

Syllabus for BU 224

Dr. Steelquist
Applied Statistics
Fall 2000

COURSE OBJECTIVE

To gain a working knowledge of statistical methods and an understanding of the theory behind these methods. Discussion, problems, lecture, and computer exercises will be used. Specific objectives are:

1. Considerations in collecting useful data.
2. Calculating statistics
3. Determining distributions
4. Estimation
5. Hypothesis testing.

OUTLINE

Introduction	Chap. 1	
Sampling	Chap. 8.1-8.3, 2('I..."2	
Data Presentation	Chap. 2	
Frequency Distributions	Chap. 3	
Summary Measures	Chap. 4	
MIDTERM		
Probability Concepts	Chap. 5	
Discrete Distributions	Chap. 6	
Normal Distribution	Chap. 7	
Continuous Distributions	Chap. 9	
MIDTERM		
Sampling Distributions		
Estimation	Chap. 10	
Hypothesis Testing	Chap. 11	
Regression	Chap. 13 & 14*	
Nonparametric Statistics	Chap. 17*	* if time permits
FINAL		

GRADING

Each Midterm 30% Final 30% Quiz & Homework 10%

The final letter grade will be assigned by totaling the letter grades earned. No letter grades will be given for individual tests or quizzes. Exams and quizzes are open book. Attendance is expected and will be reflected by quiz grades. There will be no make up for missed quizzes! The lowest quiz grade will be dropped. Quizzes may be either announced or unannounced. Homework may be collected occasionally for grading as a quiz. An exam can be made up only if the instructor is notified before the exam. The final will be cumulative with an emphasis on the material after the last midterm. Grading is on a modified curve so point totals for grades change each term.

TEXT: Lee, Cheng F., Statistics for Business and Financial
1993.

D.C. Heath and Co., Lexington Ma..

OFFICE HOURS

Mon., Wed., Fri. 11:00 A.M. and by request in Kieffer Room 111 Phone 739

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Assignments

Chapter	Read	Problems
1	All	4,5,7,12
	UAW-3	15,18, >o
20	20.1.20.2.20.3 (Text Only)	1, f 3, 14, 21, 33
2	All(Not Apndx)	3,4,5,6,8,17,51
3	Omit pp74-80	1,2,3,6,7,9,38,40,41
4	Omit 4C	1,4,7,10,14,17,21,27,30,55
5	All	1,4,6,9,12,16,21,33,70,78
6	Omit 6.8,6.9 6B	1,2,5,6,10,11,14,24,25,27,34
7	Omit 7.4,7.11	3,4,8,10,18,21, 3f
8	8.4-8.6	2, '6,2',
10	All(Not Apndx)	1,2,4,5,6,8,16,22
11	All(Not Apndx)	2,3,6,10,13,45,49,59,63,72
13	All(Not Apn(Ix)	2,10,13,21,26,70

The problem assignments are a minimum. The student may add additional problems as necessary. Any student who has difficulty with a problem, please consult with the instructor. The student who has completed all problems in the text may do additional problems.

More information is located at G:\PUBLIC\BU224S