

FINANCIAL AND STATISTICAL CALCULATIONS WITH EXCEL

To carry out with ease your financial and statistical calculations with EXCEL

PUBLIC

Administrative, financial or commercial executives brought to carry out calculations in financial mathematics or statistics

OBJECTIVES

To update and consolidate its knowledge in the field of the statistics and financial mathematics.

To know how to use the mathematical functions of Excel

To acquire the reflexes allowing a good formalization of the problems

To optimize his statistical and financial calculations

PRE-REQUISITE

To be familiarized with the use of EXCEL

TEACHING METHOD

Theoretical talk at the beginning of the training.

Alternation of case studies and practical exercises.

Handing-over of a synthesis USB key containing the correction of the case studies and exercises carried out during the training

DURATION: 2 days

PROGRAM

I Reminder on the elementary operations of calculation

Uses of formulas

Solving of equations (target value of Excel)

II Financial Mathematics

Simple and compound interest

The discount

Debenture loans

Actualization

The choice of the investments

Calculations of annual instalments and bill books

III Statistics

Concepts of probability

Characteristics of central tendency and dispersion (average, variance, standard deviation...)

Charts (Histograms and other diagrams)

Linear regression

IV Laws of probabilities

Normal distribution

Binomial distribution

V Linear programming

Optimization under constraints (use of the Excel solver)

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