



LEARNING



WHEN MACHINES SHOULD LEARN...

Today, when people talk about artificial intelligence, frequently topics like machine learning or deep learning are discussed. Mainly based on mathematics or statistics, these forms of learning for a machine are supervised or unsupervised. Supervised learning is when the machine needs to find data which are matching a given pattern while unsupervised learning is when the machine must analyze data to find a structure (like for speech or face recognition). To do this, data scientists are needed. Machine learning became a technology, driven by mathematicians or statisticians.

And to say it one time, for a machine to learn something is very easy. Take the information and write it to a memory (hard drive). To recall it, read the memory. This is easy. The hard part of the job when the machine is learning is not to store the information but to recognize among all incoming data those who should be considered for being stored. Those pattern recognition algorithms are computing a possible match between data being processed and a specific intention or pattern. It would be correct to call these technologies “machine recognition” and “deep recognition”. Just our opinion.

...WE HELP THEM TO LEARN LIKE HUMAN DOES !

Learning is a human thing, it is a mental process.



Beamak SAS
58 route Nationale
80500 Contoire-Hamel
France

Phone
+33 763 633 003

Mail
info@beamak.com

Follow us on Twitter
@BeamakSAS

www.beamak.com

Jurisdiction
RCS Amiens

SIREN
834 482 937

Represented by
Mark Pohlmann

From a scientific point of view, learning is mastered by psychologists, neuroscientists and pedagogues.

Learning is the process of acquiring new or modifying existing knowledge, behaviors, skills, values, or preferences.

What we do is taking care of how incoming physical or chemical stimulations are transformed, how they interact with the biological substratum, how the signal is processed by the neurons to their neighbors and how the frequency and strength of these signals are enabling learning and associated functions of the long term memory so that properties associated to the data structure of the "virtual brain" are holding information in a human way.

AND WE ALREADY HAD SUCCESS WITH THIS

For a multinational Fortune 500 staffing company, we designed an expert system to support human resources to manage the impact of the digital transformation on their staff. Many jobs will change and great care needs to be given to this workforce. Based on hard and soft skills, on current and future possible career path and open positions, the smart engine is finding attractive ways forward for these people. But sometimes, more than one possible way was found and we designed a specific scoring engine based on user preferences, skills and steps to go within the problem space (because of costs) to take the best decision for the people and the organization.

Beamak - We make machines think !

Beamak was created in 2016 by Cognitive Psychologists who worked for the French National Center for Scientific Research (C.N.R.S.) and the Computer Science Laboratory for Artificial Intelligence (LAFORIA).

Our functional cognitive architecture using core Psychological components brings to AI engines the ability to understand a context and adapt their attitudes to act and communicate. These components are using Beamak Smart Neuron concept which is processing data in a natural way.

Beamak is helping companies worldwide to accelerate their digital transformation by creating and designing AI solutions which includes cognitive and psychological features.

Founders of Beamak worked for over 20 years for leading consulting and technology companies such as Andersen Consulting, Accenture, Cap Gemini or Hewlett-Packard, managing over 200 projects for Fortune 500 companies in EMEA.

At Beamak, we love what we do and we stick to our promises. We would be glad to be part of your next journey.

Looking forward to work with you soon...

