

371-8

P₁₁

1974

CORRELATION BETWEEN SCHOLASTIC ACHIEVEMENT
IN ENGLISH 1 AND APPLIED ARITHMETIC OF
THE FIRST YEAR HIGH SCHOOL STUDENTS
IN THE DON SEVERINO AGRICULTURAL
COLLEGE, SCHOOL YEAR 1971-'72

SPECIAL PROBLEM

Celerina M. Nacion

Don Severino Agricultural College

Indang, Cavite

March, 1974

CORRELATION BETWEEN SCHOLASTIC ACHIEVEMENT
IN ENGLISH I AND APPLIED ARITHMETIC OF
THE FIRST YEAR HIGH SCHOOL STUDENTS
IN THE DON SEVERINO AGRICULTURAL
COLLEGE, SCHOOL YEAR 1971-72

A Special Problem

Submitted to

the Don Severino Agricultural College

Indang, Cavite



Sp. # 26

In Partial
Fulfillment of the Requirements
for the Degree of Bachelor of Science in
Agriculture



Correlation between scholastic achievement
in English I and Applied Arithmetic of the
371.8 P11 1974
SP-26

CELERINA P. PACION

March, 1974

TABLE OF CONTENTS

	Page
ACKNOWLEDGMENT	11
LIST OF TABLES	v
Chapters	
1. INTRODUCTION.	1
Importance of the Study.	2
Statement of the Problem	2
Definition of Terms Used	3
2. REVIEW OF RELATED STUDIES	6
3. METHODS OF INVESTIGATION AND SOURCES OF DATA.	10
Collection of Data	10
Copying the school marks from Forms 137-A	10
Statistical Treatment of Data.	10
Finding and interpreting the coefficient of correlation	10
Finding that t or the test of r against the null hypothesis. .	12
Finding that k or the coefficient of alienation.	12
Finding the E of the coefficient of forecasting efficiency. . . .	13
Finding the normality of the distribution.	13

4. PRESENTATION AND INTERPRETATION OF DATA.	14
Correlation Between English I and Arithmetic	14
Significance of the Kurtosis and Skewness of the Frequency Distribution of School Ratings in English I and Arithmetic	17
5. CONCLUSIONS AND RECOMMENDATIONS	18
Conclusions	18
Recommendations	18
6. SUMMARY.	20
BIBLIOGRAPHY	21
APPENDICES	
A. Formulas Used in the Statistical Treatment of Data.	22
B. Calculations of r , Kurtosis and Skewness of Achievement in English I and Arithmetic	25
C. List of First Year High School Students and their Corresponding Ratings in English I and Arithmetic	29
D. Correlation Between English I and Arithmetic	39
VITA	40

CORRELATION BETWEEN SCHOLASTIC ACHIEVEMENT

IN ENGLISH I AND APPLIED ARITHMETIC OF
THE FIRST YEAR HIGH SCHOOL STUDENTS
IN THE DON SEVERINO AGRICULTURAL
COLLEGE, SCHOOL YEAR 1971-72¹

BY

CHELINA PANCANIBAN PACION

¹ Special Problem submitted to the faculty of the Don Severino Agricultural College, Indang, Cavite in partial fulfillment of the requirements for graduation on March, 1972, with the degree of Bachelor of Science in Agriculture (BSA), major in Agricultural Education. Prepared under the supervision of Mrs. Fortunata R. Rollan.

Chapter 1

INTRODUCTION

Scientific progress depends upon finding out what things are correlated and what things are not. A coefficient of correlation tells us to what extent two things are related, to what extent variations in one go with variations with another. Without the knowledge of how one thing varies with another, it would be impossible to make predictions.