

中國文化大學 104 學年度碩士班考試入學招生考試試題

系所組：心理輔導學系碩士班

節次：第 2 節

科目：輔導研究法(含心理測驗與統計)

一、閱讀下述文章，然後用中文回答問題。（須標示題號並依序作答，不依序作答要扣分）（40分）

This study investigated the relationship between emotional intelligence factors and academic achievement in academically successful African American female college students. A purposive sample of 60 successful undergraduate female African American college students at local colleges and universities in a mid-Atlantic area were asked to voluntarily participate in this research study. Participants were asked to complete quantitative testing instruments which included: (1) the Subject Demographic Survey, (2) the Mayer-Salovey-Caruso Emotional Intelligence Test, (3) the Bar-On Emotional Quotient Test: Short and (4) the Kaufman Brief Intelligence Test, Second Edition. Next, in-depth qualitative interviews were conducted with twenty academically successful college-aged African American females to clarify understanding and supplement findings presented in the quantitative portion of the study. The methodology chosen solicited the students' perceptions about emotional intelligence as they relate to academic achievement.

Quantitative findings from the current study revealed: (1) no statistically significant correlation between African American female college students' emotional intelligence level and their academic performance (GPA); (2) a weak correlation between Stress Management [a component of emotional intelligence] and the academic performance (GPA) of African American female college students and (3) no statistically significant difference between African American female college students' emotional intelligence level and their academic level.

Qualitative findings from the current study provided explanatory power behind the quantitative findings because the qualitative interviews captured the components of the Bar-On Emotional Quotient Test: Short. The qualitative data also provided explanatory power beyond the quantitative findings in four additional themes: (1) a sense of identity as a woman, (2) association with African American heritage, (3) family structure or responsibility within the family structure, and (4) community connectedness and obligations.

It is important to further search the literature for instruments more sensitive to the relationship between emotional intelligence factors and academic achievement. Suggestions are made regarding curriculum development, the advising of students and student growth and development. Recommendations are made to replicate: (1) the study in another urban setting, (2) the study in a rural area and (3) the study using successful African American male college students in a similar environment.

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1. 本研究之主要目的為何？(2分)
2. 本研究之樣本如何選取？樣本的特性為何(2分)
3. 本研究使用哪些工具？(4分)
2. 本研究之研究方法有哪些？(2分)
3. 請寫出本研究的所有統計假設(包括 H_0 與 H_1)(6分)
4. 本研究使用了哪些統計方法？(4分)
5. 本研究統計分析後的研究發現有哪幾項？(3分)
6. 本研究除了統計分析方法外，另使用第二種研究方法，其名稱為何？其目的為何？(3分)
7. 依據第 6 題之第二種研究方法，所得研究發現之重點為何？(3分)
8. 根據本研究結果，作者提出哪些建議？(4分)
9. 你對本研究的評論為何？(例如優缺點)(4分)
10. 本研究的題目如何訂定才是適切的？(3分)

二、某學者想比較三種教學法在國一數學上的成效，自母群中隨機抽取樣本 90 人，再隨機分派為三組，每組人數相等。實驗後用單因子 ANOVA 分析比較三組差異，其結果如下表。(本大題合計共 35 分)

Source of variation	df	SS	MS	F	p
Between groups	(a)	(d)	(g)	5	.00
Within groups	(b)	(e)	2		
Total	(c)	(f)			

1. 將(a)至(g)項之答案分別算出，並寫在答案紙上(須依序標題號)(每小題2分共14分，)
2. SS之統計意思為何？(3分)；
3. MS之統計意思為何？(3分)；
4. ANOVA之基本假定為何？(3分)；
5. $P=.00$ 之意思為何？(3分)；
6. 由 $P=.00$ 之意思可推知至少 $\alpha=?$ (3分)。
7. 本題要使用何種統計檢定？(3分)，
8. 其統計檢定值是多少？(3分)

三、1.簡介生涯興趣量表(林幸台等人編)的內容(4分)；2.如何施測與解釋？(3分)
3. 施測結果如何應用？(3分) (合計共 10 分)

四、某智力測驗之信度係數為.91，標準差為 10，甲生智力測驗得 90 分，請問：

1. 在 95%的信賴水準時，其智力分數落在什麼範圍？(6分)
2. 本題用到什麼重要概念或公式？(3分)
3. 此公式算出之值和信度之關係為何？(3分)
4. 如果此智力測驗信度為 1，則甲生力之智力分數為何？(3分) (合計共 15 分)