

Course Syllabus: Spring 2012

1. Course Title

Business Statistics

2. Class time and place

- Tu/Th 10:30 am - 11:45 am
- Regular class room: 303 Building – Room 802

3. Office hours and place

- Office Location: 교수연구동 Room 1010

- Office hours
 - 4:30 P.M. - 5:30 P.M. Tuesday, and by appointments

4. Course Objectives

This is an introductory study of basic statistical concepts applied to economic and business problems. Topics include the collection, classification, and presentation of data, statistical description and analysis of data, measures of central tendency and dispersion, elementary probability, sampling, estimating and introduction to hypotheses testing, running simple linear regression. Applications of these topics in business and economics are emphasized. The student will learn to:

- Define terms used in the study of statistics and probability
- Prepare charts and graphs, and organize data into a frequency distribution
- Calculate and interpret descriptive statistics measuring central tendency and dispersion for ungrouped and grouped data
- Calculate simple probabilities and apply counting principles
- Calculate probabilities for discrete and continuous distributions
- Apply sampling methods and calculate confidence intervals and sample sizes
- Conduct hypothesis tests using the z and Student-t test statistics
- Conduct simple linear regression to test the statistical model.

5. Course Materials:

- Major Materials
 - Class Notes (i.e., **Course Outlines**) will be posted online. I recommend a 3-ring binder for class notes and handouts. Note that the complete class notes (with solutions for in-class examples) will **NOT** be posted. Students are required to fill in the blanks in their own class notes during class hours
- Textbook (Required)
 - Title: Statistics for Business and Economics, 11/E
 - <http://www.yes24.com/24/goods/4127694?scode=032&Oz>
 - ISBN: 9780538471886
 - Author: David R. Anderson
 - Publisher: South Western College (Imported by 박영사)
- Software:
 - Microsoft Excel

6. Grading Policy

- The final grade is determined by assigning the following percentage scores:

Exam 1	25%
Exam 2	25%
Exam 3	25%
Assignments	20% (= 4 Assignments * 5%)
Class Participation / Quiz	5%

- The following is a basic guideline of letter grades:

Top 5% or above	A+
Top 30% - 5%	A
Top 45% - 30%	B+
Top 65% - 45%	B
Top 75% - 65%	C+
Top 85% - 75%	C
Top 90% - 85%	D+
Top 95% - 90%	D
Top 95% or below	F

7. Class Policies

- **Homework problems** will be assigned. It is important that **each student work on each problem set independently**. **Emailed assignments that were not specifically requested by an instructor will not be considered submitted and will not be graded.**
- **Quizzes** will be given **without** any announcement. It is recommended not to miss the classes to take the quizzes. Very simple questions will be asked to measure the students' attendance and class participation.
- **Exams** cover class lectures, discussions, homework problems, and required readings. Exams must be taken on the scheduled date; NO exam will be given early or late. If you feel you have a legitimate excuse for missing an exam, please notify me in advance. Students missing more than one exam will be given an "F" for the course without any exception. A missed exam for any reason not deemed legitimate results in a score of zero. Likewise, dishonesty on any exam also results in a score of zero, and possibly, a failing grade for the course. There is NO 'dropping' of your lowest exam score.
- **Withdrawal from Class:** If you should decide to drop or withdraw from this course or withdraw from the University, you must comply with the official procedures (confer with the Office of the Registrar) or receive a grade of "F" for this course.

8. About your Instructor



I am an associate professor at the college of Business Administration of the Chung-Ang University since 2011. I hold a M.S. (2001) and PhD (2007) in Management Information Systems (MIS) from the University of Arizona and a B.S. in Material Sciences and Engineering from the Seoul National University in Korea (1998).

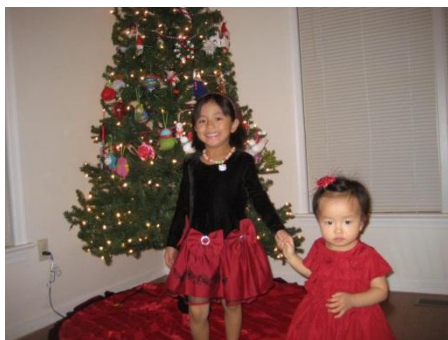
My major teaching assignment is Management Information Systems. I have taught Database Management and Production/Operations Management at the Salisbury University.

