

# AIBT102 – Data integration and Exploration

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



## Highlights

- Data warehousing and visualisation
- Data quality management
- Practical courses

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.

## Prerequisites

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

## 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: 2 300 €

Language: **English**

## Learning objectives

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.

## Practical information and registration

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## Course Content

### 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