

ECON 2121B
Method of Economic Statistics

This is an introductory course in Economic Statistics. This course is intended to be an introduction to basic concepts and tools for estimation and inference in economics and business related areas. Upon successful completion of the course, students should demonstrate their mastery of the basic statistical concepts and techniques covered in the course, develop their statistical thinking and reasoning skills, and feel comfortable in applying the statistical techniques and thinking in analyzing real data.

Course Information:

LECTURE: Tu 2:30PM - 5:15PM Esther Lee Bldg 405.

OFFICE HOURS: W 2:30-4:00 pm, 903 ELB.

COURSE WEB PAGE: http://www.sungpark.net/Econ_2121.html

TEACHING ASSISTANT: Anthony D. Wang <anthony.d.wang@cuhk.edu.hk> and Luo Gongshu <luogongshu@cuhk.edu.hk>; Lab sessions and office hours will be announced soon.

Textbook:

SWEENEY, DENNIS J., THOMAS A. WILLIAMS AND DAVID R. ANDERSON, *Fundamentals of Business Statistics*, 5th International Edition, South-Western, 2009. [**Required**]

MCCLAIVE, JAMES T. AND TERRY SINCICH, *Statistics*, 11th edition, Pearson Prentice Hall, 2009. [**Recommended**]

Course Evaluations.

1. **Participation.** Students are encouraged to actively participate in the class instead of just listening to the lecture. If you have any question about course materials or topics we discuss, you are encouraged to ask those questions, particularly during class.
2. **Homework.** There will be four problem sets throughout the course. Each problem set will be marked based on a 5-point scale. You can hand in your problem set in class or

submit it to the instructor's assignment dropbox (not mailbox) on the 9th floor of ELB by 5:15pm on the indicated due date. No late submission will be accepted. Teamwork on problem sets is welcome, but each student must write up the solutions individually. We will NOT consider any request for regrading a problem set.

3. **Exams.** There will be a mid term and final exams. The midterm will be in class (time TBA). There will be **NO** make-up midterm. If you miss the midterm, you will be given a zero mark for the exam, unless you are sick and can submit a medical note from or endorsed by the University Health Service within one week of the missed test. Approved students will have their midterm weight shifted to the final. The final examination that covers the whole material in order to check whether you understand the material properly.
4. **Grade.** Your grade will be determined based on your total scores which will be a weighted average of the followings: Homework (20%); Midterm (30%); Final (50%). The final examination that covers the whole material in order to check whether you understand the material properly. If you are not satisfied with grading of an examination or homework, you should submit your complaints in writing. After reviewing a written complaint, your entire examination or homework will be re-graded, and the result will be final.
5. **Make-Up** All students are expected to take examinations at the same time except for a special circumstance in which I may offer a make-up examination. If there is any conflict between the exam date and your special activity, you are required to inform me of the conflict as soon as possible but no later than two weeks before the date of examinations, and must have a proper document from a dean or other authorities to prove that you have a compelling reason. It is the responsibility of the student to supply the necessary documents in time. The rule will be strictly enforced. The dean or doctor's statement should explain why your particular concern prevents you from taking the test.
6. **Some comments.** Students are expected to attend the entire class. You should turn off your cell phone so that the other students can focus. It is your responsibility to make up for a missed class. Ask your classmates what you have missed. But do not expect me and TAs to be your private tutor. Do the readings before class. This will allow you to get more from the class and to more actively contribute to the class. Keep in mind that all the examinations and homeworks should be your own works. Otherwise, you will not have any point in this course. You will find some reminders or announcement in course website.

Tentative Course Schedule:

1. Descriptive statistics (Ch. 1-3) [Week 1-2]
2. Probability and distributions (Ch. 4-6) [Week 3-5]
3. Sampling distribution and interval estimation (Ch. 7-8) [Week 6-8]
4. Hypothesis testing (Ch. 9-11) [Week 9-11]
5. Linear regression (Ch. 12-13) [Week 12-14]

Honesty in Academic Work: Visit the following websites for details of the university policy on Honesty in Academic Work: www.cuhk.edu.hk/policy/academichonesty/