Statistics 000360071 Syllabus

Spring 2025

- Instructor Information.

  – Instructor: Huang, Tzee-Ming

  – Email: tmhuang@nccu.edu.tw

  – Office hours: Monday 8:00-10:00 and by appointment

- Textbook. Statistical Techniques in Business and Economics (19th Edition) by Douglas A. Lind, William G. Marchal, and Samuel A. Wathen.

- Course Objective. The main objective of this course is to help students develop basic understanding of statistical inference and modelling. Some commonly used tests and models will be introduced, including two sample t tests, ANOVA, and regression.

- Grading Policy.

  – Homework (optional): $x\%$, where

  $$\frac{x}{30} = \frac{\text{homework scores earned}}{\text{homework total}}.$$

  – Midterm: $(50 - 0.5x)\%$

  – Final: $(50 - 0.5x)\%$

  Note.

  – After the class starts, homework problems will be posted weekly on the course web site at

    `https://stat.walkup.tw/teaching/statistics/S25/homepage.html`

  – Homeworks are to be turned in to the homework box. The homework box is outside the office of the department of statistics (at the 9-th floor of the College of Commerce Building).

- Additional Information.

  – The topics in the class schedule on Page 2 are subject to modification. Up-to-date reading schedule will be posted after the class starts on the course web site.

Tentative Class Schedule

Week	Content	Reading chapter(s)
1	Two-sample tests of hypothesis	11
2	Two-sample tests of hypothesis	11
3	Two-sample tests of hypothesis	11
4	Two-sample tests of hypothesis	11
5	Analysis of variance	12
6	Analysis of variance	12
7	Holiday	
8	Analysis of variance	12
9	Midterm	
11	Linear regression and correlation	13
12	Linear regression and correlation	13
13	Linear regression and correlation	13
14	Linear regression and correlation	13
15	Multiple regression analysis	14
16	Nonparametric Methods	15
17	Nonparametric Methods	15
18	Final	