

# Python Quant Platform

Web-based Financial Analytics and  
Rapid Financial Engineering with Python

Yves Hilpisch



The **Python Quant Platform** offers  
Web-based, scalable, collaborative  
financial analytics and  
rapid financial engineering for  
individuals, teams and companies.

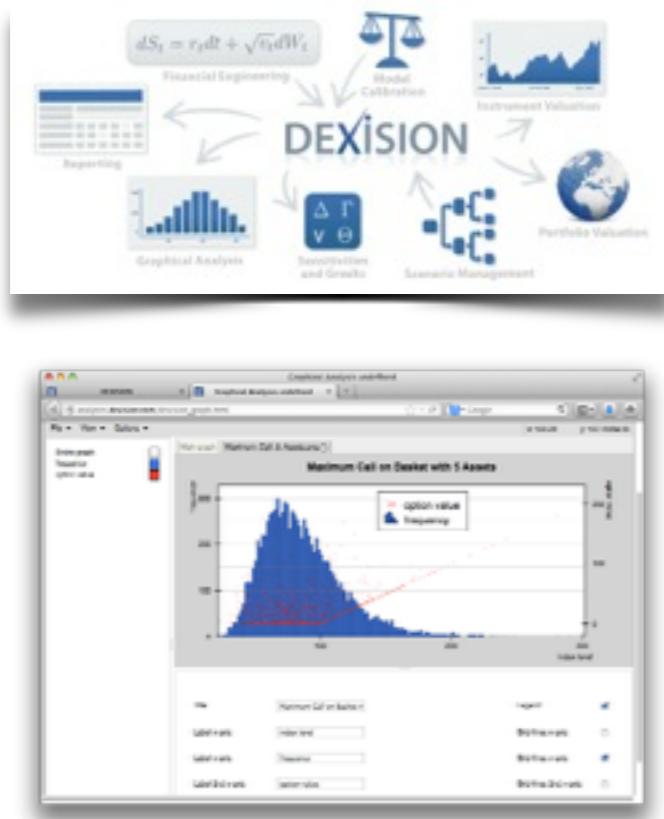
It is for all those using  
Python for Quant Finance.