My interests in the area of MIS were motivated by both my academic and professional experiences.

Before joining the M.S. MIS program at the University of Arizona,

I worked for Samsung SDS for three and half years as an Information Technology (IT) consultant, where I experienced various types of jobs and responsibilities related to information systems development and management. These experiences allowed me to observe the diverse impacts of IT on business processes and organizational transformations.

In particular, I have been focusing on two critical research themes: the impact of IT outsourcing on firm knowledge levels, production costs, and coordination costs and the allocation of IT investment among business functions and its impacts on business value.



I have a five-year old little girl, Jungwon (Chloe) and eighteen-month old baby, Seunghyun (Claire).

This schedule is tentative and subject to modification

last updated: March 1, 2012

<i>Spring 2012– March</i>							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 <ul style="list-style-type: none"> • Course Introduction • Chapter 1: Data and Statistics 	4	5	6 Course Intro	7	8 Chapter 1	9	10
2 <ul style="list-style-type: none"> • Chapter 2: Descriptive Statistics: Tabular and Graphical Presentations • Chapter 3: Descriptive Statistics: Numerical Measures (A) 	11	12	13 Chapter 2	14	15 Chapter 3 (A)	16	17
3 <ul style="list-style-type: none"> • Chapter 3: Descriptive Statistics: Numerical Measures (B) • Chapter 4: Introduction to Probability (A) 	18	19	20 Chapter 3 (B)	21	22 Chapter 4 (A)	23	24
4 <ul style="list-style-type: none"> • Chapter 4: Introduction to Probability (B) • Chapter 5: Discrete Probability Distributions (A) 	25	26	27 Chapter 4 (B) Assign. 1 Due	28	29 Chapter 5 (A)	30	31

<i>Spring 2012 – April/May</i>							
Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
6 <ul style="list-style-type: none"> Chapter 5: Discrete Probability Distributions (B) Chapter 6: Continuous Probability Distributions 	1	2	3 Chapter 5 (B)	4	5 Chapter 6 Last day to withdraw	6	7
7 Exam Review Exam 1	8	9	10 Review Assign. 2 Due	11	12 Exam 1 (Chapter 1 – 6)	13	14
8 <ul style="list-style-type: none"> Chapter 7: Sampling and Sampling Distributions (online) Chapter 8: Interval Estimation (online) 	15	16	17 Chapter 7	18	19 Chapter 8	20	21
9 No Class	22	23	24	25	26	27	28
10 <ul style="list-style-type: none"> Chapter 9: Hypothesis Testing (A) (online) Chapter 9: Hypothesis Testing (B) (online) 	29	30	1 Chapter 9 (A)	2	3 Chapter 9 (B)	4	5

Spring 2012– May/June

Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
11 <ul style="list-style-type: none"> Chapter 10: Statistical Inferences about Means and Proportions with Two Populations (A) Chapter 10: Statistical Inferences about Means and Proportions with Two Populations (B) 	6	7	Chapter 10 (A)	9	Chapter 10 (B)	11	12
12 Exam Review Exam 2	13	14	Review Assign. 3 Due	16	Exam 2 (Chapter 7 – 10)	18	19
13 <ul style="list-style-type: none"> Chapter 11: Inferences about Population Variances Chapter 12: Tests of Goodness of Fit and Independence 	20	21	Chapter 11	23	Chapter 12	25	26
14 <ul style="list-style-type: none"> Chapter 13: Experimental Design and Analysis of Variance (A) Chapter 13: Experimental Design and Analysis of Variance (B) 	27	28	Chapter 13 (A)	30	Chapter 13 (B)	1	2

Spring 2012– June

Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat
15 <ul style="list-style-type: none"> Chapter 14: Simple Linear Regression (A) Chapter 14: Simple Linear Regression (B) 	3	4	5 Chapter 14 (A)	6	7 Chapter 14 (B)	8	9
16 <ul style="list-style-type: none"> Final Exam 	10	11	12 Review Assign. 4 Due	13	14 Exam 3 (Chapter 11 – 14)	15	16
17	17	18	19	20	21	22	23