AIBT101 – Introduction to modern AI
From the Advanced Master AIBT
(Artificial Intelligence and Business Transformation)

This module introduces the participants to business-oriented modern AI. It gives the basics to start taming the complexity of Data Science and Machine Learning with a special focus on Big Data and Deep Learning.

Prerequisites
- General knowledge on computer science.
- Work experience in a professional environment.

Learning objectives
After completing this course, participants will be able to:
- Understand how a problem needs to be framed to be tackled by Data Science and AI;
- Be able to answer most basic questions about AI;
- Be acquainted with flagship algorithms and typical business-oriented use-cases;
- Understand the major technology trends driving business-oriented AI;
- Understand the different phases leading to profitable uses of AI (from solid exploratory data analysis practice to state of the art engineering environment).

Highlights
- AI basics
- Major success stories of business & AI
- World leading industrial expert

Key elements
Dates: 14 - 17 October 2019
Duration: 28 hours, 4 days
For whom: recent graduates, jobseekers and experienced employees
Location: ISAE-SUPAERO, Toulouse
Course fees: 2 300 €
Language: English

Practical information and registration
Natalia Perthuis - 05 61 33 80 47 – info.exed@isae-supraero.fr

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Course Content

AI Basics:
• History and basic principles of AI and more specifically Machine Learning

Machine Learning:
• Landscape and flagship algorithms on Supervised
• Unsupervised and Reinforcement Learning

Fueling AI:
• Understanding the relationship between problem framing
• Types of data available
• Actual business outcomes and the applicable algorithms

Business intelligence and business models:
• How to deliver insights to end users

Major success stories of Business and AI:
• Targeted publicity and recommendations (such as Netflix’s)
• Google’s Self-driving car
• IBM Watson’s Medical diagnosis
• DeepMind’s Alpha Go beating the World champion of Go
• Airbus building the Skywise platform
• How AI can deliver prescription for manufacturing, etc.