101-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	數量方法專題研討	Serial No. / ID	2009 / MDR5115
Dept.	管理學院博士班	School System / Class	研究所博士班2年1班
Lecturer	童惠玲	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	Yes
Time / Place	(一)ABC / B101	Language	Chinese

Introduction

The course objectives:
1. training students to read the SSCI management journals, and discuss the statistical methods used journals. (A1, A2, C1)
2. introduce quantitative analysis of various statistical methods, and teach how to improve the statistical results of the techniques and skills. (B1, B4)
3. all kinds of statistical software and mathematical software (SPSS, AMOS, HLM, MAPPLE, MATLAB) the operation of introduction. (A1, B4)
4. TSSCI domestic journals were analyzed and discussed statistical methods commonly committed errors. (B1, B2, B4)
5. to enable students to understand the norms of academic ethics (B3).

Outline

Part I: Introduction to Quantitative
Introduction and dozens of variables in the statistical logic and statistical significance (SPEC)
Twenty-four kinds of statistical methods commonly used in de s c r i p t ion (statistical methods to analyze the object and the corresponding measure introduced) (SPC)
Part II: preliminary test questionnaire to produce a formal questionnaire
Questionnaire to the initial test for statistical analysis (SPSS data construction, a variety of basic assumptions of the test, missing value handling, project-related, reliability analysis) (SPC)
Exploratory and confirmatory factor analysis
Part III: Data were information processing: (SPC)
Part IV: hypotheses (SPC)
De s c r i p t ive statistics (frequency distribution, cross-analysis, multiple cross-analysis, multiple choice analysis) (SPC)
Correlation analysis (range, order, nominal scale of the correlation analysis) (SPC)
T test (univariate, multivariate T test) (SPC)
Analysis of variance (univariate, multivariate) (SPC)
Regression analysis (simple linear, stepwise regression, hierarchical regression, univariate, multivariate, multiple regression) (SPC)
Path analysis (SPC)
Linear structural model (SPC)

Hierarchical linear model (SPC)
Statistical analysis of the order of scale variables (SPC)
Statistical analysis of nominal scale (SPC)
Related added:
Canonical correlation, discriminant analysis, multidimensional scaling analysis, logistic regression analysis, cluster analysis

Prerequisite

Statistics, Applied Statistics