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Consumption of the nutritional services in the South Eastern region of Madagascar

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This study was led in the objective to understand the invariable elements of the consumption of the Nutritional services in the South Eastern region of Madagascar. The consumption of the nutritional services is strategic for the households. This hypothesis has been confirmed on stratified sample of fifteen households in four Fokontany, the base of administrative division in Madagascar, which have nutrition services. Twenty-seven (27) variables were used as basis for the elaboration of the model. The consumption of the nutritional services is considered as a function of strategy (Y). The model is expressed as follows: $C = f(Y) + \epsilon$. The approach consists in estimating the relation of dependence between variable "the consumption of the nutritional services" and Twenty-seven the other variables, including 12 variables of consumption of the health services and 15 variables characteristic of the households. For the mathematical model, the relation between the consumption of the nutritional services and the strategy are expressed by the following equation: $Y_i = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 + \dots + \beta_k X_k + \epsilon_i$, where Y_i refers to the consumption of the nutritional services i ; $X_1 \dots X_k$ are exogenous variables relating to this last and the household to which it belongs; ϵ_i are the random term and β_0 is the constant. The multiple linear regressions allowed analyzing the links between the variable consumption of the nutritional services to explain and several independent explanatory quantitative variables. The software used is XLSTAT 2008. The value of (t) of Student is significant when: $|t| > 1.96$ and P-value < 10%. The results showed that several variables explain the consumption of these services according different coefficients. The main variables include the level of education of the mother, the origin of the water used for cooking by the household, religion, addiction to alcohol and tobacco, the perception of these services and consumption health services. The nutritional services are part of household risk management strategies in the context of the social, institutional and cultural of the area studies.

Biography

Romaine Ramananarivo is Full Professor at "Ecole Supérieure des Sciences Agronomiques of Antananarivo's University. She set up the PhD training in Agro-Management (November 2002 to December 2014) where she is the first responsible. Since 2005, she has been member of International Society for Horticultural Science (ISHS) and since 2010, the council representative of Madagascar. Since August 2014, she is the Vice Chairperson of the Commission of Education, Research and Consultancy of ISHS. Since November 2013, she is the Head of the host team "EA Agro-Management, sustainable Development and Territories". She was Chairman of the independent steering Committee of Competitive Funds for Applied Research / Project of Support for Rural Development (FCRA/PSDR) (2004-2012). She has managed two national and international projects from 2012 to 2014: the land tenure (Collectif SYLVA TERRA) and PESMIX (Mix Payment on Environmental Services) in Madagascar with CIRAD Montpellier. She is General Manager of a private university "ESMIA" (Ecole Supérieure de Management et d'Informatique Appliquée) in Madagascar.

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