

AIBT102 – Data integration and Exploration

From the Advanced Master AIBT
(Artificial Intelligence and Business Transformation)



Artificial intelligence is creating new jobs and new ways of working. This is crucial to acquire some basic knowledge about AI and big data in order to lead one's firm and teams through change and transformation challenges.

Key elements

Dates:

4 - 7 November 2019

Duration:

28 hours, 4 days

For whom:

recent graduates, jobseekers and experienced employees

Location:

ISAE-SUPAERO, Toulouse

Course fees: 2300 €

Language: English

Skills learned

After completing this course, participants will be able to:

- Explain the key components of ETL-based data warehousing;
- Set up indicators on data quality and management;
- Perform a simple data visualization task.

Prerequisites

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

Learning objectives

Data is ubiquitous in modern economy. From flight test data to financial reports, from web-based content to scientific computation results, sources of data are heterogeneous, flow at different speeds and vary in volume. The first step in an efficient data-driven business model is the definition of a strong data integration framework, able to cover all the useful data sources, to manage them over time, to report on data quality and to efficiently explore and visualize their contents.

Practical information and registration

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Programme

Data Warehousing:

- History and recent evolutions
- Extract-Transform-Load process
- Architecture
- Key functions
- Layers

Data quality:

- Indicators
- improvement
- assurance
- control

Data visualisation:

- visual perception
- effective graphical display
- tools