

BOSTON COLLEGE
Department of Economics

EC 151 - Fall 1998
Statistics

Ayla Ogus

Required Text::McClave, Benson and Sincich, Statistics for Business and Economics.

Course Requirements :

2 mid-term exams (Feb 16 & March 30) - 40 %	
Final exam	- 35 %
Quizzes	- 15 %
Computer Cases	- 10 %

Office: Carney 33A, X 8703

Office hours : 1:00 p.m. to 2:00 p.m. Monday & Friday

This course is intended to give you a basic understanding of probability and statistics. Computer exercises will allow you to learn how to make use of the spreadsheet program Excel in statistics. Class time on Mondays and Wednesdays will be largely devoted to new topics and you will be assigned problems from the textbook to work on outside class. On Fridays I will provide the answers to the problems I have assigned during the week and discuss any other questions you may bring up. At the end of the class, we will have a quiz. You may use your class notes and textbook in the exams and quizzes. I will disregard your worst quiz. You will have a total of 9 (or 10) quizzes and your grade will be based on the best 8 (or 9). If you are going to miss a quiz or be absent from classes, I need to know in advance. I will not devote any class time to computer exercises. Excel is available on the computers at the O'Neill computer center. The bookstore has the solutions manual to all the questions in the book. A copy of the solutions manual is also available on the Reserve Desk in the O'Neill library. You will need a calculator for this class.

SYLLABUS

I. Basic Probability and Statistics

A. Descriptive Statistics

Ch. 2

B. Probability

Ch 3

C. Discrete Probability Distributions

Ch 4

D. Continuous Probability Distributions

Ch 5

II. Statistical Inference

A. Sampling

Ch.6

B. Confidence Intervals

Ch 7

C. Hypothesis Testing

Ch 8

D. Inferences About Two Random Variables

Ch. 9