

Quantative Analysis for Business Decision

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MBA Sem-I Examination January 2010

Subject code: 810007
Date: 01/02/2010

Subject Name: Quantitative Analysis
Time: 12.00 – 2.30 pm
Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q-1 (a) A multinational bank issuing Master Card is monitoring the use of credit card account holders in the context of their spending habits. A market survey shows that the average monthly spending of its regular card users is normally distributed with mean Rs.2800 and standard deviation Rs.900. The customers are classified into four categories according to pattern of spending: 07

- a) Category 1 spends less than Rs.2000
- b) Category 2 spends Rs.2000 or more but less than Rs.3000
- c) Category 3 spends Rs.3000 or more but less than Rs.4000
- d) Category 4 spends Rs.4000 or more

What proportion of customers would you expect to fall into each category?

(b) A small independent physicians' practice has three doctors. Dr. Shah sees 41% of the patients, Dr. Patel sees 32%, and Dr. Jadeja sees the rest. Dr. Shah request blood test on 5% of her patients, Dr. Patel request blood test on 8% of his patients, and Dr. Jadeja request blood test on 6% of her patients. An Auditor randomly selects a patient from past week and discovers that patient had a test as a result of the physician visit. Knowing this information, what is the probability that the patient saw Dr. Patel? For what percentage of all patients at this practice are blood tests requested? 07

Q-2 (a) A small fruit merchant has got a problem on hand. He has to decide how many dozens of particular type of fruit to stock on a given day. Total demand per day is uncertain. He has analyzed the past data and found the following pattern of distribution based on 360 days. 07

Total demand per day (in dozens)	# of days each demand Level was recorded	Probability of demand
25	72	0.20
30	90	0.25
35	108	0.30
40	90	0.25

Fruits not sold on any day perish and have to be thrown out. Selling price of the fruit per dozen is 30. Cost of procurement and other incidentals add to 20 per dozen. How many dozens per day should the merchant stock?

(b) It is sometimes maintained that women sleep less soundly after having children than they did beforehand. Suppose we asked 90 women with children, and found.

Number of children	Present sleep compared with before having children		
	Worse	Same	Better
1	28	7	5
2	13	6	6
3 or more	8	9	8

What inference can be drawn?

1

Quantitative analysis is using data from your business to determine its success. It helps you look at data to determine what needs to be changed in the company or what is working for the company. You can use quantitative analysis to make purchasing decisions, marketing decisions, and even sales decisions. Maria is the CEO of a company. She wonders how she can use data from her company and industry to help her make better decisions. Many people use data to guide the decision-making process in business. Exploring numerical data is known as quantitative analysis, and it is at the heart of many business decisions. Using your knowledge of your product, industry and employee capabilities, you can make many beneficial business decisions. If you wear multiple management .Quantitative Analysis for Business Decisions. Managers are frequently faced with complex decisions that need to be made. These decisions often have far-reaching impact on the profitability of the organization as well as the decision maker's career. As your business begins to grow, you'll most likely need to make more decisions using staff input and objective data, rather than the personal knowledge of your. Book Selection. Quantitative Analysis for Business Decisions. A. D. Airth. Pages Published online: 19 Dec Pages Published online: Example 1 (Use of Probability). From past experience it is known that a machine is set up correctly on 90% of occasions. If the machine is set up correctly .In this class the focus will be on understanding the techniques, promoting its effective use and interpreting the results of quantitative analysis. The discussion of. Quantitative Analysis for Business Decision Making [Gerald I. Harel, Tej S. Dhakar] on cassiewerber.com *FREE* shipping on qualifying offers. Book by. 3 Dec - 21 min - Uploaded by Belaiet Hossain Southeast University Course Title: Quantitative Analysis for Business Decision Course Code. Quantitative Methods for Business Decision Making Quantitative Methods Intro regression analysis 2 in Excel with extended multiple regression analysis. Quantitative Analysis for Business Decisions [Harold Bierman, Charles P. Bonini, Warren H. Hausman] on cassiewerber.com *FREE* shipping on qualifying offers. Quantitative Analysis for Business Decisions [Bobby Srinivasan, C.L. Sandblom] on cassiewerber.com *FREE* shipping on qualifying offers. The module provides a framework for using data in statistical form to define, describe and resolve a wide range of business problems. Specifically, the module. quantitative analysis to business decision making and problem solving. analysis, including basics of logic and decision making, principles of optimization .MBA - Quantitative Analysis for Business Decisions. Provides knowledge necessary to identify and tackle business problems using quantitative tools with a . FACULTY OF BUSINESS AND ECONOMICS. School of Business. BUSIABC Quantitative Analysis for Business Decisions I. Second Semester.

[\[PDF\] Analyse und Optimierung von Energieverbundsystemen \(German Edition\)](#)

[\[PDF\] Socialist Realist Painting During the Stalinist Era \(1934-1941\): The High Art of Mass Art](#)

[\[PDF\] The polite Letter Writer; Business, etiquette, courtship](#)

[\[PDF\] Thermoplaste: Merkblätter 1-400 \(Kunststoffe\) \(German Edition\)](#)

[\[PDF\] The Muscular Dystrophies \(Oxford Medical Publications\)](#)

[\[PDF\] SOCIOPOLIS PROJECT FOR A CITY OF FUTURE](#)

[\[PDF\] Negociar, ruta hacia el éxito: Estrategias y habilidades esenciales \(Spanish Edition\)](#)