

King Saud University (RIYADH)
 College of business administration
 Department of Quantitative Analysis.
 Statistics in Business Administration (QUA 502)

Course Facilitator: Dr. Najwan Alsadat

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Lecture: Tuesday 9.00 AM to 12.00 AM (sec 40781)

Office Hours : Sunday (12-1), Tuesday (12-1), Thursday (12 -1)

Course Objectives

The objective of the course is to introduce the managerial statistical analysis to enhance the ability of making decisions. The following topics will be discussed: collecting and arranging statistical data, measures of central tendency and dispersion, introduction to probability, random variables and types, correlation and simple linear regression, and variance analysis with applications in business and using a statistical package (such as SPSS).

Content of the Course and Session Plan

Session	Content
Sessions 1-6	Basic Concepts of Statistics
	Describing Data
	Constructing Frequency Table
	Constructing Frequency Distributions
	Graphical presentation of data
Sessions 7-9	Measures of central tendency
	Measures of Dispersion
Sessions 10 - 15	Probability Theory and Random Variables
Sessions 16 - 18	Some Discrete Probability Distributions
Sessions 19 - 21	Some Continuous Probability Distributions
	First Midterm (20 points) Tuesday (21/1/1437 - 3/11/2015) (9:00-10:30 AM)
Sessions 22 - 27	Statistical inference for one population
Sessions 28 - 33	Statistical inference for two populations
	Second Midterm (25 points) Tuesday (19/2/1437- 1/12/2015) (9:00-10:30 AM)
Sessions 34 - 39	Simple linear regression and correlation
Sessions 40 - 42	Analysis of variance
	Participation and duties (15 points)
	Final Exam (40 points)

Text Book Recommended: Business Statistics For Contemporary Decision Making, 5th Edition By: Ken Black, Wiley 2008.