

สมการพยากรณ์ในรูปคะแนนดิบ

$$\hat{Y}_{G.P.A} = 2.3277 + .0282 X_{T5}$$

สมการพยากรณ์ในรูปคะแนนมาตรฐาน

$$\hat{Z}_{G.P.A} = .2366 Z_5$$

ส่วนความถนัดด้านหลักการใช้ภาษา เป็นตัวพยากรณ์ที่เหมาะสมสำหรับใช้พยากรณ์คะแนนเฉลี่ยมาตรฐานรวม โดยมีประสิทธิภาพในการพยากรณ์ร้อยละ 5.42 สามารถเขียนเป็นสมการพยากรณ์ได้ดังนี้

สมการพยากรณ์ในรูปคะแนนดิบ

$$\hat{Y}_{NU} = 41.6774 + .6977 X_{T3}$$

สมการพยากรณ์ในรูปคะแนนมาตรฐาน

$$\hat{Z}_{NU} = .2329 Z_3$$

Thesis Title Relationship between Nursing Aptitude and Learning Achievement
 of Nursing Students .
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Major Program Educational Measurement and Research
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Abstract

The purposes of this research were to investigate the relationship between Nursing Aptitude and learning achievement of nursing students, and to find the predictors for creating the raw score and standardized predicting equation. The subjects were 115 third year nursing students enrolling at Nursing Faculty, Prince of Songkla University in the academic year of 1996. The instrument was Nursing Aptitude Tests, measuring six aptitudes which were numerical - table and graph, judgment - comprehension, expression, alertness, memory and reasoning, and having the reliability started from .5112 to .8013. The data were analyzed by using SPSS/PC⁺ program.

As a result, the study indicated that the memory and judgment - comprehension aptitude were significantly correlated with Grade Point Average (G.P.A) at .01 and .05 level consecutively. The expression and judgment - comprehension aptitude were significantly correlated with Mean Point Average at .01 and .05 level consecutively. The memory and expression aptitude were the good predictors of Grade Point Average (G.P.A) and Mean Point Average. Therefore, the raw score and standardized predicting equation were as follows,

Raw Score Equation :

$$\hat{Y}_{G.P.A} = 2.3277 + .0282 X_{T5}$$

Standardized Equation :

$$\hat{Z}_{G.P.A} = .2366 Z_5$$

Raw Score Equation :

$$\hat{Y}_{NU} = 41.6774 + .6977 X_{T3}$$

Standardized Equation :

$$\hat{Z}_{NU} = .2329 Z_3$$