

COMPARING TWO CLASSIFICATION METHODS:
ANALYSIS OF HEALTH AND NUTRITION
INDICATORS FROM THE 1999 MULTIPLE
INDICATOR CLUSTER SURVEY (MICS)

A Special Problem
Presented to the Faculty of the School of Statistics
University of the Philippines

In partial fulfillment of the requirements
for the degree of
Master of Statistics (MOS)

By

ELIAZAR REARIO DIMALAPANG

October 2002

ABSTRACT

Cluster Analysis and Multidimensional Scaling were used to analyze the Health and Nutrition Indicators of the 1999 Multiple Indicator Cluster Survey (MICS). The MICS attempted to measure how the Philippines, as a participant to the World Summit for Children in 1990, had fared in implementing target goals for the survival, development, and protection of children at end – decade. This study determined which method provided better classification of health and nutrition variables. Regression and correlation analyses were used to assess the classification results.