

統計學 I (Statistics I)

Fall 2026

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	9/8	課程介紹，Ch 1: Data and Statistics	9/10(OFF)
2	9/15	Ch 1: Data and Statistics	9/17(OFF)
3	9/22	Ch 2: Descriptive Statistics: Tabular and Graphical Displays	9/24
4	9/29	Ch 3: Descriptive Statistics: Numerical Measures	10/1
5	10/6	Ch 4: Introduction to Probability	10/8
6	10/13	Ch 5: Discrete Probability Distributions	10/15
7	10/20	Ch 5: Discrete Probability Distributions	10/22
8	10/27	期中考	10/29(OFF)
9	11/3	Ch 6: Continuous Probability Distributions	11/5(OFF)
10	11/10	Ch 6: Continuous Probability Distributions	11/12
11	11/17	Ch 6: Continuous Probability Distributions	11/19
12	11/24	Ch 7: Sampling and Sampling Distributions	11/26
13	12/1	Ch 7: Sampling and Sampling Distributions	12/3
14	12/8	Ch 8 Interval Estimation	12/10
15	12/15	Ch 8 Interval Estimation	12/17
16	12/22	期末考	12/24(OFF)
17	12/29	檢討考卷和自主學習	12/31(OFF)
18	1/5	自主學習	1/7(OFF)