

King Saud University (RIYADH)
College of business administration
Department of Quantitative Analysis.
Introduction to Statistics in Business (QUA 107)

Credit hours : 3

Number of Sessions : 42

Course Facilitator: Dr. Najwan H. Alsadat

Office : Building 3 2nd Floor, Office No. 185 E-mail: nalsadat@ksu.edu.sa

Lecture : day: 1, 3, 5, Time: 8-9, 10-11, 11-12

Office Hours : day: 1, 3, 5, Time: 9-10, 12-1

Course Objectives

- To provide the student with the basic concepts and terminology of statistical science, including graphical representation and descriptive measures.
- To cover different methods of arranging, tabulating, and presenting data.
- To provide the student the basic concepts of probability theory.
- To understand the concept and importance of relationship between variables and to fit mathematical models.
- To understand and use Excel software for data analysis and decision making.
- To prepare the student to perform scientific interpretation of economic and social phenomena to assist various policy and decision makers.

Content of the Course and Session Plan

Session	Content
Sessions 1-3	Basic Concepts of Statistics
	Types of Statistics
	Types of Variables
	Levels of Measurement
Sessions 4-9	Describing Data
	Constructing Frequency Table
	Constructing Frequency Distributions
	Graphical presentation of data
Sessions 10 - 18	Describing Data : Numerical Measures
	Measures of central tendency ²
	Measures of Dispersion
	First Midterm (25 points) Wednesday (20/5/1436 - 11/3/2015) (12:00-1:30 PM)
Sessions 19 - 21	Probability Theory
Sessions 22 - 24	Random Variables and Discrete Probability Distributions
Sessions 25 - 27	Continuous Probability Distributions
Sessions 28 - 33	Simple linear regression and correlation
	Second Midterm (25 points) Monday (8/7/1436 -27/4/2015) (12:00-1:30 PM)
Sessions 34 - 38	Time series analysis
Sessions 39 - 42	Index numbers
	Participation and duties (10 points)
	Final Exam (40 points)

Text Book Recommended: Lind, Marchal and Wathen, Statistical Techniques in Business and Economics, McGraw Hill International, Fourteenth Edition.