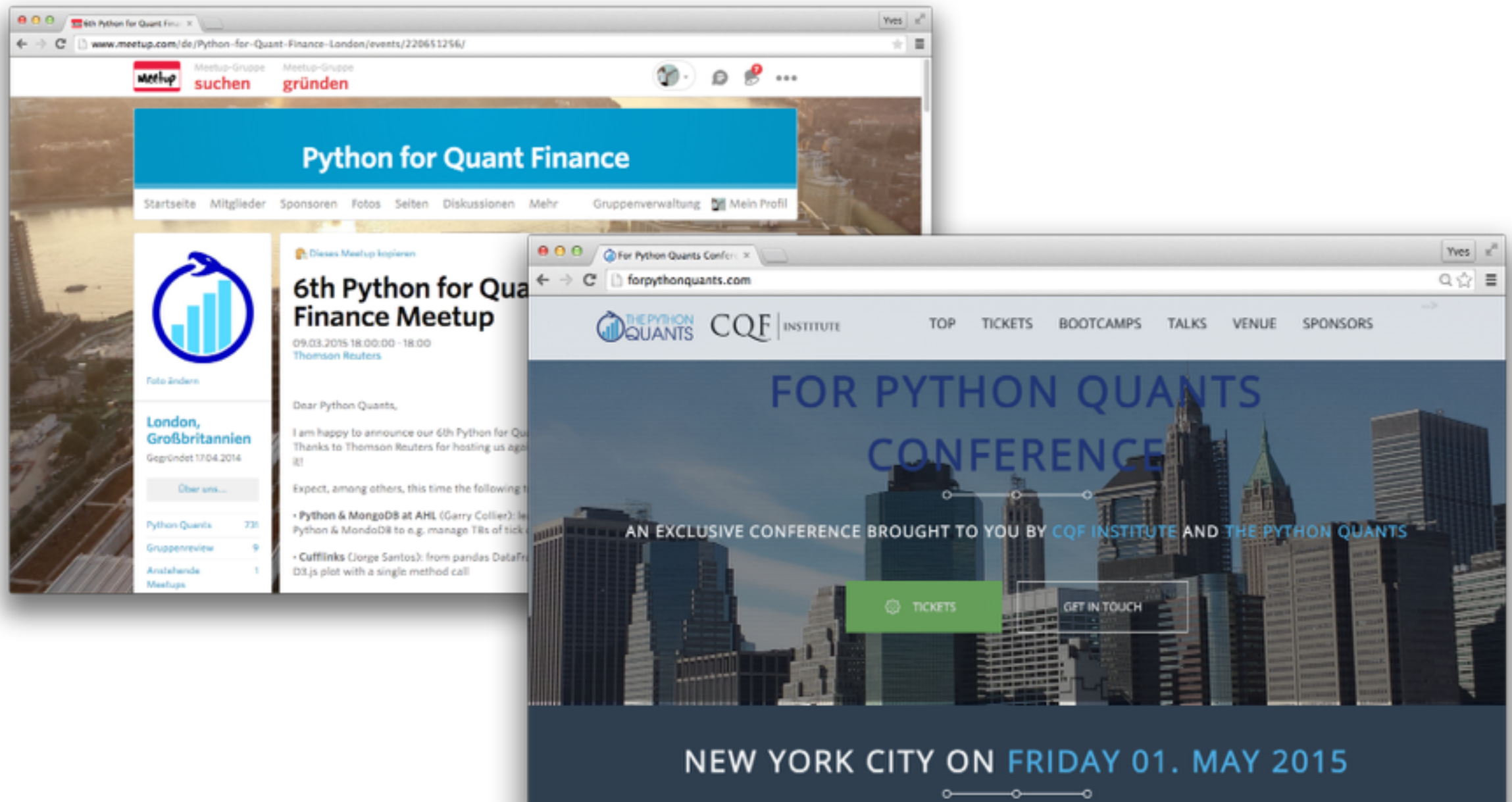
Data Science Languages



Poll data from August 2014. Source: <http://www.kdnuggets.com>

Meetups & Conferences

The Open Source world has become “social & hip”



Open Source & Open Data

Freely available data sets complement free software



Today's standard is “open source”,
even for key technologies.



More and more data sets
are “open and free”.

The Cloud

... has finally become the reference infrastructure



Individuals and institutions store more and more data in the cloud.



Infrastructure is a standardized commodity, billed by the hour.

Python for Strategic Marketing

Using Python to communicate quantitative concepts



The screenshot shows a web browser window with the address bar displaying `eurexexchange.com/advanced-services/`. The page features a dark blue header with the Eurex logo and a search bar. The main content area is white and contains a 'Table Of Contents' sidebar on the left, a 'Eurex Advanced Services' section with a welcome message and a list of services, and a 'Python-based Tutorials' section with a description of Python and a list of tutorials. The footer is dark blue and contains links to 'Disclaimer', 'Privacy policy', 'Imprint', 'Rules and Regulations', and 'Sitemap'.

Table Of Contents

- > Eurex Advanced Services
- > Python-based Tutorials
- > Backtesting Applications
- > Quant Platform

Eurex Advanced Services

Welcome to the Eurex Advanced Services for the **VSTOXX and related derivatives** as well as for the **Variance Futures Contract**.

The Eurex Advanced Services provide you with a **comprehensive set of background information and tools**, among others:

- Python-based technical **tutorials**
- two **backtesting applications**
- executable IPython notebooks via the **Quant Platform**

Python-based Tutorials

Python (cf. <http://www.python.org>) is an open source programming language with a powerful scientific ecosystem of tools and libraries that becomes increasingly important in the financial industry and the financial and data analytics space in particular.

There are two **Python-based tutorials** available:

- **VSTOXX Advanced Services** under <http://www.eurexexchange.com/advanced-services/vstoxx/>
- **Variance Advanced Services** under <http://www.eurexexchange.com/advanced-services/variance/>

These tutorials provide theoretical and product-related background information, numerical examples and practical Python implementations.

Disclaimer | Privacy policy | Imprint | Rules and Regulations | Sitemap

Open Source Usage

... is not always straightforward



Lowering the Barriers

Bringing formal education in this field to the next level



In addition:

Success Stories – as presented today

Right Deployment Strategy – my final talk

The Python Quants GmbH

Dr. Yves J. Hilpisch

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