

DATA ANALYSIS OF C.S.U. FACULTY SCHOLARS  
TOWARDS ACHIEVING EXCELLENCE:  
A MODEL BUILDING APPROACH

THESIS

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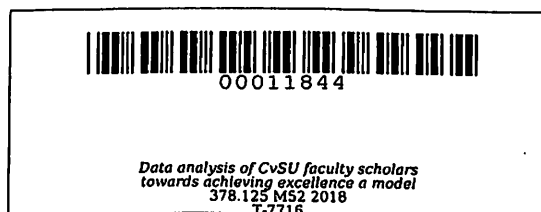
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**DATA ANALYSIS OF CvSU FACULTY SCHOLARS  
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## ABSTRACT

**BALUCAN, JONHRIELBERT C., CAÑESO, CHRISTIN T., and MENSURADO, YLA MAE O. Data Analysis of CvSU Faculty Scholars Towards Achieving Excellence: A Model Building Approach.** Undergraduate Thesis. Bachelor of Science in Applied Mathematics with specialization in Statistics. Cavite State University, Indang, Cavite. June 2018. Adviser: Prof. Analyn A. Mojica.

The study entitled “Data Analysis of CvSU Faculty Scholars Towards Achieving Excellence: A Model Building Approach” was conducted at Cavite State University (CvSU) – Main Campus from October 2017 to March 2018.

The general objective of the study was to formulate a model on the performance of Cavite State University Scholars under the Faculty and Staff Development Program. Specifically the study aims to: determine the demographic profile of CvSU faculty scholars; determine the performance of the faculty scholars in relation to their graduate studies; identify significant variables in predicting the success among faculty scholars in their graduate studies; identify competing model(s) by using Multinomial Logistic Regression; develop the best model based on the model adequacy measure; and predict the performance of CvSU Faculty Scholars based on the identified success indicators.

Among the predictor variables, only two were found to be significant for determining the performance of CvSU faculty scholars in achieving excellence. Civil status and gap between the year his current degree started to his previous degree finished was found to be a good predictor of success in the performance of the faculty scholars.

Three logit models were formulated under Civil Status and Gap namely for “satisfactory”, “outstanding” and “excellent” which are as follows:

$$\text{logit } [\hat{y}_s] = 5.704 - 2.344(x_2) - 0.088(x_9)$$

$$\text{logit } [\hat{y}_o] = 7.739 - 3.073(x_2) - 0.243(x_9)$$

$$\text{logit } [\hat{y}_e] = 10.642 - 4.143(x_2) - 0.381(x_9)$$

Having single as their civil status and the gap between the year his current degree started to his previous degree finished will not be greater than 7 years resolved 56.22% of chance that the scholar can finish the degree on time while on the other hand deemed either outstanding or satisfactory rate.

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**INTRODUCTION**

Universities and colleges live in a world of rapidly changing demands, expectations, and challenges. In this environment, faculty development should be one of the most significant priorities (Sorcenelli et.al, 2006). The importance of comprehensive training and development opportunities for faculty and staff who work with developmental students cannot be overestimated. In a changing context, efforts to support and enrich faculty work are critically important to faculty and staff members, department chairs, and institutions. In fact, one most important challenge and opportunity to department chair is fostering the growth and development of faculty and staff members. It is a challenge because although any organization's effectiveness relies on promotion of the growth of its human resources, professional development in higher education are often expected to happen naturally, without departmental or institutional support. Even