

Learning Bytes  
by Byte Academy

**EXPLORING NATURAL  
LANGUAGE PROCESSING  
(NLP)**

With Interactive Brokers



**Part II Learning Bytes Series**

**I.II.2018**

# Intro to Byte Academy

Producer of Learning Bytes Series

- Industry focused education leader with full, part-time, remote + corporate training programs
- Known for its FinTech program, the first of its type
- **1st Python Fullstack Full-Time Program in NYC**
- Programs in Data Science, Quant Algos, Blockchain, more



# Meet Our Expert Leading the Webinar



Kenso Trabling - Python and Data Science Instructor at Byte Academy New York

Will use iPython notebook

International: previously software engineer for the UN and launched Byte Academy programs in India; lead developer for edChain, blockchain for education



# Tutorial Overview

How to use NLP to programmatically trade?

We'll discuss the significance of NLP for the Quant industry and finance with a discussion of use cases and tips in Python

- Overview of Quant industry
- Our approach
- Successes
- Obstacles
- Use Cases
- Next steps
- Future learning



# Questions during the webinar?

- Use questions section of controlpanel
- We'll try the best to answer your questions at the given time
- **More questions or follow-up?**
- Visit Byte Academy slack (to join go to [www.byteacademy.co](http://www.byteacademy.co) + click righthand icon)
- Enroll in classes [www.byteacademy.co](http://www.byteacademy.co)
- Email [info@byteacademy.co](mailto:info@byteacademy.co)



# Use Cases - Who's Using Quant Algo?

Banks, Hedgefunds, more ...



# In The News



Quantopian

**First Pile of Steven Cohen Cash  
Handed Out to Quantopian  
Amateur Coders**  
by Dani Burger  
April 6, 2017, 11:00 AM EDT

"Quants: The Rocket Scientists  
Of Wall Street"

-- Investoped

**\$40 B**

Under manage  
+ DE Shaw, leading

Business

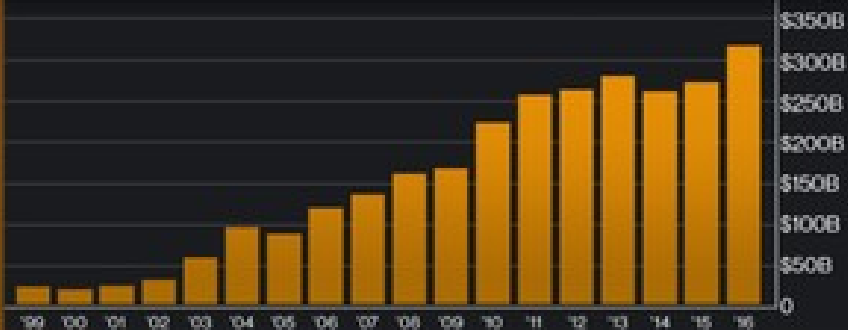
## Trading places: the rise of the DIY hedge fund

Quantitative analysts traditionally trade at a desk in a city's financial district. But a new generation of quants is turning the \$300bn industry on its head with home-grown algorithms



### SYSTEMATIC GROWTH

Assets under management swell for quant traders



Bloomberg

Source: BarclayHedge Ltd.

**Now Starting Tutorial using iPython...**

# **Exploring Natural Language Processing**

**with Kenso Trabling, Byte  
Academy**



# Want to learn more?

Check out our blogs on the Interactive Broker's website  
Enroll in one of our classes or workshops both onsite and online

*meetup*

Attend one of our meetups

Contact us about partnering and/or hiring developers

Train your team with our corporate training programs

We welcome questions about our curriculum,  
hiring developers + partner opportunities

# Educational Offerings

Full, Part-Time, Remote programs for all skill levels at [www.byteacademy.co](http://www.byteacademy.co)

## Offerings



### Data Science

Learn data acquisition, data analysis, Pandas, prediction and machine learning, statistical modeling, Hadoop, SQL, NoSQL and more.



### Python Fullstack Development

Full-stack software development with Python, JavaScript, SQL, HTML, CSS, Flask & Django.



### Fintech/ BlockChain

Learn finance & fundamentals of full-stack software development and apply it to real-world Fintech or BlockChain project.



### Quant Algos

Become a Rocket Scientist of Wall Street  
earn how to model time series for all industries

# Contact



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[info@byteacademy.co](mailto:info@byteacademy.co)



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Byte-Academy-Finance-and-Technology-community



Byte-Academy-Finance-and-Technology-community  
[byteacademy2.slack.com](https://byteacademy2.slack.com)



THANK YOU

# Byte Academy

lab for learning

**Bloomberg  
Business**

**# 1** FinTech coding school in the world  
NYC Python Software Dev bootcamp  
Data Science | MedTech | Blockchain |  
Quant Algo |

**Developers Are  
Flocking to Blockchain  
Bootcamps**

**15,000**   

Community members *Meetup*

**New boot camp targets financial technology**  
Byte Academy, the latest entry in the growing tech boot-camp field, will  
who know finance.

**2** worldwide campuses  
New York | Bangalore

**+1** remote program

 **MARKET  
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school**

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