PINYO VANNASUK : THE APPLICATION OF LOGISTIC REGRESSION ANALYSIS AND PATH ANALYSIS TO STUDY FACTORS AFFECTING ELEMENTARY SCHOOL STUDENTS' CONTINUING EDUCATION EXPECTATION IN EDUCATIONAL REGION ELEVEN. THESIS ADVISOR : ASST. PROF. NONGLAK WIRATCHAI, Ph.D. 160 pp. ISBN 974-638-817-7.

The purposes of this research were to apply logistic regression analysis together with path analysis in developing and validating the elementary school students' continuing education expectation model, in comparing the appropriation between the path analysis using the odds ratio and the predicted expectation scores from the multiple regression as dependent variables, and in studying the extent to which the predictors in the model could predict the odds ratio between the expectation of continuing / not continuing education. The research sample consisted of 500 students randomly selected from prathom suksa 6 students in the academic year 2540 from educational region eleven. Data were collected by means of questionnairs and analyzed through SPSS/PC+, PRELIS 2.10 and LISREL 8.10 programs

The research results indicated that the developed model of continuing education expectation could accounted for 90.9 % of variance in the students' continuing education expectation, and it was perfectly valid and fit to the empirical data with chi-square of 2.139 at 2 df, p= 0.343, GFI= 0.999. Parental expectation for furthering their children education, parental education and income, and student achievement had significant direct effects on students' continuing education expectation. All predictors were found to have significant indirect and total effects. Path analysis with log odds ratio, rather than with predicted expectation scores, was more appropriate. The predictors, ranked in the consecutive order of contribution in predicting odds ratio of continuing education expectation, were student achievement, parental yearly income greater than 60,000 Baht, parental agricultural occupation, prental expectation for furthering their children education, and parental education, respectively.

ภาควิชา......วิจัยการศึกษา............................ ลายมือชื่อนิสิต..

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ปีการศึกษา....2540...................................... ลายมือชื่ออาจารย์ที่ปรึกษาร่วม......................