

Thesis Title: Statistical Models for Evaluating the Quality of Graduate Students.

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Year: 2011

This survey research aims to assess the quality of graduate students; investigate factors affecting the quality; examine the level effect; and construct the factors-related model. The sample, applying simple random sampling, is 240 graduates who graduated in the past 3 years; and a questionnaire is used to collect the data. The data is analyzed, and the statistical tools are percentage, mean, standard deviation, Pearson's correlation, Cramer's V Correlation, and Binary Logistics Regression.

The research results are as follows:

1. The graduates' opinion towards their self qualification according to TQF overall is at a high level; interpersonal skills and responsibility is at the highest level, followed by ethics and morality, academic knowledge, cognitive skills, numerical analysis skill, and communicative and IT skills, respectively.

2. Factors affecting the assessment of graduate students' quality are cognitive skills, numerical analysis skill, communicative and IT skills, academic knowledge, interpersonal skills and responsibility, ethics and morality, and careers (business own / entrepreneur), respectively; meanwhile, sex, career (government services), age, work duration, GPA, and income have no effect.

3. The factor having the highest effect towards the qualifications of graduates is cognitive skills, numerical analysis skill, communicative and IT skills, academic knowledge, interpersonal skills and responsibility, and ethics and morality, respectively with positive relationship; meanwhile career (business own / entrepreneur) has the lowest effect with negative relationship.

4. Factors models influencing the assessment of graduate student are Log (odds) = -80.746; cognitive skills is + at 3.738; numerical analysis skill and

communicative and IT skills is at + 3.812; academic knowledge is at + 4.530; interpersonal skills and responsibility is at + 5.702; and ethics and morality is at + 3.785, having Akake Information Criterion at 50.717. Students who earn one more unit on qualification according to TQF on interpersonal skills and responsibility, academic knowledge, numerical analysis skill, communicative and IT skills, ethics and morality, and cognitive skills have a better chance to get higher level beyond criteria at 299.3, 92.8, 45.2, 44.0 and 42.0, respectively.

Keywords: Quality Assessment of Graduate Students / TQF (Thailand Quality Framework) / Statistical Models