



2. ปัจจัยที่สามารถร่วมกันพยากรณ์ปริมาณการผลิตผลงานการวิจัยของบุคลากรได้อย่างมีประสิทธิภาพ คือ ภาระงานสอนและเวลาที่ใช้ทำการวิจัย

ผลการสร้างสมการพยากรณ์ในรูปคะแนนดิบและคะแนนมาตรฐานของปริมาณการผลิตผลงานการวิจัยของบุคลากร มหาวิทยาลัยพายัพ ได้ดังนี้

2.1 สมการพยากรณ์ในรูปคะแนนดิบ

$$\hat{Y} = 30.59 - 1.00 \text{ Teach} + 0.928 \text{ Time}$$

2.2 สมการพยากรณ์ในรูปคะแนนมาตรฐาน

$$\hat{Z} = -0.237 \text{ Teach} + 0.237 \text{ Time}$$

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<b>Thesis Title</b>	Factors Affecting Research Production Quantity of Payap University's Staff	
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### ABSTRACT

The purpose of this research was to study the factors affecting research production quantity of Payap university's staff and formulate discriminant function to predict research production quantity, the problem of research products and method supporting of production research of Payap university's staff. The independent variables of study are duty of teaching, the time product research, the budget supporting to product research, background of researching, attitude of researching, achievement motivation, supporting from any department and data concerning with, supporting from commander and colleagues, consideration of production research.

The sample group is one hundred and fifty-five Payap university's staff in 2002.

The results of research are:

1. The factor relate with research production quantity of Payap university's staff are : duty of teaching, the time product research and attitudes of researching. The duty of teaching has negative relationship with research production quantity. The coefficient correlation is  $-.263$  and significant level is  $.05$ . The time to product research and attitude of researching has positive relationship with research production quantity. The coefficient correlation is  $.263$  and  $.240$  respectively and significant level is  $.05$ .

2. The factors that predict the research production quantity of the staff by successfully are : the duty of teaching and the time to product research.

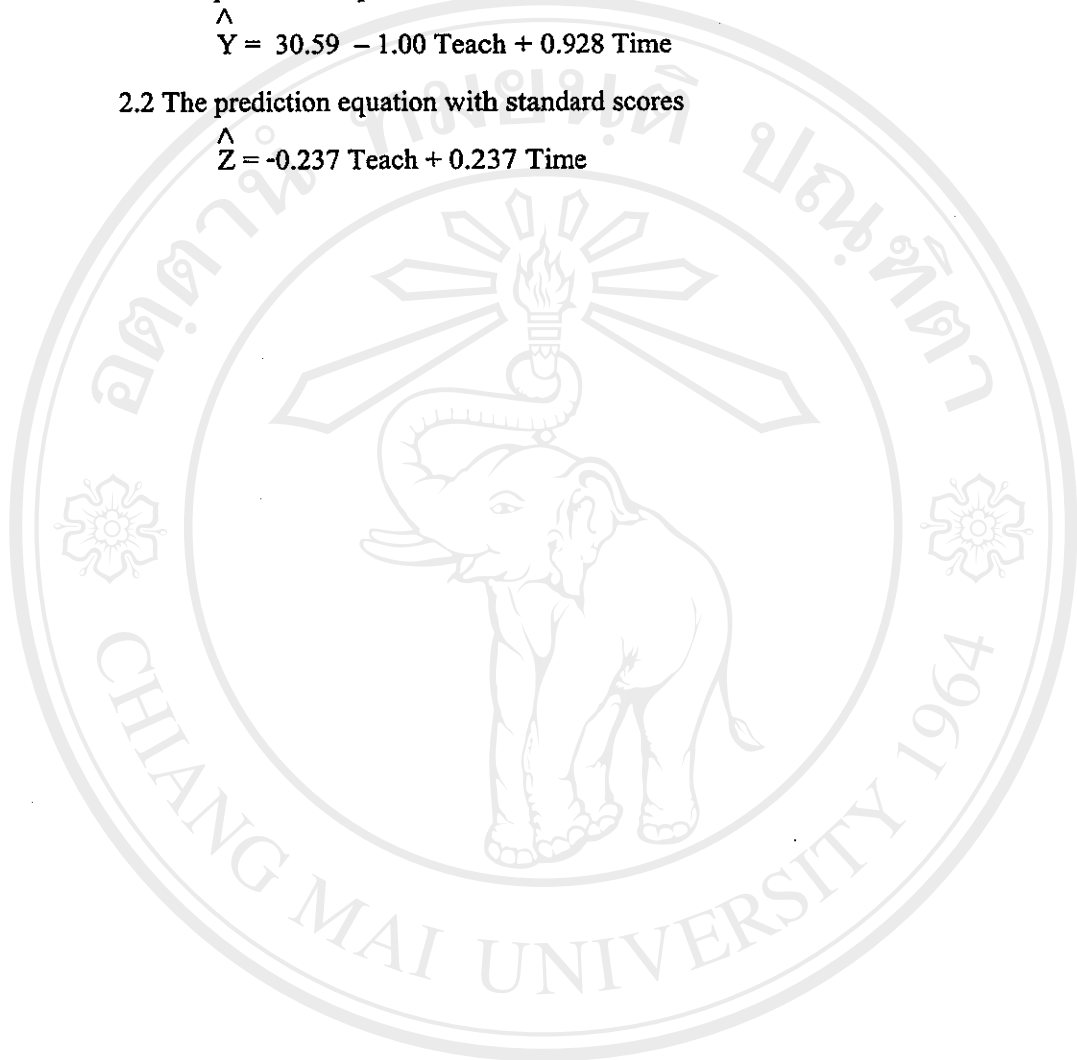
The result of the prediction equation with row scores and standard scores of research production quantity of Payap university's staff . The equation show as follows :

2.1 The prediction equation with row scores

$$\hat{Y} = 30.59 - 1.00 \text{ Teach} + 0.928 \text{ Time}$$

2.2 The prediction equation with standard scores

$$\hat{Z} = -0.237 \text{ Teach} + 0.237 \text{ Time}$$



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