Python Quant Platform

Web-based Financial Analytics and Rapid Financial Engineering with Python

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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](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

http://quant-platform.com
**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

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

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

- 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

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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)

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