

Basic LLMs Training Programme for Business People

This training is targeting people who don't have programming skills. This comprehensive training on Large Language Models equips participants with the skills to customise existing language models effectively. Attendees will gain proficiency in areas like models like advanced prompting, context injection and fine-tuning, enabling them to create custom models without the assistance of a software engineer.

5 MODULES OF 6 HOURS EACH – 1 BUSINESS WEEK (MON-FRI)

START DATE: MARCH 25, 2024 – PRICE: 3000€.

History of Language Models

4 hours interactive lecture

State-of-the-art of LLMs

2 hours lecture + 6 hours workshop

Current state-of-the-art Large Language Models (LLMs) like OpenAI GPT, Anthropic Claude, Meta LLaMA and others represent significant advancements in natural language understanding and generation. These models, built on transformer architectures, have demonstrated remarkable abilities in generating coherent and contextually relevant text. This session will delve into the latest achievements in LLMs, including their capabilities in various NLP tasks such as translation, summarisation, and question-answering. We'll also discuss the ongoing research challenges, such as improving model efficiency and handling nuanced language understanding. The session aims to provide a comprehensive overview of where LLM technology stands today and its potential future trajectory.



PI SCHOOL

MACHINE INTELLIGENCE
MEETS HUMAN CREATIVITY

Advanced Prompting

2 hours lecture + 4 hours workshop

Advanced prompting techniques enable more effective interactions with LLMs, enhancing their ability to generate desired outputs. This training segment focuses on crafting prompts that leverage the model's strengths and mitigate limitations. We'll explore strategies like prompt engineering, which involves structuring input text to guide the model towards specific types of responses. Additionally, we'll cover techniques for iterative refinement of prompts, using model feedback to hone in on more accurate and relevant outputs progressively. By mastering advanced prompting, users can significantly improve the utility and precision of LLMs in various applications.

Context Injection

6 hours workshop

Context injection in LLMs is a technique to enhance the model's understanding and generation of text by providing relevant background information. This training will discuss methods to effectively incorporate context into prompts or model inputs, enhancing the relevance and accuracy of the output. We'll explore different approaches to context injection, including explicit context addition and designing prompts that implicitly guide the model to consider the desired context. This session aims to equip participants with skills to utilise context to improve LLM performance in various applications effectively.

Fine Tuning

6 hours workshop

Fine-tuning is a process of adjusting a pre-trained LLM to perform better on specific tasks or datasets. This session will cover the essentials of fine-tuning,



including selecting an appropriate base model, preparing task-specific datasets, and adjusting training parameters to adapt the model to new tasks. We'll discuss strategies to avoid common pitfalls like overfitting and how to evaluate the performance of the fine-tuned model. This knowledge is vital for anyone looking to customise LLMs for specialised applications.

