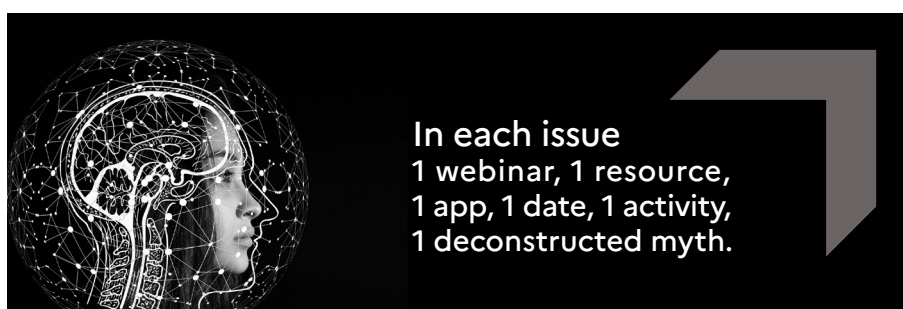


# LA BOITE NOIRE

BLACKBOX • ARTIFICIAL INTELLIGENCE NEWSLETTER



In each issue  
1 webinar, 1 resource,  
1 app, 1 date, 1 activity,  
1 deconstructed myth.

## 1 ACTIVITY

### AI will sort our waste

An activity combining the themes of Artificial Intelligence and Sustainable Development. Students use an online resource to create an image recognition model of waste. This model is then integrated into a Scratch-like app. The final goal is to help citizens to determine in which sorting bin they should put their waste.

<https://www.pedagogie.ac-aix-marseille.fr/iaplusquatrier>

project-based experience  
[machinelearningforkids.co.uk](https://machinelearningforkids.co.uk)



Middle school

## 1 RESOURCE

### Machine Learning for Kids

This platform, developed by Dale LANE, an engineer at IBM, allows you to create and use an AI algorithm in various programming projects.

It is in English but simple and intuitive. You will need an account to use it. Its strength lies in bringing all the stages of machine learning together without leaving the platform. Many examples are available. We recommend for example the project on the Titanic survivors.

<https://machinelearningforkids.co.uk/>

## 1 DECONSTRUCTED MYTH

“ AI will turn against its creator: the human. ”

You have to tell science fiction from reality. AI algorithms are efficient and even more efficient than human beings in very specific tasks: those for which they have been programmed.

Take for example an image recognition model that is more efficient than a human being, it has no conceptual understanding. It recognises a car but does not 'know' what purpose it serves. An AI cannot yet compete with the plasticity of a human brain. We are therefore a long way from this famous strong AI or general AI, and still a long way from a Matrix-like fiction.



## 1 WEBINAR

### A Robot on Trial

Before talking about our next webinars in the next newsletter, we suggest you watch "The trial of the robot": <https://www.youtube.com/watch?v=lw4ukCNdIFY>

## 1 AI APP

### Healthcare

A diagnostic-decision support can assist doctors in detecting suspected cases of lung or breast cancer.

## 1 DATE

### 1950

Alan TURING, a mathematical genius and unsung hero during his lifetime in World War II, wrote an article entitled "Computing Machinery and Intelligence". This seminal article laid the groundwork for what would be called "Artificial Intelligence" six years later.

The first sentence of this article is still relevant today:

“ I propose to consider the question, 'Can machines think?' ”

Alan TURING does not really define AI as such but mentions submitting machines to a test in order to identify them as "intelligent". Called the "Turing test", it consists in having one human interact with another human and one machine. If the machine is spotted then it is foiled, in the opposite case, if the machine wins in this game of imitation, then it passes this famous test.



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This curation is brought to you by the Artificial Intelligence Work Group of the DRANE PACA, pôle Aix-Marseille.