

National Tsing Hua University
ECON516600 Statistics (1st Semester 2023-2024)

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Office hours: By appointment

Teaching Assistant: TBA

Lecture Time: 13:20pm - 16:20pm, every Monday
Venue: TSMC 430
(Absence without prior approval will result in mark deduction.)

TENTATIVE Grading Policy:

Attendance, participation, and assignment (40%), Mid-term Examination (30%),
and Final Examination (30%)

Mid-term examination: TBA

Final examination: TBA

(Failure to attend the examination will result in zero mark.)

Textbooks:

Required: *Statistics for Business and Economics*, by Anderson, Sweeney, Williams,
Camm, Cochran, Fry, Ohlmann, Fourteenth Edition, Cengage Learning.

For reference: *Statistics for Managers using Microsoft EXCEL*, by Levine, Stephan,
Krehbiel, and Berenson, Fifth Edition, Pearson Education International.

Tentative Syllabus:

1. Descriptive statistics: numerical measures (Chapter 03)
2. Introduction to Probability (Chapter 04)
3. Discrete Probability Distributions (Chapter 05)
4. Continuous Probability Distributions (Chapter 06)
5. Sampling and Sampling Distributions (Chapter 07)
6. Interval Estimation (Chapter 08)

7. Hypothesis Tests (Chapter 09)
8. Inference About Means and Proportions with Two Populations (Chapter 10)
9. Inferences About Population Variances (Chapter 11)
10. Simple Linear Regression (Chapter 13)
11. Multiple Linear Regression (Chapter 14)

Attitude taken in this course:

Be humble, careful and simple. Needless to say, be logical.

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