

A Study on Foreign Students' Living and Training Conditions Onboard the Training Ships

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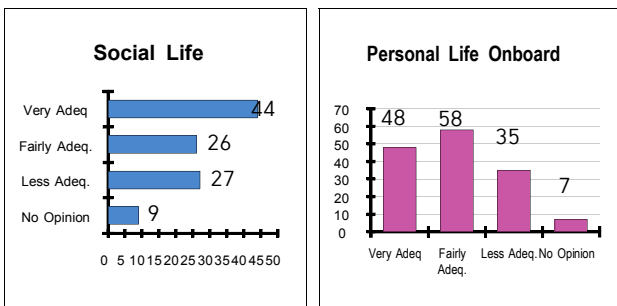
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1. Introduction

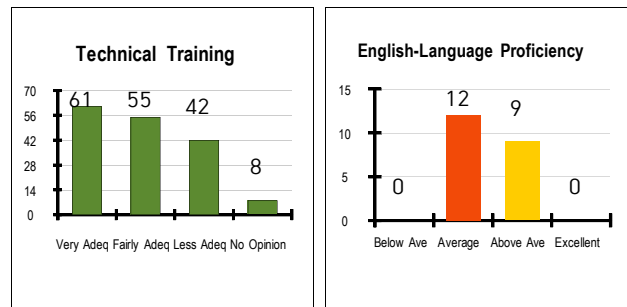
This study conducted a questionnaire survey of foreign students onboard the two university training ships. It covers only the students from SY2014-SY2016. It constructed sets of questions grouped into three (3) main topics: 'Personal Life'; 'Social Life'; and the 'Technical Training' skills and competency they acquired. The survey questionnaire covers the SY 2014/15 and 2015/16. There were four nationalities-respondents to the questionnaires: Philippines (PMMA and MAAP), China (Shanghai Maritime University), Taiwan (National Kao-hsiung Maritime University), and Vietnam (Vietnam Maritime University) with the total of twenty-one (21) respondents.

2. The Survey Results



Assigned ranks to each nominal weight

Rank	Nominal Weight
A	Very adequate / Very satisfactory
B	Fairly adequate / Fairly satisfactory
C	Less adequate / Less satisfactory
D	No Opinion / No Comment



It uses the non-parametric inferential statistics, chi-square (χ^2) goodness-of-fit test and the Pearson-product correlation coefficient to describe the strength of relationship between the variables.

A. Relationship between 2 variables:

$$r_{AB} = \frac{N\sum AB - (\sum A)(\sum B)}{\sqrt{[N\sum A^2 - (\sum A)^2][N\sum B^2 - (\sum B)^2]}}$$

B. Partial relationship between 2 variables when 1 variable is fixed:

$$r_{AB.C} = \frac{r_{AB} - r_{AC}r_{BC}}{\sqrt{(1-r_{AC}^2)(1-r_{BC}^2)}}$$

Satisfaction level / Conditions onboard

Satisfaction Level	Conditions Onboard			
	Personal Life	Social Life	Tech Train	Sum
Very Satisfied	48	44	61	153
Fairly Satisfied	58	26	55	139
Less Satisfied	35	27	42	104
Sum	141	97	158	396

In the analysis, the relationship between "Personal life" and "Social Life", is moderately related. Personal life and Training has high relationship. Social life and Training has moderately related.

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