

EC151.03 and EC151.04
Statistics
Spring 2007

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Time and Location: EC151.03: M W F 11:00 am - 11:50 am, Campion 204.
EC151.04: M W F 12:00 pm - 12:50 pm, Campion 204.
Office Hours: Mondays 1.00 pm-3.00 pm or by appointment

Required text: Anderson, D.R., Sweeney, D.J. and Williams, T.A. (2006) Essentials of Statistics for Business and Economics 4th Edition.

Course Requirements:

Midterm I: 30%

Midterm II: 30%

Final Exam: 40%

Problem sets: optional but strongly recommended, used as evidence for up to one notch on your final grade (C to C+, B- to B, etc.)

The goal of this course is to give you an introduction to statistics and its applications. The course meets three times per week. You are advised to attend all lectures and take class notes. You are responsible for any material covered in lectures and the required reading listed in the syllabus. Prior knowledge in calculus is not required although some algebraic computation may be employed. It is essential that you read the text carefully and keep up to date with the topics discussed during lectures.

Problem sets

I will hand in problem sets in class. You are encouraged to solve them on your own and should submit them prior to the deadline. You are allowed to work in a group, but each member of a group should submit a separate answer and make sure to contribute to the group work. The problem sets can help you to prepare for the exams and enhance your grade. If they are much better than your exam grades, they will give a bump to your grade (from an A- to an A, for example). If they are about the same and you are on the border line, they will push you up. In no case will the problem sets reduce your grade. The solutions to the problem sets will be discussed in class and handed to you.

Extra points

From time to time I will give you extra problems in class. If you solve them in the time allocated and you are the first one to do it, you can get an extra credit. The amount of credit will depend on the difficulty of the problem.

If time permits I might also give you a data project for an extra credit.

Exams

During an exam, you will not be allowed to use a graphing calculator. Your work on exams must be entirely yours. All exams will be **closed** notes and textbooks. Anyone caught cheating will be given an 'F' grade automatically. There will also be no make-up exams, although exceptions might be made on the basis of verifiable medical reasons. Be sure to familiarize yourself with the academic integrity policy which can be found on the Boston College website at <http://www.bc.edu/offices/stserv/academic/resources/policy/#int> or <http://www.bc.edu/schools/cas/polisci/integrity>.

Preliminary Course Outline

Jan. 14	Overview
Jan. 16	Data and Statistics, Ch. 1
Jan. 16, 18, 23	Descriptive Statistics, Ch. 2
Jan. 25, 28, 30	Descriptive Statistics, Ch. 3
Feb. 1, 4, 6, 8	Introduction to Probability, Ch. 4
Feb. 11, 13, 15	Discrete Probability Distributions, Ch. 5
Feb 18	Review Session
February 20	Midterm Exam I
Feb. 22, 25, 27, 29	Continuous Probability Distributions, Ch. 6
Mar.10, 12, 14, 17	Sampling and Sampling Distributions, Ch. 7
Mar. 19, 26, 28, 31	Interval Estimation, Ch. 8
April 2	Review Session
April 4	Midterm Exam II
Apr. 7, 9, 11, 14, 16	Hypothesis testing, Ch. 9
Apr. 18, 23, 25, 28	Simple Linear Regression, Ch. 12
Apr. 30	Review Session
May 8, Thursday, 09.00am	Final Exam for EC151.03
May 8, Thursday, 12.30pm	Final Exam for EC151.04

Note: The lecture schedule may be subject to slight changes but all exams will take place as scheduled. Some handouts will be distributed in class. So you are strongly encouraged to attend all the classes.