

Syllabus Course Description of “Quantitative Research Methods” for Spring Semester 2024

Instructor: Dr. Wen-Ling Chen
Room: N207
Time: Mon. 13:20~16:20
e-mail: wenling@mx.nthu.edu.tw
LINE: ilovechildren

■ Course Description

This course has three purposes: 1) introducing history majors to current issues and methods in the quantitative research; 2) guiding students through the process of composing an original 20-25 page research paper, from definition to research to writing and revision; and 3) involving students in (re) conceptualizing the present research strategy on the behavioral sciences. In the semester, we will read several journal articles published in the recent five years to explore the possible research interests for students. These explorations of existing works should suggest the types of topics, issues, and contexts that students might pursue in their own mini study papers.

本課程有三個目的：1) 介紹定量化研究的策略與方法；2) 指導學生完成一篇20-25頁的原創的研究論文，從研究議題的選擇到文獻蒐集與寫作、研究方法的設計與資料蒐集的練習；3) 引導學生重新思考當前的行為科學研究策略的概念化。本學期，我們將閱讀近五年發表的幾篇期刊文章，探索學生可能的研究興趣，學生可能在小型研究論文中學習關於的研究主題、研究問題和探究方法設計的策略。

■ Textbook

Gravetter, F. J. & Forzano, L. B. (2018). Research Methods for the Behavioral Sciences (6th Ed.), Publisher: Cengage Learning.

■ References Book

1. Harkiolakis, N. (2017). Quantitative Research Methods: From Theory to Publication (1st ed.). Publisher: CreateSpace Independent Publishing Platform. ISBN-13: 978-1543148138
2. 邱皓政。(2019)。量化研究與統計分析：SPSS 與 R 資料分析範例解析（六版）。台北：五南。ISBN：9789577633408
3. 吳明隆。(2014)。論文寫作與量化研究(4版)。台北：五南。ISBN：9789571168708
4. 林秀雲譯。(2016)。Earl Babbie 著。社會科學研究方法(The Practice of Social Research 14/E)。台北：雙葉書廊。ISBN：9789865632540
5. 顏志龍、鄭中平。(2017)。給論文寫作者的統計指南：傻瓜也會跑統計(二版)。台北：五南。ISBN：9789571190167
6. 謝雨生譯。(2015)。Ranjit Kumar 著。研究方法：入門與實務(Research Methodology 4/E)。台北：雙葉書廊。ISBN：9789865668341

7. 蕭文龍。(2018)。統計分析入門與應用：SPSS 中文版+SmartPLS 3(PLS-SEM)(二版)。台北：碁峰。ISBN：9789864766390

■ Teaching Methods

- ◆ Lecturing：Making brief introductions to the quantitative research methods.
- ◆ Discussions：Leading students to make thorough analyses on the journal articles.
- ◆ Mini Study：Supervising students to conduct mini study in small groups.

■ 課程進度與內容

Week	Date	Content/Topic	Remark
1	2024/02/19	<ul style="list-style-type: none"> ■ Course Introduction ■ Topic 1 Introduction, Acquiring Knowledge, and the Scientific Method 	
2	2024/02/26	<ul style="list-style-type: none"> ■ Topic 2 Research Ideas and Hypotheses 	
3	2024/03/04	<ul style="list-style-type: none"> ■ Topic 3 Defining and Measuring Variables 	
4	2024/03/11	<ul style="list-style-type: none"> ■ Topic 4 Ethics in Research ■ Mini Study Discussion I 	<ul style="list-style-type: none"> ■ Each group presents the mini study research topic and ideas
5	2024/03/18	<ul style="list-style-type: none"> ■ Topic 5 Selecting Research Participants 	
6	2024/03/25	<ul style="list-style-type: none"> ■ Mini Study Discussion II ■ Topic 6 Research Strategies and Validity 	<ul style="list-style-type: none"> ■ Each group presents the mini study research backgrounds and literature
7	2024/04/01	<ul style="list-style-type: none"> ■ Topic 7 The Experimental Research 	
8	2024/04/08	<ul style="list-style-type: none"> ■ Topic 8 Experimental Designs: Between-Subjects Design ■ Mini Study Discussion III 	<ul style="list-style-type: none"> ■ Each group presents the mini study research hypotheses
9	2024/04/15	<ul style="list-style-type: none"> ■ Topic 9 Experimental Designs: Within-Subjects Design 	
10	2024/04/22	<ul style="list-style-type: none"> ■ Topic 10 The Nonexperimental and Quasi-Experimental Strategies ■ Mini Study Discussion IV 	<ul style="list-style-type: none"> ■ Each group presents the mini study research data collection planning
11	2024/04/29	<ul style="list-style-type: none"> ■ Topic 11 Factorial Designs 	
12	2024/05/06	<ul style="list-style-type: none"> ■ Topic 12 The Correlational Research Study 	
13	2024/05/13	<ul style="list-style-type: none"> ■ Topic 13 The Descriptive Research Strategy 	

Week	Date	Content/Topic	Remark
14	2024/05/20	<ul style="list-style-type: none"> ■ Topic 14 Single-Case Experimental Research Designs ■ Mini Study Discussion V 	<ul style="list-style-type: none"> ■ Each group presents the mini study research data analysis and results
15	2024/05/27	<ul style="list-style-type: none"> ■ Topic 15 Statistical Evaluation of Data Research 	
16	2024/06/03	<ul style="list-style-type: none"> ■ Individual Mini Study Report and Discussions 	<ul style="list-style-type: none"> ■ Everyone presents personal complete mini study about 10 minutes
17	2024/06/10	<ul style="list-style-type: none"> ■ Self-directed Learning: Preparation for Research Publication 	
18	2024/06/17 (Mon.)	<ul style="list-style-type: none"> ■ Self-directed Learning: Preparation for Research Publication 	

■ Grading & Assessments

Items	Percentage
1. Mini Study : small research group of 2~3 students is required to compose an original 20~25-page research paper. 迷你研究：由 2~3 名學生組成的小型研究小組，撰寫一篇 20~25 頁的原創研究論文。	90%
2. Participation 學習態度與參與	10%