

AI Black Belt Training Program

A progressive program, for managers and developers



Progressive, from beginner to master

AI may seem an intimidating, even arcane field. We've split the path to mastery as a succession of "belts", much like martial arts.

- White Belt is the most introductory level: accessible to anyone, in 2 hours, it includes short quizzes on your mobile and makes you a member of the community.
- Yellow and Orange belts, respectively for coders and for managers, covers the bases of artificial intelligence.
- Green Belt covers in some depth the bases of machine learning, and an intro to deep learning, over 10 days of summer school.
- Blue and Brown belts require an increasing level of difficulty and engagement leading you progressively to Black Belt, truly a level of mastery.

AI Black Belt Method : Progressive - Hands-on - Peer learning - Peer certification

Whether it's hands-on labs, problem-solving sessions, business cases or lectures, AI Black Belt select the teaching method that's best for each subject. That flexibility means you'll learn in a variety of ways, and you'll learn more effectively.

Business Cases: AI Black Belt is built in close relationship with the industry



Vendor-neutral, yet vendor-enabled.

Most of the environments and tools that we use are open source, to offer the most freedom. However, we will also enable learners to work with industry-standard environments in the cloud.



Beyond the training, a resourceful network, to grow further

The AI Black Belt is built on the spirit of progress, of healthy emulation, between learners, that can be found in martial arts. Because AI Black Belt relies very much on peer-learning, learners are expected to be open, and even to contribute to the community.

Access to a host of lifelong resources: business cases, videos, invitations to conferences, talks.



AI Yellow Belt

A hands-on approach to learn the foundations of Artificial Intelligence



An intro on data, algorithms, and operational considerations

- understand what **AI can and cannot do**.
- identify problems within the company that can **benefit from AI**
- understanding data with Jupyter notebook, NumPy,
- supervised Machine Learning with Scikit-Learn
- doing it right: choosing parameters, evaluating the quality of the model
- production considerations: tools, pipelines, people, skills.
- access to a host of **lifelong resources**: use cases, videos, invitations to conferences, talks, etc.

*The only **prerequisite for this training** : bring your computer and have some experience with Python. Learning will happen through coding in a Jupyter notebook environment, in the browser.*

Understand the basics of Artificial Intelligence

The AI Yellow Belt is a 4-week training program including a half-day class every week in small group, and additional training material.

Week 1 : Introduction to machine learning with Python

Week 2 : Learn to identify and solve supervised learning problems

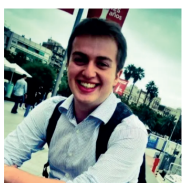
Week 3 : Practice regression algorithms for sentiment analysis

Week 4 : Learn how to let the machine tune itself

Beyond the training, a resourceful network, to grow further

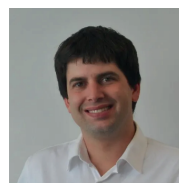
The AI Black Belt is built on the spirit of progress, of healthy emulation, between learners, that can be found in martial arts. Once you become part of the community, you will be expected to give and take, exchange practices and challenges with your peers.

You will also have access to a host of lifelong resources: videos, invitations to conferences, talks.



Gilles Louppe, PhD.

AIBB Trainer
Professor in AI & deep learning at
University of Liège



Loic Quertenmont, PhD.

AIBB Trainer
Founder & Data Scientist at Deeper
Analytics

AI Yellow Belt Training Program: 1600€* (excl. VAT)

- English on Fridays (Brussels) : 7.06 - 14.06 - 21.06 - 28.06
- French on Tuesdays (Wallonia) : 28.05 - 4.06 - 11.06 - 18.06

** Scholarship available for individuals based on application*

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www.AIBlackBelt.com

AI Orange Belt

Understand the implications of AI, and how to harness them



Benefits of the training:

- understand what **AI can and cannot do**,
- identify problems within the company that can **benefit from AI**,
- establish an **AI roadmap**, on how your company can integrate AI over time,
- evaluate the **AI skills needed** (internal & contractors),
- access to a host of **lifelong resources**: business cases, videos, invitations to conferences, talks, etc.

Training designed for CIOs, general managers, project managers, HRM, marketing executives, and other decision makers, who want to understand and harness the AI transformation.

A complete & compact overview of AI in business

It's a 4-week training program including a half-day class every week in small group, and additional training materials such as videos, use cases and assignments.

Week 1 : Understand AI Applications

Demystify AI, Key Concepts, What AI can do, and what it cannot

Week 2 : Workflow & AI Project Management

Work cycles, from prototype to production. Identify use cases.
Data management. Impact on jobs. Biases & limitations of applications.

Week 3 : AI Strategy & Governance

Organizational maturity. Ethical, legal, cost considerations.

Week 4 : AI Transformation in Industries

HR. Marketing & sales. Operations, logistics.

Every week an
industry expert
will share and
discuss an AI
business case.

Beyond the training, a resourceful network, to grow further

You will become part of a bold learning community, with ongoing access to additional training material, business cases, videos, conferences, etc.



Yanniss Chaouche

AIBB Trainer
Teaching Applied AI at Machine Learning
Academy and OpenClassrooms



Kevin Françoisse, PhD.

AIBB Trainer
CEO & co-Founder at Sagacify

AI Orange Belt Training Program: 1600€ * (excl. VAT)

- English training on Thursdays (Brussels) : 6.06 - 13.06 - 20.06 - 27.06
- French training on Wednesdays (Wallonia) : 29.05 - 5.06 - 12.06 - 19.06

* Scholarship available for individuals based on application

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