

C840583 : MAJOR EDUCATIONAL STATISTICS
KEY WORD: STATISTICS TEXTS / EVALUATIVE

AMPA WATCHAROTAYANGKURA : AN EVALUATIVE ANALYSIS OF SELECTED
STATISTICS TEXTS USED IN THE FACULTY OF EDUCATION, CHULALONGKORN
UNIVERSITY. THESIS ADVISOR : ASSIST. PROF. NONGLAK WIRATCHAI, Ph.D.
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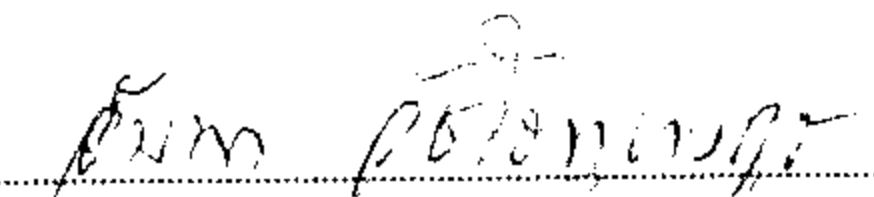
The purposes of this research were to analyze and evaluate the quality of the selected statistics texts used in graduate education, Faculty of Education, Chulalongkorn University, employing 11 evaluative aspects, and to develop and present the composite indicators indicating the quality of statistics texts deriving from evaluative results. The research instruments were 2 evaluative forms : one for graduate students and the other for the statistics instructors and a recording form, together with 3 selected statistics texts and 3 small texts extracting from the original texts. The research sample consisted of 6 statistics instructors, 60 Master's degree students and 10 doctoral degree students who registered in the academic year 2539 at the Department of Educational Research. Data were analyzed using descriptive statistics, oneway anova and exploratory factor analysis through SPSS/PC⁺.

The evaluative analysis results of statistics texts indicated that there was no significant difference among the three groups of evaluators; the quality of 3 statistics texts were quite similar in 11 evaluative aspects; reading difficulty index measuring by fog index of the statistics text A was a bit lower than those of text B and C; all 3 groups of evaluators would recommend others to use those three texts even though there were some portions in the texts that need improvement. The development of indicators indicating the quality of statistics texts yielded 3 composite indicators. The first one : the general factor of the texts, consisted of text characteristics, writing styles, content presentation, content covering, content accuracy, content enabling better understanding, text supplement, and writer's characteristics. The second one, the exercise, consisted of exercise characteristics. The third one, instruction, consisted of readability and teaching instruction.

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