Applied Statistics for Management

ECTS : 3

Langue du cours : Français

Volume horaire : 27

Description du contenu de l'enseignement :

Course Overview Introduction to statistical tools used to summarize and analyze a set of data, to the fundamental concepts of probability and the laws of probability. Presentation of statistical inference concepts: sampling, parameter estimation and hypothesis testing. Introduction to simple linear regression.Course Chronology A . ProbabilitiesI. Basic concepts1. Random experience and events2. Definition of a probability3. Conditional probabilities4. Bayes formula5. Independence6. Combinations and arrangementsII. Random variables1. Discrete random variables2. Continuous random variables3. ApproximationsIII. Two-dimensional random variables1. Independence2. Covariance3. Properties of expected value and varianceB. Statistical inference1. Sampling theory2. Statistical estimationa) Point estimationb) Confidence interval estimation3. Hypothesis testing

Compétences à acquérir :

Gain various basic concepts and strategic tools used in the Science of Management. Develop, through a variety of applications based principally in the domain of management, the capacity to interpret and analyze quantitative data.

Mode de contrôle des connaissances :

- Midterm 50%
- Final Exam 50%

Coefficient : 0.75

Document susceptible de mise à jour - 03/11/2026
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