



De La Salle University - Dasmariñas
GRADUATE PROGRAM

An Analysis of the Statistical Tools Used in the Undergraduate Theses of
De La Salle University - Dasmariñas for the School Year 1996-1997

0770

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ABSTRACT

NAME OF INSTITUTION : De La Salle University - Dasmariñas
ADDRESS : Bagong Bayan, Dasmariñas, Cavite
TITLE : An Analysis of the Statistical Tools Used in
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OBJECTIVES OF THE STUDY:

A. GENERAL:

This study attempted to analyze the theses made by the undergraduate students of the College of Arts and Sciences (CAS) in De La Salle University - Dasmariñas for the school year 1996-1997 in terms of the appropriateness of the statistical tools used.

B. SPECIFIC:

1. To determine the profile of the undergraduate theses grouped according to:



- a. course;
 - b. statistician (DLSU-D faculty or not);
 - c. research design;
 - d. number of researchers.
2. To determine the percentage of these undergraduate theses that used appropriate statistical tools.
 3. To determine the percentage of these undergraduate theses that used inappropriate statistical tools.
 4. To determine the frequently committed mismatches of statistical tools and data by the researchers in the undergraduate theses.
 5. To determine what could have been the appropriate statistical tools.

This study focused on the appropriateness of the statistical tools used in the undergraduate theses of the College of Arts and Sciences students in De La Salle University - Dasmariñas of the school year 1996-1997 except those of the Bachelor of Science in Computer Science students.

The descriptive analysis was employed to determine the profile of the undergraduate theses, the appropriateness of the statistical tools and the frequently committed mismatches of the statistical tools and the data in the undergraduate theses.



The major finding of the study is: five undergraduate theses were considered to use inappropriate statistical tools due to the following reasons: (a) violated the assumption of chi-square test, which requires the expected frequency of at least five to a cell, (b) unknown test was used, and (c) incomplete testing.

The study concludes that: (a) Some student researchers were not given competent statisticians and (b) It is also very important to check the statistical tools because statisticians themselves sometimes overlooked the assumptions of the statistical tests.

The study recommends that: (a) The undergraduate theses that made use of inappropriate statistical tools should be taken out of the circulation in the library, (b) A more rigid examination of the statistical tools by the advisers, panelists, statisticians, and the researchers themselves should be done, (c) If there are no competent statistician, qualified thesis adviser and panel members, the students can be advised to make an expanded term paper or a livelihood program, (d) All the undergraduate theses of De La Salle University - Dasmariñas be checked for the appropriateness of the statistical tools used by qualified and competent statisticians, and (e) There is a need to strengthen the Methods of Research and Statistics courses.



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to Evaluate Theses and Dissertations

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