INTRODUCTION

The purpose of this course is to reinforce statistical techniques in order to expand students’ knowledge of mathematics to prepare them for certain business disciplines. The primary aim is to provide students with the confidence and competence to operate successfully in analyzing data in real-world situations.

AIMS

The 5 session course aims to provide participants with:
- An understanding of techniques needed to manipulate algebraic expressions and solving equations (linear programming);
- basic statistical methods (sampling mechanisms, correlation and simple regression analysis) and requisite statistical concepts (probability distribution, basic hypothesis testing and decision theory)
- Knowing how to analyze data sets (using descriptive statistics, graphs, charts and tables)
- Determining sample size given confidence levels and error margins
- An ability to integrate statistical analysis in a decision-making process

METHODOLOGY

This course runs over 5 sessions of 4 hours each. It will be a mixture of self-study, classroom discussion, in-class examples and instructional videos.

EVALUATION

Participants will be evaluated on the basis of:

Class participation 30%
Individual assignments 35%
Group project(s) 35%

BIBLIOGRAPHY

• Please note that the following do not need to be purchased to take this course:

