Analisis data panel ke atas fungsi pengeluaran sektor pembuatan makanan di Malaysia

ABSTRACT

The main purpose of this article is to introduce the technique of panel data analysis in econometrics modeling. The elasticity of labour, capital and economic of scale for twenty two food manufacturing firms covering from 1989 to 1993 is estimated using the Cobb-Douglas model. The three main techniques of panel data analysis discussed are least square dummy variables (LSDV), analysis of covariance (ANCOVA) and generalized least square (GLS). Ordinary Least Square (OLS) method is included as the basis of comparison.

Keyword: Econometrics; Panel data analysis; Food manufacturing