MEASURING THE HAPPINESS OF THE FACULTY OF UNIVERSITY OF THE PHILIPPINES LOS BAÑOS USING A STATISTICAL INDEX

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ABSTRACT

Happiness index is a measure of the well-being of a group of persons such as the Faculty of the University of the Philippines Los Baños (UPLB). Knowing what makes the Faculty happy is crucial on the administration of UPLB. Keeping the Faculty happy may solve the brain drain problem of the university. The empirical data gathered from a random sample of faculty members are used to establish the happiness index. As a statistical index, the components of happiness is determined using categorical principal component analysis which were later subjected to correlation analysis to determine significant indicators of happiness. In the happiness index construction, the components derived from CATPCA were used as predictors of happiness in regression analysis with optimal scaling.

Keywords: happiness index, categorical principal component analysis, regression analysis with optimal scaling

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