



Geometric Progression

Innovate, Implement, Inspire with AI.

ChatGPT & Other ChatBots in 3 hours.

Embark on a journey of discovery with our thrilling and immersive ChatGPT seminar. This dynamic course promises to deliver a comprehensive, jargon-free introduction to the world of AI, focusing on the groundbreaking ChatGPT. Presented in a live, online format, the class is crafted to ensure an interactive and engaging learning experience, no matter where you are in the world.



Spanning a generous 3-hour session, inclusive of a 15-minute break to recharge your cognitive batteries, our intensive course aims to equip you with the essentials of AI, while shedding light on the intriguing world of large language models (LLMs) and how ChatGPT fits into this landscape. This course is designed for absolute beginners as well as seasoned tech-enthusiasts looking to understand and harness the power of AI tools like ChatGPT in their professional and personal lives.

During this journey, we'll kick-start your knowledge of AI, "Deep learning" and "Large Language Models" with simplified explanations. You'll delve into the functionality of ChatGPT, understanding its inputs, outputs, and the concept of 'Prompts'. We'll guide you through the fascinating process of crafting effective business prompts, utilizing ChatGPT for a multitude of tasks. **Please refer to the detailed agenda (included) for more information.**

Stay ahead of the AI game with our exploration of other "cool" AI apps and open-source alternatives, and delve into the future with our insights into where AI is headed.

Your Masterclass journey doesn't end with the course! As a delegate you will also get:

- **Ongoing access to the full course online and the latest material**, ensuring you are always up-to-date with changes.
- Exclusive access to a dedicated website filled with the latest articles, videos, links, and resources.
- Handy **cheat sheets** to act as a quick reference guide.
- A comprehensive collection of electronic notes with prompts, minimizing your typing time.
- Enlightening sections on open-source LLMs, Google Bard, Bing, and more.
- Details of the ChatGPT api, AutoGpt, Langchain and more!
- Details of other AI Apps & extensions which are worth looking at.

As we explore the landscape of AI, we won't shy away from discussing the associated risks and ethical concerns. Is your job safe in the wake of AI? What is the big deal regarding AI ethics? We'll tackle these questions and more, providing a well-rounded view of the AI world.

Join us in this enlightening Masterclass as we navigate through the riveting world of ChatGPT and beyond! Reserve your spot today and step into the future of AI!



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Duration:

A total of 3 hours separated by a 15 minute break. Time is built in for questions and Mark will also make himself available after the course for questions.

Pre-requisites:

None. Delegates will be sent online details with instructions of how to log onto the respective sites and sign up before the course to avoid delays. Delegates will also receive a document to allow them to copy and paste prompts to save them from having to type.

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:

- Development of quantitative financial models for surveillance, performance attribution, price validation, price models, risk and automation.
- Developments of Apps for the investment and insurance industry.
- Machine Learning and Deep Learning with Sklearn and Tensorflow in the Financial Markets for Banks, Asset Managers and general business.
- Trading in Spot & Derivative Products professionally.
- Fund & Bank consulting regarding valuations, curves, Var, surveillance and market abuse.
- Mark programs in: Python, Javascript (including Angular and Ionic), Php, Excel VBA, JAVA & ".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.

Comments from some of our AI Courses:

- "Exceptional and comprehensive overview especially considering the time frame of a 1 day session."
- "I found the course easy to follow and you don't need to be a techie. The volume of the material shared was huge so at the end of the day I was pretty tired trying to absorb all the information. However, everything was quite valid, insightful and useful."
- "Thanks Mark - Great Course. You have scared me into action."
- "Awesome Mark. You will see me at your machine learning workshops."

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.
- 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.



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Detailed Agenda

1. The stuff you need to know before we start.

- Very briefly, what is AI, ANI, AGI, ASI?
- Machine learning and Deep learning explained in plain English.
- "Large Language Models" (LLM's) explained in plain English.
- How does ChatGPT fit into this?
- What is a "Token" vs "Parameters"?
- What are the other models out there?

2. Interacting with ChatGPT

- Logging onto the free version. (Videos will be made available before the course to show delegates how to register and log-on so that we can "hit the ground running" when the course starts.)
- The difference between free and premium.
- Understanding inputs and outputs.
- Settings and conversations.
- Limitations and accuracy warnings of ChatGPT.
- Having fun with ChatGpt.

3. Prompts and the concept of Prompt Engineering

- Common business prompts and how to craft them.
- The core Elements of a "good" Prompt.
- Zero, one & few shot prompting.
- Using ChatGPT for brainstorming, content generation, summarizing, translation and more.
- Using ChatGPT to enhance Excel, Outlook, PowerPoint, and Word tasks.
- How ChatGPT can assist with market research, analysis, and decision-making.
- Using ChatGPT to assist with data interpretation, forecasting, and report writing.
- How ChatGPT can assist with compliance.
- How ChatGpt can assist with programming.

NOTE: All the all prompts will be made available as electronic notes allowing users to copy and paste in order to minimise typing time.

4. ChatGPT API, Your Own ChatGPT, Other AI Apps & Extensions!

- What is the ChatGPT API?
- Customizing your own personal ChatBot.
- AutoGPT & Langchain.
- Some very 😎 cool 😎 AI apps and Extensions to look out for!

5. Google Bard, Bing and Open Source Alternatives.

- A brief overview of Google Bard and it's use.
- A brief overview of Bing "AI".
- A brief overview of Anthropic's "Claude 2.0".
- A brief overview of Meta's "Llama 2.0".
- Open Source Alternatives.
- Huggingface

6. Risks & Ethics of AI ad where is it all going?:

- What is the big deal regarding the Ethics of AI?
- What are Risks of AI to me personally?
- Is my job safe?
- Where is it all going?