

Updated 07/27/2023

Sign up

Artificial Intelligence Discovery Workshop

1 day (7 hours)

Presentation

Artificial intelligence (AI) is "the set of theories and techniques used to create machines capable of simulating **intelligence**". It is therefore more a set of concepts and technologies than an autonomous discipline.

This original one-day training course will introduce you to artificial intelligence. This workshop is open to beginners and non-programmers (no technical knowledge required).

The Promise

At the end of this workshop, you will know :

- Differentiate between AI, machine learning, neural networks, deep learning and other basic concepts.
- Interact with data scientists by speaking their language.
- What will be the jobs of the future and the different career prospects in artificial intelligence?
- You will have surpassed your limits and created a functional artificial intelligence yourself, which you can show your friends and family.

Objectives

- Find out what AI is, what it's for and how it's transforming our society.
- Put yourself in the shoes of an AI professional for a day.
- Create your own AI capable of analyzing and classifying images all by itself.

Target audience

- Discovery workshop open to anyone interested in AI.

Prerequisites

- Know how to use the Internet and a computer
- No programming skills are required for this workshop.
- To attend this workshop, you'll need to bring your own laptop. No tools to install.

An original teaching approach

A face-to-face workshop specially designed to meet the needs of beginners and non-developers alike.

- Maximum 12 people per workshop.
- An innovative teaching method designed to take you step by step.
- After each stage, we take stock of what we know and go round the table to answer questions, discuss and exchange ideas.
- After the workshop, we send you a teaching aid to help you revise and deepen your understanding of the concept.
- Access to your artificial intelligence software after training.

Our training program to discover artificial intelligence

9:00 - 10:00

What is artificial intelligence?

- Introduction to artificial intelligence, machine learning and deep learning.
- How (and why) to teach a machine to do something.

10:00 - 11:00

How AI is used today

- Discover real-life cases of AI use in our society.
- From autonomous cars and chatbots to automatic cancer detection and lost-person tracking.

11:00 - 13:00

Introduction to basic concepts

- Supervised, unsupervised and reinforcement learning.
- Neural networks, deep learning, classification, regression and clustering.
- The precision, recall and hyper-parameters of a machine learning model.

13:00 - 14:00

Lunch and networking

- Buffet included in workshop price.

14:00 - 15:00

Life cycle of an artificial intelligence project

- How does a machine learning project work? Where to start?

15:00 - 17:00

Workshop: Create your own artificial intelligence!

Step into the shoes of an AI engineer and "train" an image classifier to distinguish between cubism and impressionism, on a mission assigned to you!

1. Data collection
2. Model training with Google Cloud AutoML Vision.
3. Model analysis and prediction.

17:00 - 18:00

Career prospects in artificial intelligence

- How to make a living with artificial intelligence?
- How can we take artificial intelligence learning a step further?

To attend this workshop, you'll need to bring your own laptop and know how to use it (browse your folders and use a web browser).

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.