

HOUSEHOLD CLASSIFICATION AND IMPACT FACTORS ON FAMILY INCOME USING MULTIVARIATE ANALYSES IN THE BUFFER ZONE OF BA VI NATIONAL PARK, HANOI

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Summary

Local communities living in Ba Vi national park are dependent on forest. Their livelihoods are mainly from agricultural and forestry activities. Livelihood development of communities living in the buffer zone is a matter of concern. To solve this issue in Ba Vi commune, the Ba Vi national park buffer zone, the paper investigated the data collected from 80 households. The research has conducted household classification using multivariate analysis and analyzed influencing factors on income for each household group. The study has identified 23 important indicators and classified households into 3 groups in the study area. The paper has analyzed the differences between households' groups through 6 basic characteristics' groups. Analysis results of influencing factors showed that the production cost, occupation of the household head, education level had a great impact on the household group 1; The value of assets, number of income generating activities and job of household head affect group 2, and group 3 was affected significantly by number of income generating activities, number of times in the forest. This is an important basis to propose appropriate livelihood development solutions for each target group. Accordingly, group 1 should focus on intensive farming, farm economy and medicine job; group 2 should overcome constraints in farming on sloping land, increase capital investment, apply techniques to improve the efficiency of production models. There should be comprehensive solutions to reduce poverty and increase income for the group of 3.

Keywords: *Multivariate household classification, impact factor, livelihood development, household, Ba Vi.*