

Training - AI for Executive

Understand and implement artificial intelligence to generate concrete results in your business.

Context

With the acceleration of the innovation cycle and to remain competitive, your company must integrate artificial intelligence (AI) into its processes. Today. Your competitors are doing it, not to mention the AI-born companies that are already shaking up the business world.

But how do you prepare your business? Is it possible to take advantage of AI projects today? How to succeed with AI and deliver concrete results?

Business leaders' expectations are very high, and experts in the field are making many, many promises.

This training aims to demystify basic concepts of AI and addresses the implementation of these technologies at a business level.

« Executives need to understand that becoming an "AI company" is as much about culture and change-management as it is about dazzling technology »

- Norm Judah, Microsoft Services CTO

Duration :

1 Day

Targeted Audience

This hands-on training is aimed at business leaders, executive team members and managers looking to understand how to take advantage of artificial intelligence in their business and industry.

Objectives

- Demystify the fundamental concepts of artificial intelligence
- Learn how to start AI projects and quickly implement them in your business
- Discover concrete AI cases specific to the participants' industry
- Find the right strategy to implement and accelerate the adoption of AI in your business
- Understand how to sell AI projects to stakeholders
- Avoid common pitfalls

Content

- **Fundamentals**

Understand business concepts and main differences between artificial intelligence, machine learning, Big Data and data science.

- AI and machine learning 101
- Data science at the heart of innovation
- Concrete cases studies

- **AI in a business context**

How to create an AI-ready culture and what is the best strategy to approach it according to your business context.

- Create an AI-Ready culture
- How to define the right AI strategy for your organization
- Succeed with your artificial intelligence projects
- The importance of visualization and storytelling
- AI Technologies 101 – What's required to deploy an algorithm

- **AI in YOUR business context**

Each course is adapted to the context of the participating companies. These hands-on workshops will teach you how to quickly get started with AI in your business.

- Workshop 1: Address a concrete business problem with AI
- Workshop 2: How to structure your teams to deliver an AI project
- Workshop 3: How to prepare an AI project

Prerequisite

None

Price

1500\$ /person (breakfast and lunch included)

Syllabus

Icebreaker

- Presentation of the participants, reasons leading them to the training and group discussion on current challenges concerning AI.

Fundamental concepts

- Main difference between artificial intelligence, machine learning, Big Data and data science
 - How all the concepts are related

- Artificial Intelligence 101
 - What AI is and what it is not.
 - Definitions
 - Concrete industry use cases
 - How does artificial intelligence work
 - Should all my projects have AI?
 - AI without a complete digital transformation, is it possible?
 - “Human^{AI}” vision
- Machine learning 101
 - What is machine learning?
 - Definitions
 - Concrete industry use cases
 - What is the link between Big Data and machine learning?
 - In which case is machine learning useful?
 - What are the main algorithm categories?
 - What is the difference between deep learning and machine learning
 - What is a neural network and when is it useful?
- Data science as a driver of innovation with AI
 - Definition of data science
 - Data Science Workflow
 - Which expertise is required to have a star team?
 - What is the daily life of people in data science?
- AI case studies of participants’ industry

AI in a business context

- Create an AI-Ready culture
 - Implement the "Human^{AI}" vision in your business
 - Manage humans beforehand (change management)
 - Let people innovate.
 - Avoid evidence of value and target MVPs.
 - Ethical responsibility
- How to define the right AI strategy for your organization
 - Common definition
 - Different team structures
 - Data maturity models
 - Algorithmic responsibility

- Team structure case studies in companies known in the participants' industry.
- Successful AI projects (execution)
 - How to start (and succeed!) an AI project
 - Agile AI
 - Overview of the process and philosophy of the agile methodology
 - How to properly divide your project to ensure its success
 - Continuous deployment and tests
 - Explicability of algorithms - no black box
 - Algorithmic validation
- My model is in production, now what do I do?
 - Monitoring
 - Maintenance
 - Retraining
- The importance of visualization and storytelling
 - Best practices
 - Storytelling journey
- IA 101 technology - Required to deploy an algorithm
 - High level best practices
 - High level project delivery process

Practical - AI in YOUR business context

- Workshop: tackle a concrete business problem with AI
 - AI canvas: find the right business problem to solve with AI according to your context.
 - Review of the different cases and group discussion
- Workshop: how to structure your teams to deliver an AI project
 - Build an optimal team structure in data science for his business
 - Review of the different options
 - Review of the theory on the different team structures
- Workshop: how to prepare an AI project
 - Answer the various questions of the kickoff workshop.