

Research Title

Statistical Package Development for

Testing the Efficiency of Statistical Tools

Author

Mr. Snit Sitti

M.S.

Applied Statistics

Examining Committee :

Asst.. Prof. Preecha Lamchang

Chairman

Asst. Prof. Angkarb Boonyoi

Member

Assoc. Prof. Sanan Supasai

Member

Abstract

This study is to develop a statistical computer package for testing the efficiency of statistical tools such as questionnaire, interview form, observation form, attitude scales and test form. The efficiency tested includes reliability, validity, objectivity, discrimination and efficiency.

This package could run on microcomputer of at least 16 bits with either color or monochrome monitor and PC-DOS or MS-DOS of at least one disk drive. The Turbo Pascal version 7.0 are utilized with pulldown menu and thai display, user interface on interaction mode. As comparatively to SPSS/PC+ package, this smaller size of program can do the same statistical analysis with quite a shorter time and simple utilization. SPSS/PC+ is more difficulty to use and requires big program, running on hard disk. Moreover, their results of statistics computed are comparatively the same. This program can be widely used because it compatible has also the data structure with the dBASE III plus.