Economics 321 - Introduction to Statistics

Semester: Summer Term I, 2004

Instructor: Hui Huang (Hazel)       Office: Saunders Hall 537
Office hours:  3:00 -4:00 pm, Monday-Friday
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Course Description

This three credit hour course is designed for the students who have little or no background in statistics. Statistics is an incredibly useful tool that we see almost everywhere in everyday life and our studies. The basic statistical ideas, techniques, and methods to be covered range from, but are not limited to: probabilities, frequency distributions, the normal distribution, confidence intervals, hypothesis testing, correlation and regression analysis, and analysis of variance.

Outline of course material to be covered

The Nature of Probability and Statistics
Frequency Distribution and Graphs
Data Description
Counting Techniques
Probability
Discrete Probability Distributions
The Normal Distribution
Confidence Intervals and Sample Size
Hypothesis testing
Testing the Difference between 2 Means, 2 Variances, & 2 Proportions
Correlation and Regression
Chi-Square and Analysis of Variance (ANOVA)

Book Required

The following course materials are available from the bookstore:


Included supplemental CD package.

It is recommended that you bring your text to each lecture, as it will be frequently used in class.
Grading Schedule

Grades will be based on the following:
Midterm  30%  (June 14, 2004)
Final Exam  40%  (July 2, 2004)
Homework  25%  (Total of 3 HW sets, turned in the day indicated on each homework assignment.)
Attendance  5%

The exams will be short answers and problem solving. There are no make-up exams.

Homework

Assignments from the text will be assigned. Homework sets will be collected at the end of the indicated sections (collected three times during semester) and checked for completion. Please show your work where applicable for full credit. Homework must be turned in by the end of the class session that it is due. No late homework sets will be accepted but they may be turned in early.