

統計學 I (Statistics I)

Fall 2025

Instructor: 劉議謙

Office Hours: By appointment

課程目標

本課程目的在培養學生了解統計學基本原理，包含統計資料、機率論、機率分配、抽樣分配和估計與檢定。希望學生具有解決分析問題之基本能力。

教科書

Statistics for Business and Economics, 14e (or 15e), Anderson , Sweeney, Williams, Camm, Cochran 滄海書局

評分標準

實習課作業: 20%

期中與期末考：各 40%

課程規劃

Week	Date	Topics Covered	實習
1	9/11	Ch 1: Data and Statistics	9/9(OFF)
2	9/18	Ch 2: Descriptive Statistics: Tabular and Graphical Displays	9/16(OFF)
3	9/25	Ch 3: Descriptive Statistics: Numerical Measures	9/23
4	10/2	Ch 4: Introduction to Probability	9/30
5	10/9		10/7
6	10/16	Ch 5: Discrete Probability Distributions	10/14
7	10/23		10/21
8	10/30	期中考	10/28(OFF)
9	11/6	Ch 6: Continuous Probability Distributions	11/4(OFF)
10	11/13		11/11
11	11/20	Ch 7: Sampling and Sampling Distributions	11/18
12	11/27		11/25
13	12/4	Ch 8 Interval Estimation	12/2
14	12/11		12/9
15	12/18	期末考	12/16(OFF)
16	12/25	行憲紀念日放假	12/23(OFF)
17	1/1	元旦放假	12/30(OFF)
18	1/8	檢討考券和自主學習	1/6(OFF)