Econ 2121B Methods of Economic Statistics
2016 – 2017 Term 2
The Chinese University of Hong Kong

Instructor: YAN Jin
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Lectures: Wednesday 2:30pm – 5:15pm, Wong Foo Yuan Bldg LT4

Course Webpage: Access through CUSIS

Textbook: Statistics for Business and Economics with Aplia, 12th Edition (International Edition) by David R. Anderson; Dennis J. Sweeney; Thomas A. Williams; Jeffrey D. Camm; James J. Cochran. Cengage Learning.

Tutorial Hours: TBA (optional, but highly encouraged)

Course Description and Objectives:
This course studies basic statistical concepts and their applications. Major topics include: descriptive statistics; probability distributions; sampling; estimation; hypothesis testing; regression and correlation analysis. Students should have knowledge of elementary differential and integral calculus, and are advised to take ECON1111 before taking this course.

Upon successful completion of this course, students should demonstrate their mastery of the basic knowledge of statistical concepts and techniques, develop their statistical thinking and reasoning skills, and feel comfortable in applying the statistical techniques and thinking in analyzing data.

Recording:
Audio and/or video recording of the class is prohibited.

Requirements:
1. Class participation (5% bonus). You are required to come to class **on time**. We will randomly have a few attendance checks.
2. Four problem sets (20%).
3. Midterm exam (35%).
4. Final exam (45%). Final examination will be **cumulative**, but will emphasize the materials after the midterm exam.

Key Dates:
1. Problem sets will go out about every other week, and you will have about one week to do them. **No late problem sets are accepted.** If you choose to submit it late, a 50% discount is applied for each day after the due date. The number of days is rounded upward, e.g., 1 day 1 hour is rounded up to 2 days.
2. The **midterm exam** is scheduled at **class time** on **March 1 (Wed)**.
3. The date of the **final exam** will not be known till April as it is centrally scheduled by the University. **Early departure before the end of the exam period is NOT a valid reason for absence from the final exam.** Ensure that you are available on these exam dates, as exams will not be rescheduled for any student for any reason.
4. Students are responsible for announcements made in class and via E-mail.

Honesty in Academic Work:
Please visit the following website for details of university policy on Honesty in Academic Work: http://www.cuhk.edu.hk/policy/academichonesty/.

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I declare that the assignment here submitted is original except for source material explicitly acknowledged, and that the same or closely related material has not been previously submitted for same or different courses. I also acknowledge that I am aware of University policy and regulations on honesty in academic work, and of the disciplinary guidelines and procedures applicable to breaches of such policy and regulations, as contained in the website http://www.cuhk.edu.hk/policy/academichonesty/.

Signature   Date

Name   Student ID

Course code   Course title

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Course Schedule:

The course schedule is subject to changes as the semester proceeds. Students are responsible for keeping track of course materials at all times.

Week	Dates	Topic	Reading Chapters
1	Jan 11	Data and Descriptive Statistics	1-2
2	Jan 18	Numerical Measures	3
3	Jan 25	Introduction to Probability	4
4	Feb 01	*No Class* (Lunar New Year Holiday)	
5	Feb 08	Discrete Probability Distributions	5
6	Feb 15	Continuous Distributions	6
7	Feb 22	Sampling and Sampling Distributions (I)	7
8	**Mar 01**	**Midterm (In Class)**	
9	Mar 08	Sampling and Sampling Distributions (II)	7
10	Mar 15	Interval Estimation	8
11	Mar 22	Hypothesis Tests	9
12	Mar 29	Inference with Two Populations	10-11
13	Apr 05	Analysis of Variance	13
14	Apr 12	Simple Linear Regression	14
15	Apr 19	Review	