ECON 3818-200

Introduction to Statistics with Computer Application

Fall 2008

Instructor: Meg   Nishimura
PhD student
Research Interests: International Trade, Industrial Organization

Class Meeting Times: MWF 13:00-13:50 @ CLRE 207

Office Location: ECON 309A

E-mail: Megumi.Nishimura@colorado.edu

Class Website: https://culearn.colorado.edu

Office Hours: MW 14:10-15:30 &   By Appointment

Teaching Assistant: Mr. James S Holladay

E-mail: James.Holladay@colorado.edu

Recitations:
211   2:00-2:50   M   HLMS 259
212   5:00-5:50   T   GUGG 206
213   11:00-11:50   W   HLMS 196

Course Description and Objectives:
This course will begin from the basic statistical concepts and introduce their applications to a variety of problems. A strong emphasis will be on the analysis of data which require extensive use of **Microsoft Excel** on the computer and **a graphing calculator** in class. To succeed in the course, you will need to keep up with all of the work (lecture, recitation, and homework, etc.). Also, reading the textbook carefully is necessary. Class and recitation attendance is mandatory.

Please note that while we will make use of the statistical tools in Excel, the class is primarily a statistics course and not a computer applications course.

Textbook:[Required]
David S. Moore *The Basic Practice of Statistics,* 4th Edition

Prerequisites:
ECON 1000 or 2010-2020 & 1078-1088 or MATH 1300 or MATH 1310 or MATH 1081 or MATH 1080, 1090 & 1100 or APPM 1350 or Equivalent.

Technical Requirements:
We will use Microsoft Excel. It is available in all campus computer labs, including the lab in the basement of Economics department. In addition to Excel, you will need a two variable graphing calculator that has functions for correlation, mean, standard deviation, and least squares regression line. This calculator will be necessary for exams.

Grading:
Midterm 1:   20% [**Wednesday September 24]**
Midterm 2:   20% [Wednesday November 5]
Final   :   30% [Thursday December 18   7:30 AM – 10:00 AM (!)]
Homework: 20% (Drop 2 problem sets out of 12)
Recitation: 10%

100-90%   A
89- 85%   B+
80- 84%   B
79-75%   C+
74-70%   C
69-65%   D+
64-60%   D
59 & below   F

Tentative Course Schedule:

Week of		Course Material	Difficulty Level	Problem Sets	
				Post	Due
1	8/25	ch 1 ch 2 (ch 3)	★	PS1	
2	9/1	ch 3	★★ (important)	PS2	PS1 (W 9/3)
3	9/8	ch 4 ch 5	★★★★	PS3	PS2 (M 9/8)
4	9/15	(ch 5) ch6	★★	PS4	PS3 (M 9/15)
5	9/22	Midterm 1: Wednesday September 24			PS4 (M 9/22)
6	9/29	ch 8 ch 10	★★	PS5	
7	10/6	ch 12 ch 11	★★	PS6	PS5 (M 10/6)
8	10/13	ch 14	★★★	PS7	PS6 (M 10/13)
9	10/20	ch 15	★★★	PS8	PS7 (M 10/20)
10	10/27	ch 16	★★★★	PS9	PS8 (M 10/27)
11	11/3	Midterm 2: Wednesday November 5			PS9 (M 11/3)
12	11/10	ch 18	★★★	PS10	
13	11/17	ch 19	★★★	PS11	PS10 (M 11/17)
14	11/24	Autumn Break			
15	12/1	ch 20	★★★	PS12	PS 11(M 12/1)
16	12/8	ch 21	★★★		PS 12(M 12/8)
17	12/15	Final Exam: Thursday December 18			

Homework :
- All problem sets must be submitted to me by the DUE DATE.
- You are requested to submit your homework <u>at the class </u>or <u>the homework box in the ECON department.</u>
- Please do not submit your homework by e-mail.
- Please do not submit your homework to Mr. James (your TA).
- I will post the problem set on CU Learn a week before the due date.
- Late homework will Never be accepted without official reasons.

General Policies

1. There will be NO make-up exam for this class without a formal document. If you need to take the final other than the scheduled time, you have to inform me at least 2 weeks ahead with a formal document.

2. If you have any question about the materials, like problem sets, you are more than welcome to come to my office hours.

3. Any concern or question about your grade should be raised within 1 week after it is posted on CU Learn.

Honor Code:

All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (horror@colorado.edu; 303-725-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at http://www.colorado.edu/policies/hono.html and at http://www.colorado.edu/academics/honorcode/

Expectations of Classroom Behavior:

Students and faculty each have responsibility for maintaining an appropriate learning environment. Students who fail to adhere to behavioral standards may be subject to discipline. Faculty have the professional responsibility to treat students with understanding, dignity and respect, to guide classroom discussion and to set reasonable limits on the manner in which students express opinions. See policies at http://www.colorado.edu/policies/classbehavior.html and a http://www.colorado.edu/studentaffais/code.html#student_code

Absences:

Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Please inform me as soon as possible so that the proper arrangements can be made. Students can see full details at http://www.colorado.edu/policies/fac_relig.html