CORRELATION BETWEEN ACADEMIC PERFORMANCE AND NSAT PERFORMANCE OF THE FOURTH YEAR HIGH SCHOOL STUDENTS IN PRIVATE SCHOOLS IN LOWLAND CAVITE SY 1994-1995

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AELENE E. PAPA

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ABSTRACT

Author : Papa, Aelene Esguerra

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Objectives:

General:

To find out if there is a correlation between academic performance and NSAT performance of the fourth year high school students in private schools of Lowland Cavite school year 1994-1995.

Specific:

This study aimed to:

1. find out the academic performance of the fourth year high school students from the private secondary schools in Lowland Cavite, school year 1994-1995.

2. determine the level of NSAT performance of the respondents;

3. verify if there are significant differences in academic performance when the respondents are grouped according to sex and age;

4. find out if sex and age had significant relationship to NSAT performance; and

5. determine if there is correlation between academic performance and NSAT performance.

Methodology

Data Gathering:

> Ss: 3043 fourth year high school students in 13 private secondary schools in 8 towns in Lowland Cavite
>
> Documentary analysis of the results of the 1995 NSAT and final grades was conducted.

Data Analyses

F-test or One-Way ANOVA, t-test of uncorrelated means, and Pearson Product Moment Correlation were the main statistical treatments used to investigate the hypothesized relationship of variables. The Duncan Multiple Range Test (DMRT) was used to determine exactly where the significant differences lie after significant F-ratio were obtained.

Summary of Findings

The following findings resulted from this study:

1. The mean academic performance is 80.79 which was

described as good. The mean academic performance in Mathematics is 81.25, in Science is 79.57, in English is 79.72 and 82.27 in Filipino. These findings showed that the respondents' academic performance was good in each subject area.

2.   The mean NSAT performance is 80.17 which was described as good. It was higher than the lowest possible score of 60. The mean NSAT performance in Mathematics is 78.77, in Science is 77.67, in English is 80.70 and 83.54 in Filipino.   These findings showed that the respondents' performance was good in Communication Arts and fair in Science and Mathematics.

3.   Sex was related to academic performance.   The female respondents performed better than the male respondents in four subject areas (Mathematics, Science, English, Filipino).   Age was also found related to academic performance. The younger respondents performed better in four subject areas (Mathematics, Science, English, Filipino).

4. Sex and age were both found related to NSAT performance in four subject areas (Mathematics, Science, English, Filipino).   The female respondents performed better than the male respondents in four subject areas of NSAT. Midaged (16 and 17 years old) respondents performed higher in four subject areas of NSAT (Mathematics,

Science, English, Filipino).

5.   It was found that average academic performance had high correlation with average NSAT performance. Academic-Math had moderate correlation with NSAT-Math; Academic-Science had moderate correlation with NSAT-Science; Academic-English had moderate correlation with NSAT-English; and Academic-Filipino had moderate correlation with NSAT-Filipino. Such correlations were highly significant.

Conclusions

In the light of the above findings, the following conclusions were drawn:

1.   The fourth year private high school students of Lowland Cavite, SY 1994-1995 had good academic performance in Mathematics, Science, English and Filipino.

2.   The fourth year private high school students of Lowland Cavite, SY 1994-1995 had good performance in NSAT Mathematics, Science, English, and Filipino.

3. The two demographic variables namely: sex and age were significantly related to academic performance in Mathematics, Science, English, and Filipino. Respondents who were female and younger performed better academically. The conscienciousness in studies of the female respondents could have accounted for their edge in academic performance. The older respondents could have been

repeaters who did not fair well academically.

4. Sex and age were related to NSAT performance in four subject areas (Mathematics, Science, English, Filipino). Female and midaged (16 and 17 years old) respondents performed higher in the four subject areas of NSAT. Greater responsibility on the part of the female and mid-aged respondents could have caused them to do better than the less responsible young respondents and slow performing older respondents in a single measure of achievement like the NSAT.

5. Academic performance in four subject areas (Mathematics, Science, English, Filipino) could predict NSAT performance. Those who performed high in academic subjects were also those who performed high in the four subject areas of NSAT. Those who performed low academically in four subject areas were also those who performed low in the NSAT. These suggest that the methods of giving grades were probably sound and could really describe the achievement of the graduating students. The NSAT could also be predicted by the achievement of the graduating students.

Recommendations

In the light of the findings in this study, the following are recommended:

1. The inclusion of NSAT grades as a part of the

final rating of the fourth year secondary students could be continued since there is significant correlation between NSAT performance and academic performance.

2. School administrators could conduct their own study on the correlation between academic performance and NSAT performance in their respective schools to have bases in commending teachers for giving appropriate grades or marks to students if significant correlation will be revealed. Improvement of evaluation and marking system could be planned if no significant correlation will be revealed.

3. Guidance counselors and teachers should give added attention to make students study harder since both their academic and NSAT performances were all found needing improvements.

4. The quality of instruction in Science, Mathematics and English should be given more attention since they are found to be still needing improvement.

5. Further study on the validity of other examinations over NSAT performance could be conducted. Inclusion of other demographic variables such as IQ and family income is also recommended.