

Data Analysis: Concepts, Statistics and Models (STATSP, 2 jours)

Description

The training course Data Analytics Training: Concepts, Statistics and Models covers everything you need to know to use statistics and hypothesis testing in making decisions. The course starts with basic statistical measures such as average, median, mode and standard deviation. The training then tackles the theory and practice of hypothesis testing including z-scores, t-scores, chi-square testing and more. The course explores many statistical distributions and their associated tests and concludes with an in-depth study of graphing techniques for business decision making.

Tarifs

- Tarification: \$1,500/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Essential Concepts

Statistical thinking and decision making
Understanding biases
About sampling and populations
The normal curve and normalization
Measures of central tendency: Average, median and mode
Variation measures: standard deviation and variance
Interpretation of measures of central tendency

The hypotheses

LEAN principles and decision-making processes
Use of historical data
How to formulate a hypothesis
How to use a statistical test to accept / refute a hypothesis
Practical applications

Distributions: Towards practice

What is a distribution?
Normal distribution and its parameters
Interpretation and decision making with the normal distribution
Graphical representation of normal distribution
The Chi-Square distribution and its parameters
Interpretation and decision making with Chi-Square distribution
Graphic representation of the Chi-Square distribution
The use of distributions in decision making
Other distributions

Graphical representations

Overview of graphical representations
Frequency calculation
Histograms and frequency graphs
Scatter-Plot diagrams
Overview of dependent and independent variables
Linear trends, correlation and linear regression
Dispersion diagrams and linear relationships