

ECON 3818-300
Introduction to Statistics with Computer Applications

Spring 2009

- Instructor:** Watcharapong Ratisukpimol
- Class Meetings:** MWF 9:00 -9:50 AM
- Class Location:** CLRE 207 (Clare Small building)
- Class Time:** January 12th – May 1st, 2009
- E-mail:** ratisukp@colorado.edu (preferred method of contact and please include “ECON 3818” in subject of the e-mail.)
- Office:** ECON 401 (3rd floor of ECON building)
- Office Phone:** (303)-492-7116
- Office Hours:** Monday and Wednesday 10:00 - 11:00 AM or by appointment
- Webpage:** <https://webfiles.colorado.edu/ratisukp/>
The webpage is the most important resource for this class. All handouts, exams, answer keys and your grade are going to be posted on this site. It is your responsibility to check any updated information from the class webpage.
- <http://www.coursecompass.com/>
Course ID: ratisukpimol60808
This is the website that accompanies the textbook we will use. You will go here to complete your homework assignments and to find study and review materials.
NOTE: enter Access codes in ALL CAPITAL LETTERS when registering for CourseCompass.
- Prerequisites:** ECON 1000 or 2010-2020 and ECON 1078-1088 or equivalent math courses
- Teaching Assistant:** Kyle Fujimoto (kyle.fujimoto@colorado.edu)
- Recitations:** 311 W 4:00-4:50 PM CLUB 13
312 W 5:00-5:50 PM CLRE 302
313 M 8:00-8:50 AM ECON 119

Course Description:

This course is designed as an introduction to statistics and econometrics. For many of you, this may be your first course in statistics. As a result, one of the main goals of the course is to cover a broad range of concepts and techniques, as well as

applications of these concepts. We will make use of Microsoft Excel at various points throughout the course; however, this class is primarily a statistics course, not a computer applications course.

Required Textbook:

Intro Stats (3rd Edition) by De Veaux, Velleman, and Bock

This can be purchased from the bookstore and will come with an access code for the course compass website. Alternatively, you can buy an “electronic version” of the book at a lower price (around \$65) and get access to the website as well.

Technical Requirements:

We will use Microsoft Excel, which is available in all campus computer labs, including the one in the basement of the Economics building. You may find a graphing calculator (such as TI-83 or 84) useful, but I am not going to require that you have one. You will want some form of calculator (NOT a cell phone) for the exams.

Grading:

The scores for the course will be based on the standard scale:

93-100%	A	73-76%	C
90-92%	A-	70-72%	C-
87-89%	B+	67-69%	D+
83-86%	B	63-66%	D
80-82%	B-	60-62%	D-
77-79%	C+	0-59%	F

Evaluation:

Problem Sets 10%

These problem sets will be completed online approximately once a week. Depending on how many we have, I will drop your lowest one.

Recitation 10%

Your recitation score will be from your TA’s discretion.

Midterm Exam 1 20%

Midterm Exam 2 20%

Cumulative Final 40%

Exams:

We will take a total of three exams in this course. The midterms will be administered on February 13th (Friday) and March 18th (Wednesday). These exams will be held during the normal class time. The final exam is **compulsory** and **cumulative**. It is scheduled on May 4th (Monday) from 7:30 to 10:00 PM in our normal classroom. If you have three final exams scheduled for this day, please inform me as soon as possible so that I can arrange you to take my final on another day.

Tentative Course Schedule and course outline:

This schedule is subject to change if necessary. Any scheduling will be announced in class and posted on the class webpage.

Part	Topics	Chapters	Weeks
1	Understanding and Exploring Variables	1-6	1-2
	Martin Luther King Jr. Holiday (Mon 1/19)	No class	2
2	Probability and Random Variables	14-17	3-5
	Midterm 1 (Fri 2/13)	Midterm Review	5
3	Sampling	11-13	6
4	Inferential Statistics	18-25	7-10, 12
	Midterm 2 (Wed 3/18)	Midterm Review	10
	Spring Break	No class	11
5	Relationship between variables and Regression	7-10, 26-27	13-15
		Final Review	16
Final Exam on May 4 th (Monday) from 7:30-10:00 PM			

Additional Notes:

- I will provide you with a list of formulas for the exams. I will let you know before each exam which formulas will be provided.
- Office hours are held for your benefit. You are highly encouraged to come to my office hours with prepared questions. As it is seen from my experience, students who come to the office hours usually do better in this course.
- You are encouraged to work with your classmates. Study group is strongly recommended. Try to find your group members at the beginning of the semester.
- Make sure to check the webpage before going to the class. I will usually update the webpage every weekend. So please check it and notice my announcement.
- Doing homework and exercises from the textbook will help you learn how to use mathematical tools and familiarize you with problem solving techniques.
- After each exam, the grade will be posted. It is also your responsibility to verify your grades and inform me as soon as possible if there is any incorrectness.
- Lastly, if you are having problems in lessons, I am more than willing to help you. You just need to approach me either after the lecture's class time or during my office hours.

Policies:

Mobile Phones, Laptops, Newspapers and Other Class Distractions:

Please turn off all mobile phones and other electronic devices that may disrupt the class. Disruptive electronics and behavior will not be tolerated. Disruptive behavior includes, but is not limited to, reading the newspaper or magazine, working on your laptop, working on homework or reading for other classes, talking to classmates, listening to headphones, text messaging, playing with your pets, etc.

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. Faculties 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 at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code

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 (honor@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/honor.html> and at <http://www.colorado.edu/academics/honorcode/>

Religious Observance Policy:

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 notify 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

Disabilities Statement:

If you qualify for accommodations because of a disability, please submit to me a letter from Disability Services in a timely manner so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. Contact: 303-492-8671, Willard 322, and <http://www.Colorado.EDU/disabilityservices>. Time extensions for exams must be approved prior to the exam. If you have not talked to me personally prior to the exam you will not be granted an extension. Disability Services' letters for students with disabilities indicate legally mandated reasonable accommodations. Other letters/requests you may receive from agencies such as the Wardenburg Health Center, or other health providers (physicians or counselors) are not necessarily legal mandates. The syllabus statements and answers to Frequently Asked Questions can be found at <http://www.colorado.edu/disabilityservices>

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