

ABSTRACT

Thesis Title : A Study of the Proper Predictive Equations of Mathayom
Suksa-three-Students' Achievement on English
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Advisory Committee :

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The purposes of the study were to investigate the type of relationship between predictive variables and the students' academic achievement on English and to find the suitable equation for predicting academic achievement from 9 predictive variables. They were the attitude towards the English Language subject, the attitude towards the English teachers, the achievement motive, the self - concept. The attention paid to studying, the quality of teaching, the physical environment of a school, the academic atmosphere of a school and the parental guides and support. The samples were 294 students of Mathayom Suksa- three- students from schools in group 4 under the Department of General Education in the Central. To analyzed the data Using SPSS/PC ⁺ to find the correlation coefficient, the simple regression analysis and the stepwise multiple regression analysis.

The results of study were :

1. The relationship between the predictive variables and their academic achievement on English showed significance at .01 level. The predictive variables were 6 with positive relationship ; attitude on English (X_1), attitude on English teachers (X_2), the self - concept (X_3), the quality of teaching (X_6)

2. The equation for predicting academic achievement on English in the following raw score and standard score;

2.1. The equation with predictive variable, the attitude on English (X_1)

$$Y'_i = -3.56 + .32X_1$$

$$Z'_i = .48Z_1$$

2.2. The equation with predictive variable, the attitude on English teacher (X_2)

$$Y'_i = 8.16 + .11X_2$$

$$Z'_i = .36Z_2$$

2.3. The equation with predictive variable, the achievement motive (X_3)

$$Y'_i = 6.47 + .11X_3$$

$$Z'_i = .24Z_3$$

2.4. The equation with predictive variable, the attention paid to studying (X_4)

$$Y'_i = 8.61 + .13X_4$$

$$Z'_i = .25Z_4$$

2.5. The equation with predictive variable, the self-concept (X_5)

$$Y'_i = 6.04 + .14X_5$$

$$Z'_i = .24Z_5$$

2.6. The equation with predictive variable, the quality of teaching

(X_6)

$$Y'_i = 9.82 + .05X_6$$

$$Z'_i = .22Z_6$$

3. The best equation used for predicting academic achievement was a stepwise regression equation with predictive variables I.C, attitude on English (X_1) , attitude on English teachers (X_2) , and the physical environment of a school (X_7) in the following raw score and standard score ;

$$Y'_i = - 3.28 + .30X_1 + .08X_2 - .14X_7$$

$$Z'_i = .45Z_1 + .20 Z_2 - .19Z_7$$