

**CASE STUDIES AS A  
TEACHING-LEARNING TOOL  
IN ECONOMICS, FINANCE  
AND QUANTITATIVE COURSES**  
An Instructor's Perspective

**Yusof Ismail**



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An Instructor's Perspective

**Yusof Ismail**

Department of Business Administration  
Kulliyah of Economics and Management Science  
International Islamic University Malaysia  
Email: [yusof\\_iiu@yahoo.com](mailto:yusof_iiu@yahoo.com)



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EMAIL: [iiumprinting@yahoo.com](mailto:iiumprinting@yahoo.com)

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# A Student's Experience with Decision Science Case Studies

Nor hazirah Abu Hassan and Yusof Ismail

## Introduction

This chapter describes how *Decision Science* case studies act as a learning tool to an undergraduate student majoring in Mathematical Science. Decision Science is a management science that draws on *Psychology* and business methodologies along with emerging technologies in neuroscience to study how people make prediction and choice. Basically, formal models have been explained to rationalize the decision-making process. Rather than dictate how decisions should be made in a perfect world, *Decision Science* seeks to understand how decisions are actually made in the real world.

Some of the questions addressed by decision scientists' base on the textbook I studied include:

- How do feelings influence thoughts in the brain?
- Are feelings necessarily irrational influences?
- Can one wilfully change one's state of mind while engaged in crisis decision making?
- Are decision mistakes and biases predictable and preventable?
- Can accountability systems be structured to improve decision processes?

By answering these questions and others, decision scientists will help tomorrow's leaders make informed, effective decisions. While case studies refer to the collection and presentation about information of the subject by using example of the real situation. In case Studies the real world is more engaging than theory. They show how things are done in practice. Case studies also provide a way to share knowledge and encourage people to learn from others' experiences. As they are based on real-life experiences rather than theory, case studies give an air of authenticity to a message. Therefore I could say that, case studies are an effective learning tool for Decision science since we learn how to make decision and answer the related question in this course. The useful experience from others could help student understand better about the topic.

## Objectives of using cases

*Decision Science* is one of the courses under Business Administration minor. It provides methods of making decisions in term of maximizing profit and minimizing cost. Hazirah studied the course approximately two semesters ago. She offers three benefits she obtained after studying the course.