ECONOMICS 321: INTRODUCTION TO STATISTICS
Summer 2006: Section I

The Instructor

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Meeting Times

1:30-2:45 pm. Monday-Friday
Classroom: Kuykendall 306

Office Hours

3:00-4:00 pm. Monday-Thursday
And by Appointments
Office: Saunders 539

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.

Course Topics

Chapter 1: The Nature of Probability and Statistics
Chapter 2: Frequency Distribution and Graphs
Chapter 3: Data Description
Chapter 4: Probability and Counting Rules
Chapter 5: Discrete Probability Distributions
Chapter 6: The Normal Distribution
Chapter 7: Confidence Intervals and Sample Size
Chapter 8: Hypothesis Testing
Chapter 9: Testing the Difference between 2 Means, 2 Variances, & 2 Proportions
Chapter 10: Correlation and Regression
Chapter 11: Chi-Square and Analysis of Variance (ANOVA)
Textbook (Required)


Grading Schedule

Homework: 20%
Quizzes: 40%
Final Exam: 40%

Exam Policies

- Final exam will be on the last day of class and will be covered all materials from the beginning. If you are not able to take the final exam at the time indicated (due to travel arrangements, multiple exams scheduled, time conflicts, etc.), please let me know by the first week of the semester.
- The quizzes/exams will be short answers, t/f, m/c, and/or problem solving. There are no make-up quizzes/exams. I will be assigning final grades using the plus/minus system.

Assignments

You need to turn in all the homework assignments and I strongly suggest you to complete all homework problems from the text. Homework problems are intended to prepare you for quizzes and exams.

Quizzes

There will be at least one quiz every week. Quizzes will be given in any day in a week starting from the first week. Quizzes may cover any topic covered up to that point in the class. Six quizzes will be given but the lowest two grades will be dropped from grading consideration. There will be no make-up quizzes allowed for any reason.