Supply –Driven I-O Model :Distribution Coefficient Approach

Topic: Methodological aspects of input-output analysis 4
Author: Dipti Prakas Pal

Long before in 1981 Pal (the present author) formulated the distribution   coefficient –based Input-Output Model an alternative to Leontief"s input coefficient –based model. The distribution coefficients are defined as inter-industry inputs per unit of total supply which consists of gross output and imports .Imports are competitive and hence exogenous, instead of being endogenous. The model is viewed as the supply –driven model which differs from the Ghosian allocation model.

In the present paper the distribution coefficient model is reviewed and its characterises are algebraically examined. Several theorems are developed which are used to make a comparative analysis of the variants of the I-O model. Structural decomposition analysis is performed on the basis of the model.