

Boston College
Department of Economics

EC151.08
Statistics for Business and Economics
Spring, 2010
Fulton 110, MWF, 1:00-1:50

Farooq Pasha
21 Campanella Way, Room 462 F
E-mail: pasha@bc.edu
Phone: 617-552-6376
Office Hours: W 11-1, F 3-5

Text: Statistics for Business and Economics (6th Edition),
Newbold, Carlson, Thorne (BC Edition- Prentice Hall)

Course Requirements: 2 Mid-Term Exams, Feb 22nd and Apr 7th (25% Each),
1 Final Exam (30%), on May 17th at 9:00 AM,
3 Quizzes and 1 Final Project (20%)

Grading: The final grade will be assigned based on the aforementioned requirements with the weights described. The rule for final grade assignment will be 93+ (A), 90-92 (A-), 87-89 (B+), 83-86 (B), 80-82(B-), 77-79 (C+), 73-76 (C), 70-72 (C-), 67-69 (D+), 63-66 (D), 60-62 (D-).

Exams: Each exam will be assigned a score out of 100 to be used in the final grade calculation. A make-up exam for any exam is NOT allowed, except when I am informed before hand with a University approved reason for missing the exam. Misinforming me about the need for a make-up exam is considered a breach of academic integrity. This make-up must occur within three (3) days of the original exam.

Course Organization and Expectations:

Lectures: There are three lectures per week every week. Attendance is required to do well in this course. I will put lecture Power Point presentations on the WebCT/Blackboard Vista site of the course after we finish a given chapter in class.

Readings: The text reading for each lecture is provided in the schedule below. When the subject dates change I will inform you accordingly. The text is a useful tool that should be read carefully before the appropriate lectures

Integrity: While working together on case studies is encouraged, working together on exams is forbidden. Please familiarize yourself with the “Academic Integrity” Section of the Boston College Catalog (35-36) or online at <http://www.bc.edu/integrity>.

WebCT/Blackboard: I will be using WebCT/Blackboard to provide you with a variety of information, including handouts I will create, chapter presentations, and your updated grade.

In conclusion, let me say welcome to the course. Statistics is an exciting subject area that will help you better understand the information you receive from various sources. You will NOT be a Statistics Guru by the end of this course. But hopefully you will have an appreciation of the power as well as the limitation of the statistical thinking. It's likely that you might not find all of the information incredibly interesting, but it is definitely worth your time. Let me assure you that a good foundation in statistics will go far in your academic and professional careers.

Good Luck! Here is a rough outline of the course and reading assignments.

<u>Date</u>	<u>Topics</u>	<u>Text Assignment</u>
Jan 20	Descriptive Statistics I	Ch. 2 (2.1-2.2)
Jan 22	Descriptive Statistics II	Ch. 2 (2.3-2.6)
Jan 25	Descriptive Statistics III	Ch. 3 (3.1-3.5)
Jan 27	Probability I	Ch. 4 (4.1)
Jan 29	Probability II	Ch. 4 (4.2)
Feb 1	Probability III	Ch. 4 (4.3)
Feb 3	Probability IV	Ch. 4 (4.4)
Feb 5	Baye's Theorem	Ch. 4 (4.5)
Feb 8	Random Variables	Ch. 5 (5.1)
Feb 10	Discrete Random Variables and Probability Distribution	Ch. 5 (5.2-5.3)
Feb 12	Continuous Random Variables and Probability Distribution	Ch. 6 (6.1-6.2)
Feb 15	Binomial & Poisson Distribution	Ch. 5 (5.4, 5.6)
Feb 17	Normal Distribution	Ch. 6 (6.3-6.4)

Feb	19	Review for the Midterm 1	Ch. 2, 3, 4, 5, 6
Feb	22	MIDTERM 1	
Feb	24	Sampling	Ch. 7 (7.1-7.2)
Feb	26	Sampling Distributions	Ch. 7 (7.3-7.4)
Mar	8	Properties of Point Estimators	Ch. 8 (8.1)
Mar	10	Confidence Intervals I	Ch. 8 (8.2-8.4)
Mar	12	Confidence Intervals II	Ch. 9 (9.1-9.4)
Mar	15	Sample Size Determination	Ch. 9 (9.5)
Mar	17	Review of Estimation	Ch. 8, 9
Mar	19	Hypothesis Testing I	Ch. 10 (10.1)
Mar	22	Tests with Population Variance Known	Ch. 10 (10.2)
Mar	24	Tests with Population Variance Unknown	Ch. 10 (10.3)
Mar	26	Tests with Large Samples	Ch. 10 (10.4)
Mar	29	Power of a Test	Ch. 10 (10.5)
Mar	31	Review for Midterm 2	Ch. 7, 8, 9, 10
Apr	7	MIDTERM 2	
Apr	9	Hypothesis Testing II	Ch. 11 (11.1-11.2)
Apr	12	Tests of two population	Ch. 11 (11.3-11.5)
Apr	14	Goodness-of-Fit Tests	Ch. 16 (16.1-16.3)
Apr	16	ANOVA I	Ch. 17 (17.1-17.3)
Apr	21	ANOVA II	Ch. 17 (17.4-17.5)
Apr	23	Introduction to Simple Regression	Ch. 12 (12.1-12.2)
Apr	26	Simple Regression I	Ch. 12 (12.3-12.5)

Apr	28	Simple Regression II	Ch. 12 (12.6-12.7)
Apr	30	Summary and Review	
May	3	Optional Review	
May	5	Optional Review	
May	17	FINAL EXAM	