

# Training Agile AI - Accelerate value delivery

**Unlock your delivery team's potential to add value with any artificial intelligence projects.**

## Context

In order to remain competitive and to follow a fast innovation cycle, your company must learn how to deliver value with your artificial intelligence (AI) projects and to get the most out of these technologies.

But how do you ensure efficient, and frequent value delivery? How to plan your projects in order to succeed with AI and deliver concrete results? Even better, how do you deliver this value quickly?

**This training aims to demystify the concepts of AI in order to build your teams and projects on solid foundations and to learn best practices to deploy value thanks to agile AI.**

## Duration

1 day

## Targeted Audience

This hands-on training is aimed at managers, project managers and team members seeking to understand how to plan and bring value through artificial intelligence in their business and industry.

## Objectives

- Demystify the fundamental concepts of artificial intelligence
- Demystify the fundamental concepts of agility in AI
- Learn how to deliver AI projects and quickly deliver value for your business.
- Avoid the most common pitfalls
- Develop skills through hands-on workshops

## Course content

- **Fundamental Concepts of Artificial Intelligence**  
Understanding each of the concepts and differences between artificial intelligence, machine learning, big data and data science.
  - AI and machine learning 101
  - Data science at the heart of innovation
- **Fundamental concepts of agility for AI**  
Understanding the basic principles of agile methodologies and how to deliver your projects and teams.
  - Theory and basic principles

- Manage requirements and change
- Roles and responsibilities
- **How to apply agile principles**  
in AI projects How to use agile principles to deploy value in an iterative and incremental way in your AI projects quickly.
  - Implementing the "Human<sup>AI</sup>" vision in your business
  - Effective project cutting and execution
  - Different team structures
- **Hands-on Workshops – Agile AI**  
Each course is tailored to the context of participating companies. These hands-on workshops will help you learn how to quickly get started with AI in your business.
  - Activity: discovering the right business problem
  - Activity: how to structure your teams to deliver an AI project
  - Activity: how to properly cut out an AI project

### Prerequisite

None

### Price

\$1,500 /person (including breakfast and dinner)

## Syllabus

### Icebreaker

- Introducing participants, the reasons for training and group discussion set spree on their current challenges regarding AI and agile AI.

### AI Fundamental

- **Relationship between artificial intelligence, machine learning, *big data* and data science**
  - How all concepts are interconnected
- **Artificial Intelligence 101**
  - What IS AI and what is not.
    - Definitions
    - Concrete use cases to industry
  - How artificial intelligence works
  - Should all my projects have AI?
- **Machine learning 101**

- What is machine learning?
  - Definitions
  - Concrete use cases to industry
- What is the link between *Big Data* and machine learning?
- What are the main categories of algorithms?
- What is the difference between *deep learning* and machine learning
- **Data Science as a driver of innovation**
  - Definition of Data Science and *Data Science Workflow*
  - What expertise is needed to have a star team?

## Fundamental concepts of AI agility

- **Theory and principles**
  - Origins
  - Benefits
  - The Basics
  - Scrum methodology
    - Roles and responsibilities
    - Dating and events
    - The sprint
  - Manage requirements
  - Planning a Scrum project (estimates and projections)
  - Teams
  - Change management
- **How to apply agile principles in AI projects**
  - Implementing the "Human<sup>AI</sup>" vision in your business
  - Common definition
  - Different team structures
  - Data maturity models
- **Successful AI projects (execution)**
  - How to start (and succeed!) an AI project
  - Continuous deployment and testing
  - Model explainability - no black box
  - My model is in production, now what do I do?
    - Monitoring
    - Maintenance
    - Retraining

## Workshops - Agile AI

- **Activity: discovering the right business problem**
- **Activity: how to structure your teams to deliver an AI project**
- **Project breakdown to achieve a Viable Minimum Product**