

國立中正大學企業管理學系二年級教學大綱

編號：5202004_01
科目名稱：統計學(二)
英文譯名：Statistics (II)
修別 / 學分數：選修 / 3

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教學目標：

Statistics has become an indispensable tool in business, government, and virtually every academic discipline. Some familiarity with statistics is essential for all of us if we are to comprehend the world around us. The objective of this course is to provide a clear understanding of basic statistical concepts and techniques and to present well-organized procedures for applying them.

授課大綱：

The subjects covered include:

1. Hypothesis Testing (Review)
2. Statistical Inferences About Means and Proportions with Two Populations (Review)
3. Inferences about Population Variances (Review)
4. Tests of Goodness of Fit and Independence
5. Experimental Design and Analysis of Variance
6. Simple Linear Regression
7. Multiple Regression
8. Model Diagnostics and Model Building
9. Forecasting

教科書：

Anderson, Sweeney, and Williams [2019], “*Statistics for Business and Economics*,” 14th edition, South-Western, Cengage Learning.

「請尊重智慧財產權，不得非法影印教師指定之教科書籍」

參考書籍：

- [1] Bluman, Allan [2013], “*Elementary Statistics: A Step by Step Approach with Formula Card*,” 9th Edition, McGraw-Hill Companies.
- [2] Doane and Seward [2012], “*Applied Statistics in Business and Economics*,” International Edition, McGraw-Hill Companies..
- [3] Moore, David [2010], “*The Basic Practice of Statistics*,” 5th Edition, W. H. Freeman and Company.

評量方式：課堂參與：20% 小考：20% 期中考：30% 期末考：30%