

# Master fundamental Data-based business calculations

## Introduction to AI algorithms

### WHO SHOULD ATTEND?

Chief Financial Officers – Controllers – Internal Auditors – Treasurers – Chartered Accountants, External Auditors – Bankers, Account Managers – Financial Analysts

**Pre-requisites:** *this training does not require any particular prerequisite.*

### OBJECTIVES

- › Master basic descriptive statistics
- › Understand the fundamentals of AI algorithms

### WHY SHOULD YOU ATTEND?

- › Understanding the fundamentals of statistics and related mathematical calculations is mandatory to approaching Data Analytics and to leveraging artificial intelligence and machine learning in your field.

This training addresses the concepts in a visual and fun way to make them accessible. Most of the courses in FinHarmony's Data Analytics learning path rely on the knowledge acquired in this two-day training.

### DETAILED CONTENT

#### › Definitions and reminders

- Statistical unit, variable, population, sample
- Distribution, shape, positioning and dispersion

#### › Building and interpreting main data-viz graphic presentations

#### › In-depths learning

- Inference
- Main statistics tests
- Calculating a confidence interval

#### › Applying statistics to corporate finance in Excel spreadsheet

- Correlation (quantitative and qualitative variable) and intensity
- Linear regression (two or many variables) and assess its quality
- From typical curves (logarithmic, exponential, logistic, etc.) to linear function
- Building conclusive clusters or categories, and assessing their relevance
- Introduction to Bayes statistics and conditional approach

### INSTRUCTIONAL APPROACH AND LEARNING ASSESSMENT

- **Prior to the session:** 2 self-assessment quizzes
- **During the session:** a complete business case by topic. Work in small groups and exchanges in plenary. Excel templates provided. These numerous practical applications allow to validate skills acquisition at each step.
- **After the session:** the trainer is available to answer any follow-up questions participants may have.

**DURATION:** 2 DAYS

**DATES\*:** 01-02/02/24  
26-27/09/24

**PRICE EXCL. VAT:** 1 860 €

(\*) Delivery method: face-to-face, subject to change according to your requests and/or health conditions.

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