朝陽科技大學 098學年度第2學期教學大綱
Quantitative Research and Statistics II 量化研究與統計(二)

當期課號	7328	Course Number	7328
授課教師	陳姿青	Instructor	CHEN,TZU CHING
中文課名	量化研究與統計(二)	Course Name	Quantitative Research and Statistics II
開課單位	應用外語系碩士班一A	Department	
修習別	必修	Required/Elective	Required
學分數	2	Credits	2
課程目標	本課程包括兩部份，第一部份涵蓋全部描述統計完整的範圍，主要內容爲常用的精簡各類資料的統計方法，及其結果的意義；第二部份闡述推論統計的基本概念與原理，主要內容爲假設考驗與估計的理論基礎及應用。藉由教材的循序結構，配合例題的講解實作，使學生能熟悉處理資料時的程序，對於資料分析結果能正確解釋其意義，並培養科學態度與邏輯思考能力。	Objectives	This course includes two parts. The first part covers whole area of descriptive statistics. The maim content is about statistical methods often used in simplifying different kinds of data, and the meaning of their results. The second part explains basic concepts and principles of inferential statistics. The main content is about theoretical foundation and application of hypothesis testing and estimation. Through the highly-organized teaching materials, along with the example explanations and practice, students should be familiar with the process of data analysis, and explain the meaning of the results correctly.
	統計應用分析 / Application and Analysis Statistics 參考用書 邱皓政（2008）。量化研究與統計分析(基礎版)：SPSS中文視窗版資料分析範例解析。台北市：五南。2008/03/13 (1版 4刷) 定價650 邱皓政（2008）。量化研究與統計分析：SPSS中文視窗版資料分析範例解析（3版)。台北市：五南。SPSS12中文視窗版 定價850 Anderson, A. J. B. (1989). Interpreting data: A first course in statistics. London ; New York: Chapman and Hall. 【LIS, Gen Lib 4F QA276.12 A42 1989】 Carpenter, R. L., & Vasu, E. S. (1978). Statistical methods for librarians. Chicago: American Library Association. 【LIS HA 29 C227】 Cone, J. D., & Foster, S. L. (2006). Dissertations and theses from start to finish: Psychology and related fields (2nd ed.). Washington, DC: American Psychological Association. 【Gen Lib 2F BF76.5 C645 2006】 Hafner, A. W. (1989). Descriptive statistical techniques for librarians. Chicago: American Library Association. 【LIS Z669.8 H33		統計應用分析 / Application and Analysis Statistics 參考用書 邱皓政（2008）。量化研究與統計分析(基礎版)：SPSS中文視窗版資料分析範例解析。台北市：五南。2008/03/13 (1版 4刷) 定價650 邱皓政（2008）。量化研究與統計分析：SPSS中文視窗版資料分析範例解析（3版)。台北市：五南。SPSS12中文視窗版 定價850 Anderson, A. J. B. (1989). Interpreting data: A first course in statistics. London ; New York: Chapman and Hall. 【LIS, Gen Lib 4F QA276.12 A42 1989】 Carpenter, R. L., & Vasu, E. S. (1978). Statistical methods for librarians. Chicago: American Library Association. 【LIS HA 29 C227】 Cone, J. D., & Foster, S. L. (2006). Dissertations and theses from start to finish: Psychology and related fields (2nd ed.). Washington, DC: American Psychological Association. 【Gen Lib 2F BF76.5 C645 2006】 Hafner, A. W. (1989). Descriptive statistical techniques for librarians. Chicago: American Library Association. 【LIS Z669.8 H33 1989】

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	Reading: research methods for social science chapter 4 6.Research paper sharing / Writing research proposals and reports Reading: research methods for social science chapter 7 7.Research discussion 8.Research proposal representation & critique Ⅰ 9.Research proposal representation & critique Ⅱ 10.Introducing SPSS Ⅰ Reading: SPSS & the Application and Analysis Statistics Chapter 3 & 4 11.Introducing SPSS Ⅱ Reading: SPSS & the Application and Analysis Statistics Chapter 3 & 4 12.Basic statistic analysis Ⅰ – t test Reading: SPSS & the Application and Analysis Statistics Chapter 9 13.Basic statistic analysis Ⅲ – ANOVA Reading: SPSS & the Application and Analysis Statistics Chapter 10 14.Basic statistic analysis Ⅱ – correlation coefficient Reading: SPSS & the Application and Analysis Statistics Chapter 6 15.Basic statistic analysis Ⅳ – Linear regression SPSS & the Application and Analysis Statistics Chapter 11 16.Research discussion 17.Final presentation & critique Ⅰ 18.Final presentation & critique Ⅱ		science chapter 4 6.Research paper sharing / Writing research proposals and reports Reading: research methods for social science chapter 7 7.Research discussion 8.Research proposal representation & critique Ⅰ 9.Research proposal representation & critique Ⅱ 10.Introducing SPSS Ⅰ Reading: SPSS & the Application and Analysis Statistics Chapter 3 & 4 11.Introducing SPSS Ⅱ Reading: SPSS & the Application and Analysis Statistics Chapter 3 & 4 12.Basic statistic analysis Ⅰ – t test Reading: SPSS & the Application and Analysis Statistics Chapter 9 13.Basic statistic analysis Ⅲ – ANOVA Reading: SPSS & the Application and Analysis Statistics Chapter 10 14.Basic statistic analysis Ⅱ – correlation coefficient Reading: SPSS & the Application and Analysis Statistics Chapter 6 15.Basic statistic analysis Ⅳ – Linear regression SPSS & the Application and Analysis Statistics Chapter 11 16.Research discussion 17.Final presentation & critique Ⅰ 18.Final presentation & critique Ⅱ
成績評量方式	1. 平時表現 30% 2. 期中考 30% 3. 期末考 40%	**Grading**	1. Classroom participation 30% 2. Mid-term examinatio 30% 3. Final examination 40%
教師網頁			
教學內容	本課程包括兩部份，第一部份涵蓋全部描述統計完整的範圍，主要內容爲常用的精簡各類資料的統計方法，及其結果的意義；第二部份闡述推論統計的基本概念與原理，主要內容爲假設考驗與估計的理論基礎及應用。藉由教材的循序結構，配合例題的講解實作，使學生能熟悉處理資料時的程序，對於資料分析結果能正確解釋其意義，並培養科學態度與邏輯思考能力。	**Syllabus**	his course includes two parts. The first part covers whole area of descriptive statistics. The maim content is about statistical methods often used in simplifying different kinds of data, and the meaning of their results. The second part explains basic concepts and principles of inferential statistics. The main content is about theoretical foundation and application of hypothesis testing and estimation. Through the highly-organized teaching materials, along with the example explanations and practice, students should be familiar with the process of data analysis, and explain the meaning of the results correctly.

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