

บทคัดย่อ

RESEARCH PROBLEM IDENTIFICATION: THEORY AND METHOD

Titaya Suvanajata

Research is an indispensable component of science. Among various steps of research process, the problem formulation hold a strategic position. The article advocated the significant contribution of phenomena, curiosity, ideology and theoretical concept in the process of identifying the problematic variable. To accomplish an acceptable research, the researcher has to consciously examine the interaction effect of the said four factors. Also the article capitalized some of the problems to be encountered by Thai social science researchers.

SAMPLE SURVEY : A TOOL FOR RESEARCH

Prachoom Suwatce

The role of sample survey as a tool for research in various fields has been explained. It is one of the most popular methods of data collection, both in experimental and survey designs. Its values in different and diversified fields have been mentioned.

Census and sample survey were compared. Sample surveys have potential advantages over a complete enumeration in greater economy, shorter timelag, greater scope, higher quality of the data, and actual appraisal of reliability. Probability sampling and non-probability sampling were mentioned. Steps for the statistical sample survey operations were given including planning the survey, collection of the data, processing of the results and preparation of the reports.

Systems of probability sampling were presented using different criteria, namely, probability used, replacement of the sampling units, stratification and clustering, and stages of sampling. Other methods of sampling were also presented.

Some sample surveys conducted by various statistical and research organizations in different countries in this region of the world were given as examples of real-life surveys. Sampling plans used in these surveys were stressed.

USE OF COMPUTER AS A TOOL FOR DATA STORAGE

Srisakdi Charmonman

Most researchers in Thailand usually overlooked the basic steps necessary for successful application of computer for data storage. Therefore this paper will discuss how to put the data in computer readable form, how to edit and purify the data, the various types of data preparation equipments, data storage media and data base system.

AN OPERATIONS RESEARCH APPROACH IN DEVELOPMENT PLANNING OF A DEVELOPING COUNTRY

Vichit Lorchirachoonkul

A mathematical model of development planning in a developing country is formulated from operations research points of view incorporated with Leontief's Input-Output model. Some limitations of Leontief's Input-Output model are thus eliminated. The objective function considered in this paper is to minimize the development investment so as to achieve the required economical targets. The export-import alternatives of some products are allowed during the development period. Constraints due to limited resources and deficit in foreign exchange are also considered. Some difficulties in implementation of the model are discussed.
