

Geometric Progression

Creative Disruption

Fintech: A Plain English Guide

Overview

"We're witnessing the creative destruction of financial services, rearranging itself around the consumer. Who does this in the most relevant, exciting way using data and digital wins!" - Arvind Sankaran.

Fintech stands for "Financial Technology" and it encompasses a multitude of topics. It has exploded over the last few years, so much so that if you have not kept up to speed, you will be lost in all the jargon and meeting "bingo".



What makes this seminar different is that it is orientated for people who practically know nothing (or very little) about the fintech industry and need to "fast-track". Mark will explore the concept of what "fintech" means using analogies, examples, pictures and videos. Mark strips out the hype and presents an **objective** look at fintech by highlighting "the good, the bad and the ugly".

In order to understand the industry jargon, Mark will present and explain what all the key words actually mean and provide a background of the status quo and how some of the fintech initiatives solve some long standing challenges.

The core topics include:

- The ABCD of Fintech.
- The Internet of things, Big Data, Cloud computing & Quantum computing.
- Open source, Github and StackOverflow.
- "Forking" and it is not what you are thinking.
- Open Banking and it's potential.
- The world of Hacking and what it means to Fintech.
- Cryptography - hashing, hacking, encryption
- Cracking the code with live examples.
- Cryptography in Fintech.
- Artificial intelligence vs machine learning vs deep learning.
- The broad categories of AI.
- The implications of AI going forward.
- Algo trading, high frequency trading and machine learning for trading.
- Machine learning in risk management.
- The advent of RegTech and it's implications.
- The advent of InsurTech and it's implications.
- The advent of WealthTech and it's implications.
- The Advent of PayTech and it's implications.
- Blockchain and the single problem it was designed to solve.
- Getting to grips with Bitcoin, wallets, exchanges.
- Ethereum, smart contracts and the "oracle".
- Tokens, ICO's and Reverse ICO's.
- Implications on Banks, Fund Managers and Insurance.

In the spirit of fintech, delegates who attend this course will receive a hard copy and a soft copy of notes. This includes the slides, videos and many links to excellent further reading.

Geometric Progression

Creative Disruption

Level: Introduction

Duration: 1 day.

Pre-requisites: None.

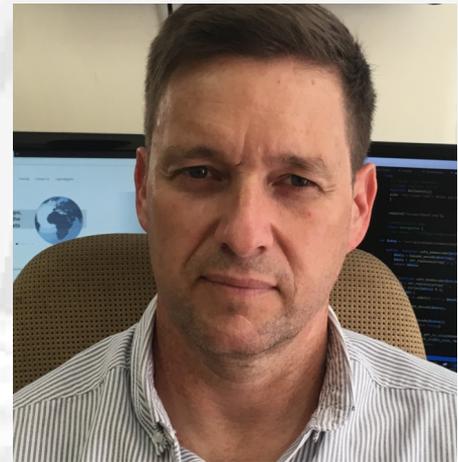
Suitable for:

- Everyone and anyone who works in a financial services industry.
- Ideal for professionals, managers and graduates who have a limited knowledge of Fintech and want a "fast track".

Tutor: Mark Raffaelli CFA,FRM

Mark is a practising CFA Charterholder and fellow member of the Global Association of Risk Professionals (FRM). Mark's extensive experience includes:

- Trading in Spot & Derivative Products professionally.
- Fund & Bank consulting regarding valuations, curves, Var, surveillance automation for Mifid II and local legislation etc.
- Development of quantitative financial models for surveillance, performance attribution, price validation, price models, risk (in particular Var) and automation.
- Developments of Apps for the investment and insurance industry.
- Mark programs in: Python, Javascript (including Angular and Ionic), Php, Excel VBA and ".net".



Those who have attended Mark's courses will know about his passion and ability to cut through jargon, simplify technical issues and provide real life examples.