<http://quant-platform.com>

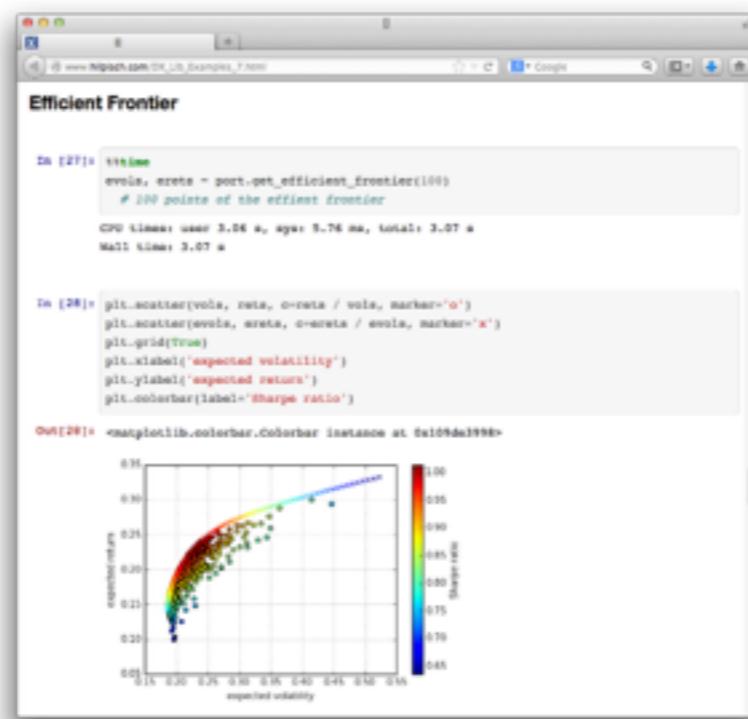
# Python Quant Platform

## The Analytical Core Components

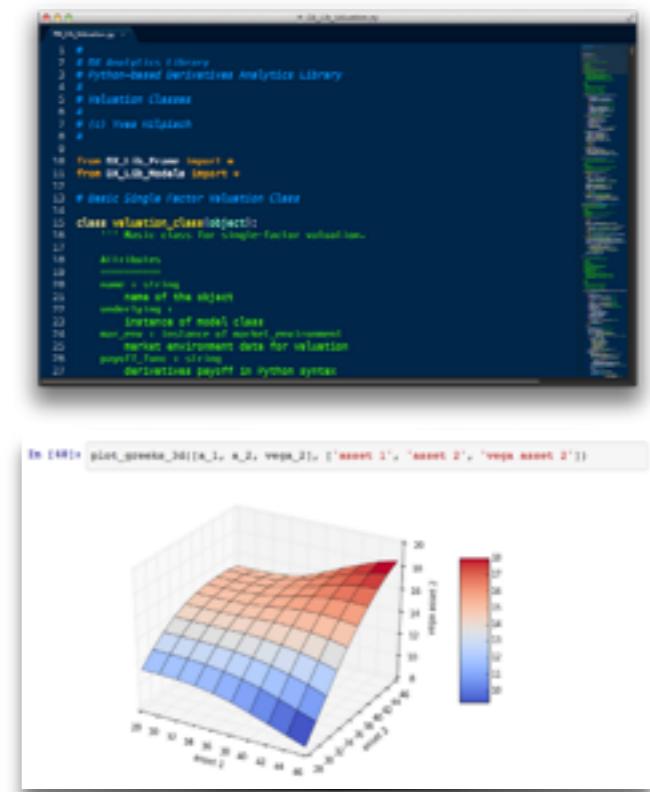
**DEXISION**  
GUI-based  
Financial Engineering



**IPython**  
Interactive, Python-based  
Financial Analytics



**DX Analytics**  
Python-based  
Analytics Library



# Python Quant Platform

## Python for Financial Analytics

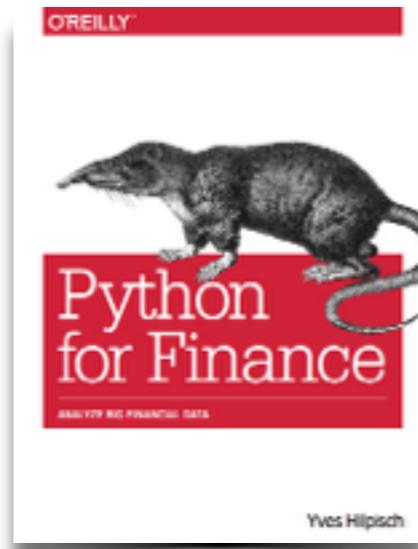
**Python**  
Full-Fledged  
Python Stack



**Anaconda**

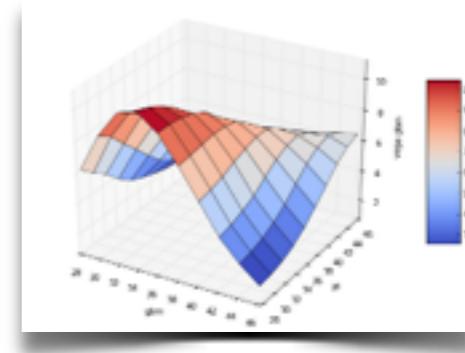
NumPy, SciPy,  
pandas, PyTables  
h5py, matplotlib,  
IPython, numexpr  
Cython LLVM, LLVMpy  
Numba, Scikit-learn,  
many more

**Python for Finance**  
Python Financial  
Analysts/Developers



IPython Notebooks about  
the use of Python for Finance,  
e.g. for trainings

**Work Flows & Apps**  
Derivatives, Portfolio,  
Trading, Risk, Analysis



Derivatives Pricing  
Portfolio Management  
Quantitative & Algo Trading  
Strategy Backtesting  
Quantitative Research  
Time Series Analysis  
Value-at-Risk, CVA  
Bayesian Statistics

## The Python Quant Platform uses:

- standard **Linux** server
- **Python** for back-end
- **jQuery** for front-end

## Status:

- **8 weeks in**
- **pre-alpha**
- **internal use**

<http://quant-platform.com>

**The Python Quant Platform** comprises so far:

- **IPython Notebook/Shell**
- **File management**
- **Browser-based shell access to the server**
  - Vim editing
  - Git integration
  - ...
- **Chat room**
  - user profiles
  - discussions
  - file sharing
- **User Administration**
  - rights and roles (application & Linux)
  - for files, directories (eg public vs. private)

<http://quant-platform.com>

# The Python Quants GmbH

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