

Thesis Title                    An Analysis of Variables Discriminating the  
Groups of People Participated and Not Participated  
in Health Card Project, Changwat Phrae  
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### ABSTRACT

The purposes of this research were twofold; (1) to select and rank the variables explaining the differences between the two groups of people participated and not participated in Health Card Project, Changwat Phrae, (2) to create the discriminant function including those variables. The samples of this study were composed of 130 participated and 130 not participated, head of families who lived in the village that Health Card Project implemented during 1 October to 30 November 1986. The instruments for data collecting was 9 sets of interview which developed by the researcher. Discriminant analysis by Stepwise method was used for data analysis.

The results of this study revealed that 9 out of 13 variables were included in the discriminant function. The only 8 important variables were able to classify the groups of participated and not participated in Health Card Project. Those 8 variables ranked by their importance were health care advantage, community

participating, project understanding, family size, family income, health behavior, modernization and health personnels appreciation.

The variables namely health care disadvantage, community participating, project understanding, family size, family income and health behavior tend to be the variables of people participated in Health Card Project. On the other hand, the variables namely modernization and health personnels appreciation tend to be the variables of the groups of people not participated in Health Card Project.

The discriminant function includes the 9 discriminating variables was the following:

$$D = 0.571Z_4 + 0.438Z_9 + 0.400Z_{11} + 0.378Z_3 + 0.326Z_2 \\ + 0.290Z_5 - 0.280Z_{10} - 0.246Z_{13} + 0.196Z_{12}$$