What makes Geometric Progression different from other providers:

- We don't regurgitate traditional textbooks; instead we share real life experiences.
- We explain all the products as they relate to your own lives in plain English.
- We practice what we preach i.e. We are an authorised Financial Services Provider (License no:43244).
- We love multimedia and include video and film in all our courses.
- We are one of the few providers that offer advanced courses relating to the financial markets, modelling and implementation.

Comments from this Course:

- "I think this is one of the best sessions I have been to. I found the session incredibly informative and the way you explained everything was so relatable to someone who is not involved in this every day. I thoroughly enjoyed every moment of the course and I definitely felt quite excited and inspired to go and learn more."
- "This was the best training I have attended in my 3 years at ___."
- "Mark is a competent tutor who has unbelievable knowledge of the course material. Mark presents with so much passion and energy that makes attending his courses so enjoyable. This Fintech course was one of the best financial market courses that I have attended."
- "The presenter was prepared, energetic and very knowledgeable in his field. I would definitively recommend it to anyone interested in pursuing a course in Fintech."

Geometric Progression

Creative Disruption

Agenda

1. The big picture of Fintech and some jargon you need to know

- Getting to grips with Big data, IOT and its impact.
- Cloud computing.
- CPU, GPU, TPU & ASIC - what it means and how it relates to Fintech.
- Quantum computing.
- The ABCD of Fintech and what it encompasses.
- Open source, peer to peer, Github and StackOverflow
- "Forking" and it is not what you are thinking.
- Open Banking

2. Hacking and Cryptography

Cryptography is the "crypto" part of cryptocurrencies and is worthwhile looking at!

- The world of Hacking and types of hacks.
- Hashing versus encryption.
- Encryption techniques (no math just pictures and plain English).
- SHA, RSA encryption and Enigma.
- Cracking the code.
- Cryptography in fintech.
- Examples of how it can all gone wrong!
- Global standards regarding Cyber security.

Mark will use many pictures to explain all of the above in plain English without delving into any detailed math.

3. Artificial Intelligence & Machine Learning

- AI vs Machine Learning vs Deep Learning: What's the difference?
- The broad categories of AI.
- The implications of AI going forward.
- AI and machine learning in Fintech. We will explore
 - Algo trading, high frequency trading and machine learning for trading.
 - Machine learning in risk management.
 - The advent of RegTech and it's implications.
 - The advent of InsurTech and it's implications.
 - The advent of WealthTech and it's implications.
 - The Advent of PayTech and it's implications.

4. Blockchain, Crypto's and ICO's

- How Cypherpunks and Satoshi solved a very important problem.
- Understanding how existing payments currently work and "fiat" money.
- The rise of Bitcoin and blockchain.
 - Exactly what is Blockchain and is it really game changing?
 - Distributed ledgers and databases
 - Getting to grips with Bitcoin, wallets & Exchanges.
- Mining and proof of work.
- The traditional selling points of Crypto's and the downside.
- Ethereum, smart contracts and the "oracle".
- Segwit and the speed problem.
- Tokens & ICO's, and Reverse ICO's.
- Illegal practices used in crypto trading.
- Implications on Banks, Fund Managers and Insurance.

Geometric Progression

Creative Disruption

Some clients who have attended our Public Training



Email: mark@gpifm.com
 Web: www.gpifm.com
 Tel: 021 794 8332

Authorised Financial
 Services Provider
 License No: 43224



Geometric Progression

Creative Disruption

Terms and Conditions

Disclaimer:

Geometric Progression reserves the right to change or cancel any part of the training courses due to unforeseen circumstances.

Cancellations:

If you cancel more than 14 working days before the course date, there is no cancellation fee. If you cancel between 2 and 14 days before the course date, a cancellation fee of 50% will be charged. Any cancellation less than 2 days before the course date will result in the full fee being charged i.e no refund. NO REFUNDS FOR "NO SHOWS".

Substitutions:

Registered delegates may be substituted at any time prior to the seminar **without** incurring any additional fee. Please inform Geometric Progression of the change.

Payments:

Payments must be made prior to the running of the event unless otherwise agreed with Geometric Progression.

Geometric Progression reserves the right to cancel the course. Registered delegates will be notified and a full refund will be made.