

Boston College

Department of Economics

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EC 151.06 & .07
Statistics
MWF 2 & 3 pm

Office hours: Monday: 1:00 - 2:00 and Wednesday: 4:00 - 5:00
or by appointment

Required text: Statistics for Management and Economics, Keller & Warrack,
4th ed.

The course will consist of problem review and lectures. Usually, I will go over assigned problems as well as cover new material every class. You have to be aware that we will be covering a large amount of material in a limited amount of time. You should consider buying a calculator (if you don't own one) since a considerable amount of computation is required. Much of this computation is rather mindless and best suited for the computer. In this class, these mindless computation will be minimized as much as possible.

You will not be a statistician at the end of this course, but you will have learned the power as well as the limitations of statistical thinking. Some of you will find Statistics to be interesting--even fun-- most of you will not. Most will find it somewhere between tolerable and mildly entertaining. Regardless, a proper dose of Statistics will be invaluable for your future as a student and a working person.

I will not keep track of class attendance. You should be aware, however, that studying regularly will undoubtedly improve your understanding of the materials, and consequently your grade. Experience has shown that when students miss class they fall behind, and it takes even more work and time to catch up with the materials than it would otherwise be necessary.

Examination:

- Two mid-terms: 40% of the final grade
- Cumulative final exam: 35% of the final grade
- Quizzes and computer case studies: 25% of the final grade

All exams and quizzes will be open notes and book. You can look at the back-test file of Fr. McGowan which is kept on the reserve desk at O'Neil.

There will not be any make up quizzes or exams!!

Grade equivalents

A = 93 or above

A- = 92 - 90

B+ = 89 - 86

B = 85 - 81

B- = 80 - 77

C+ = 76 - 74

C = 73 - 69

C- = 68 - 65

D+ = 64 - 62

D = 61 - 57

D- = 56 - 54

F = 54 and under

Homework given in class will not be collected. Needless to say, you are encouraged to work on them in order to better understand the materials.

Tentative schedule

<u>Topic</u>	<u>Classes of</u>	<u>Chapters</u>
Descriptive Statistics	Jan. 13, 15, 17	2,3,4
Probability Theory Bayes' Theorem	Jan. 22,24,27,29 31	6.1, 6.2 6.3
Discrete Probability Distribution:	Feb. 3,5,7,10 6.6	6.4,6.5, 6.6
Probability Distributions: Binomial, Poisson	Feb. 12,14,17,19	6.7,6.8
Exam 1 : Friday Feb. 21 at 4:00 pm	Chaps 1,2,3,4 & 6	
Continuous Probability Distribution	Feb. 21,24,26,28	7.1,7.2, 7.3
Data Collection & Sampling Distribution	March 10, 12	5 & 8
Estimation	March 14, 17	9
Hypothesis Testing (Single population)	March. 19,21,24,26 April 2,4,7	10 & 11
Exam 2 : Wednesday Apr. 9 at 5:00 pm	Chaps 5,7,8,9, 10 & 11	
Hypothesis Testing (Two populations parameters)	Apr. 9,11,14	12
Chi-Square Distribution	Apr. 16,18,23 12.5	11.4 &
Simple Regression	Dec. 25,28,30	19

Final exam : Thursday May. 8 at 12:30 pm for MWF 3

