Multivariate Regression Model for Determine Welfare’s Rate of Districts in East Java

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Abstract

Welfares are a main purpose of development in districts specially. One of welfares parameter is local revenue that be received from taxes, levies, natural resources incomes, investments funds, development funds, and fund for balance. They also influence economic growth and rate of progress in a district. According to those variables, it has need of a model to predict some economics factors which support welfares, uses multivariate regression analysis with the smallest KICC (Kullback’s Information Criterion Corrected) selection. Based on multivariate regression analysis using the smallest KICC selection is resulted a connection between income’s presentation from taxes, levies, natural resources, investments funds, development funds and fund for balance with presentation of local revenue, economic growth, and rate of welfare’s progress simultaneous where the value of connection is about 100%.

Key-words : Welfare, Multivariate Regression Analysis, KICC, Multivariate Regression Model
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